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## Windpark Oude Maas

Slagschaduwonderzoek t.b.v. combi-MER



# **Windpark Oude Maas**

## **Slagschaduwonderzoek t.b.v. combi-MER**

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# Hoofdstuk 1 Inleiding

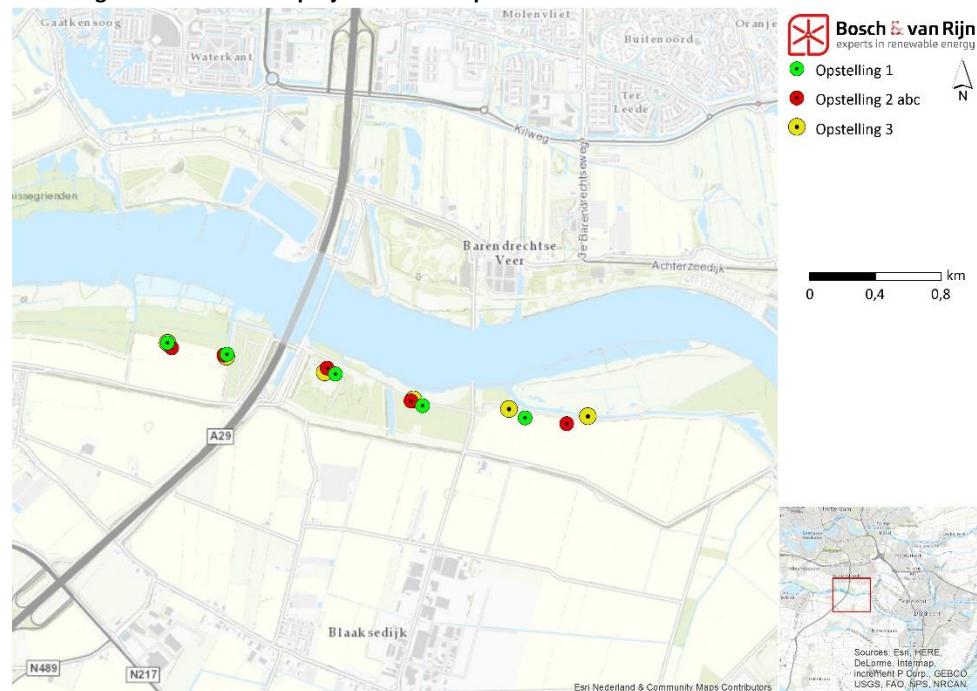
## 1.1 Inleiding

Bosch & Van Rijn heeft een slagschaduwstudie uitgevoerd naar de slagschaduw effecten bij woningen nabij nieuw te plaatsen windturbines in de gemeente Binnenmaas ten behoeve van een milieueffectrapportage (MER). Deze studie toets de slagschaduw vanwege enkele opstellingen van windturbines ter plaatse van nabijgelegen gevoelige bestemming aan de norm zoals beschreven in het Activiteitenbesluit milieubeheer.

## 1.2 Alternatieven combi-MER

In het projectMERdeel worden vijf inrichtingsalternatieven onderzocht op de slagschaduweffecten, in drie opstellingen. De inrichting van de alternatieven is weer gegeven in Figuur 1 en de gehanteerde windturbinatypes in Tabel 1.

**Figuur 1** Inrichtingsalternatieven van projectMER Windpark Oude Maas.



Voor de slagschaduwberekening zijn verschillende types windturbines gebruikt, zoals tevens aangehouden in andere onderzoeken in het kader van het MER. Voor de alternatieven 1, 2a en 3 is gebruik gemaakt van het type Nordex N117 (ashoogte 100m) terwijl voor alternatieven 2b en 2c gebruik is gemaakt van het type Senvion 3.4M140 (ashoogte: 117/130 meter). In Tabel 1 staan details van deze windturbines.

**Tabel 1 Afmetingen van de windturbines**

| Alternatief | Type            | Aantal | Rotor | Ashoogte | Vermogen | Parkvermogen |
|-------------|-----------------|--------|-------|----------|----------|--------------|
| 1           | Nordex N117     | 5      | 117   | 100      | 3.0 MW   | 15 MW        |
| 2a          | Nordex N117     | 5      | 117   | 100      | 3.0 MW   | 15 MW        |
| 2b          | Senvion 3.4M140 | 5      | 140   | 117      | 3.4 MW   | 17 MW        |
| 2c          | Senvion 3.4M140 | 5      | 140   | 130      | 3.4 MW   | 17 MW        |
| 3           | Nordex N117     | 6      | 117   | 117      | 3.0 MW   | 18 MW        |

### 1.3 Wettelijke norm

Op het in werking hebben van een windturbine is het Activiteitenbesluit milieubeheer van toepassing. Aangaande slagschaduw verwijst het Activiteitenbesluit naar de Activiteitenregeling Milieubeheer.

In artikel 3.12 van de bij het Activiteitenregeling<sup>1</sup> is voorgeschreven dat een turbine moet zijn voorzien van een automatische stilstandvoorziening die de windturbine afschakelt indien slagschaduw optreedt ter plaatse van gevoelige objecten voor zover de afstand tussen de turbine en woning minder bedraagt dan twaalf maal de rotordiameter en gemiddeld meer dan 17 dagen per jaar gedurende meer dan 20 minuten slagschaduw kan optreden.

Wij interpreteren dit door te stellen dat de jaarlijkse slagschaduwduur ter plaatse van een woning de normgrens van  $20 \times 17 = 340$  minuten (= 5 uur en 40 minuten) niet mag overschrijden. In feite is dit een conservatieve interpretatie van de norm: er zijn scenario's mogelijk waarin er meer dan 340 minuten slagschaduw optreedt zonder dat er volgens de Activiteitenregeling een stilstandsregeling vereist is.

### 1.4 Stilstandvoorziening

Om normoverschrijding te voorkomen kan een stilstandvoorziening op de windturbine worden aangebracht zoals vermeld in het Activiteitenbesluit. Deze zorgt ervoor dat bij overschrijding van de slagschaduwnorm, de windturbine wordt uitgeschakeld. De voorziening wordt per schaduwgevoelige woning vooraf ingeregeld, aangezien het gaat om specifieke momenten die van te voren bepaald kunnen worden afhankelijk van de zonnestand. Daarnaast wordt gemeten of er daadwerkelijk voldoende zon (en dus slagschaduw) is op die momenten.

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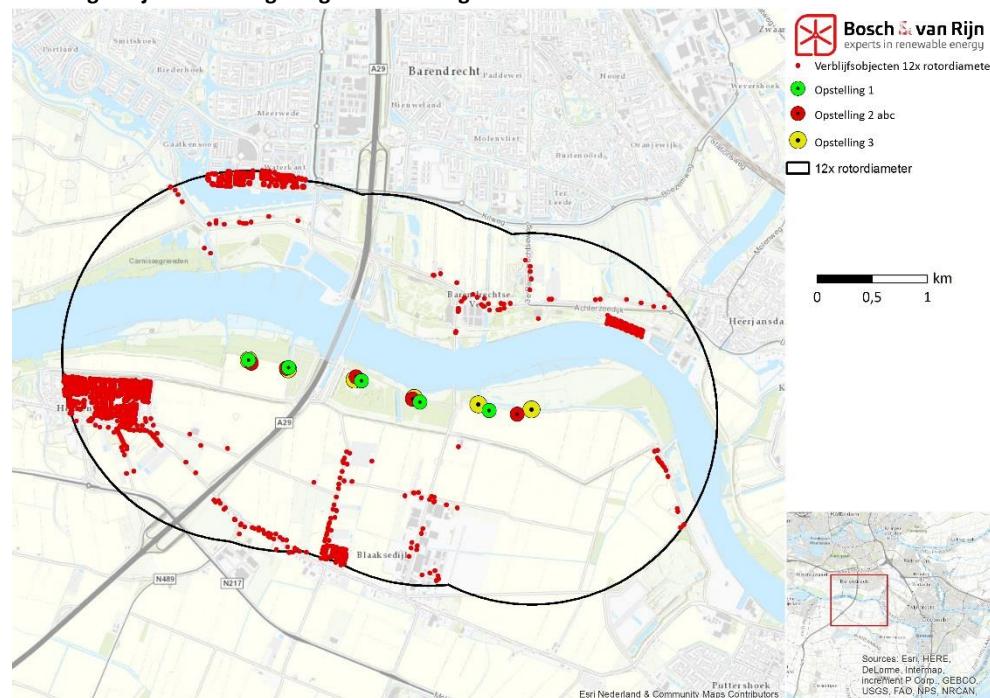
<sup>1</sup> Regeling van de Minister van Volkshuisvestiging, Ruimtelijke Ordening en Milieubeheer van 9 november 2007, nr. DJZ 2007104180 houdende algemene regels voor inrichtingen – Regeling algemene regels voor inrichtingen milieubeheer.

## 1.5 Gevoelige objecten

In de omgeving van het geplande windpark liggen enkele gevoelige objecten. De bron van de locatie van de woningen (rode stippen in onderstaande afbeelding) is de Basisadministratie Adressen en Gebouwen (BAG, november 2016).

In de berekening zijn alleen woningen binnen 12x de rotordiameter van de grootste variant (in dit geval opstelling van het voorkeursalternatief (Hoofdstuk 4)) meege- nomen. Dit is gedaan, omdat dit de afstand is waarbinnen woningen moeten wor- den beschouwd.

**Figuur 2 Gevoelige objecten in omgeving van de beoogde windlocaties.**



## 1.6 Beoordelingscriteria MER

In het milieueffectrapport waar dit onderzoek een bijlage van is wordt het milieu- effect slagschaduw beoordeeld aan de hand van één criterium:

- ❖ Aantal woningen waar zonder mitigatie niet voldaan wordt aan de norm (5:40 uur-contour).

In het slagschaduwonderzoek wordt dit beoordelingscriterium onderzocht. Tevens wordt er een grove inschatting gemaakt van de opbrengstderving. De relatieve milieueffecten vallen buiten de scope van een slagschaduwonderzoek. Deze komen in het MER aan de orde.

## 1.7 Leeswijzer

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In Hoofdstuk 2 wordt uitgelegd hoe de berekeningen zijn uitgevoerd. Hoofdstuk 3 presenteert de resultaten van deze berekeningen, samen met mitigatiemaatregelen. Hoofdstuk 4 gaat in op het voorkeursalternatief. Hoofdstuk 5 bevat de conclusies.

## Hoofdstuk 2 Berekening

## 2.1 Inleiding

---

Slagschaduw van een windturbine is de bewegende schaduw van de draaiende wieken. Als slagschaduw op het raam van een woning valt kan dat als hinderlijk worden ervaren.

De stand van de zon is een vast gegeven voor elke datum en elk tijdstip en voor elke breedtegraad. Voor elk object (bijvoorbeeld een windturbine) is het daarom mogelijk een berekening te doen om het tijdvak te bepalen wanneer er slagschaduw valt op een bepaald punt (bijvoorbeeld het raam van een huis). Om dit te kunnen doen is de volgende informatie nodig.

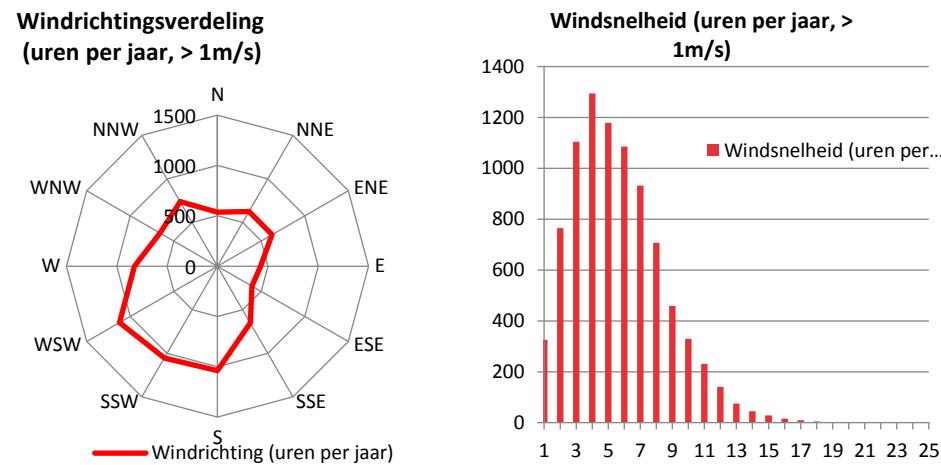
- De grootte van het object dat slagschaduw veroorzaakt; voor een windturbine is de grootte van de wieken van belang;
- De positie van de windturbine en het beschaduwde object (met name ten opzichte van elkaar);
- De ashoege van de windturbine;
- De grootte, richting en oriëntatie (hellingshoek) van het beschaduwde object; met de richting wordt bedoeld hoe het raam (lichtdoorlatende deel van de gevel) gericht is ten opzichte van de windturbine(s), oriëntatie is in het algemeen verticaal, maar ook kan gedacht worden aan een dakraam in een schuin dak onder een bepaalde hoek.

## 2.2 Windaanbod

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Voor de slagschaduwberekening is gebruik gemaakt van de meteorologische data van KNMI-station in de Geulhaven, Rotterdam, daar dit het dichtstbijzijnde is. Onderstaande grafieken geven de langjarige windsnelheids- en richtingsverdeling weer.

Figuur 3 Gegevens windrichting en –snelheid.



## 2.3 Zonaanbod

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Het zonaanbod is in de berekening gebaseerd op het zonaanbod in Rotterdam. Zie de bijlage met de windPRO-rekenresultaten voor de precieze waarden (Bijlage C). Zomer- & wintertijd hebben geen effect op de duur van de schaduw, maar wel op het moment van de dag waarop schaduw plaatsvindt. Tijdswijzigingen vinden plaats iedere laatste zondag van maart en laatste zondag van oktober. Het effect hiervan is meegenomen in de berekening.

## 2.4 Rekenmethode

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Met het softwarepakket WindPRO is voor de vijf alternatieven een contour getekend van de norm van 5:40 uur slagschaduw per jaar.

## 2.5 Aannames

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De berekening gaat uit van de realistisch gemiddelde situatie. Hierto worden een aantal aannames gedaan om de situatie te benaderen zoals die werkelijk zal optreden:

- Correctie voor de gemiddelde zonneschijnduur;  
*de zon schijnt (overdag) niet altijd vanwege de aanwezigheid van bewolking (en mist); op basis van klimatologische gegevens van het KNMI voor de gemiddelde zonneschijnduur wordt een maandelijks getal afgeleid voor de kans dat de zon daadwerkelijk schijnt. Op deze locatie is gebruik gemaakt van KNMI-gegevens van station Geulhaven, Rotterdam (afstand tot de parklocatie: ca. 15km).*
- Correctie voor de windsnelheid;  
*bij lage windsnelheden (minder dan ca. 3 m/s) draait een windturbine (nog) niet, bij zeer hoge windsnelheden (boven 25 m/s) wordt een turbine uit veiligheidsoverwegingen stilgezet. Op basis van de gemiddelde windsnelheidsverdeling (op ashoogte) wordt een correctiefactor afgeleid voor de kans dat de windturbine daadwerkelijk draait; dit hangt ook af van de technische specificaties van de windturbine. Als een windturbine niet draait is er immers ook geen sprake van slagschaduw;*
- Correctie voor de windrichting;  
*Op basis van windmetingen op de gondel wordt de windturbine zo gedraaid dat de wieken altijd in de richting staan waar de wind vandaan komt. Afhankelijk van de gemiddelde windrichtingverdeling wordt een correctiefactor afgeleid aangezien de grootte en positie van de schaduw verandert met de positie van de gondel.*

Bovenstaande correcties maken gebruik van statistische klimaatgegevens. De correctie voor de gemiddelde zonneschijnduur wordt op de maandgemiddelde uitkomsten toegepast, de overige twee correcties op de jaargemiddelde uitkomsten. Daarmee is het uiteindelijke resultaat statistisch juist, maar kan geen uitspraak gedaan worden over het optreden van schaduwinder op individuele dagen.

## 2.6 Mitigatie

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Om in geval van overtreding van de norm toch een aanvaardbaar woon- en leefklimaat te kunnen garanderen en daardoor te voldoen aan de norm kunnen de windturbines voorzien worden van een stilstandsvoorziening. Deze zorgt ervoor dat bij overlast bij gevoelige objecten ten gevolge van schaduw de windturbine wordt uitgeschakeld. De voorziening wordt per schaduwgevoelige woning op de turbine aangebracht en vooraf afgeregeld, aangezien het gaat om specifieke momenten die van te voren bepaald kunnen worden afhankelijk van de zonnestand. Daarnaast wordt gemeten of er daadwerkelijk voldoende zon (en dus slagschaduw) is op die momenten.

Elk uur dat een turbine moet worden stilgezet leidt tot opbrengstverlies. In deze analyse is de hoeveelheid schaduwinder gedeeld door het totaal aantal draaiuren in een jaar (*gebaseerd op de windsnelheidsverdeling uit Figuur 3 en de cut-in en cut-out windsnelheid van de betreffende turbine*), waaruit een verliesfactor volgt.

## Hoofdstuk 3 Resultaten

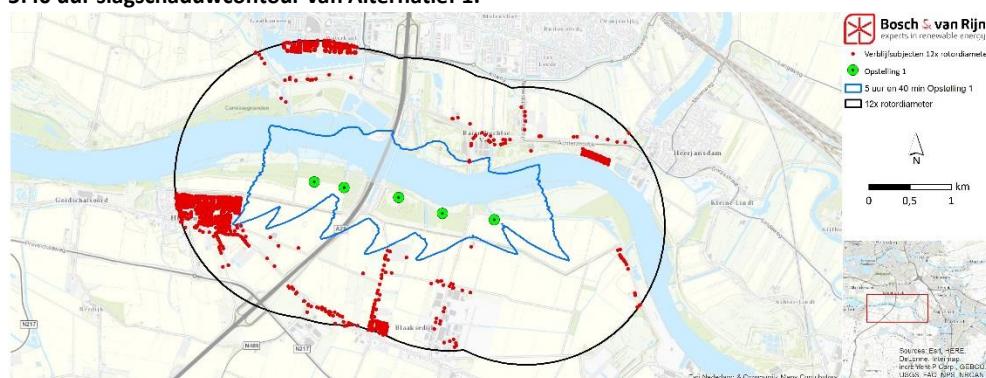
### 3.1 Slagschaduwcontour

Onderstaande afbeeldingen tonen voor de vijf alternatieven de slagschaduwcontouren van 5 uur en 40 minuten slagschaduw per jaar. Dit wil dus zeggen dat er binnen de contourlijn jaarlijks meer dan 5:40 uur slagschaduw optreedt, en er buiten minder.

In de berekening is uitgegaan van een *realistische meteorologische* situatie (in tegenstelling tot een *worst case scenario*). Na realisatie van windturbines wordt er een stilstandvoorziening op elke windturbine aangebracht zoals vermeld in het Activiteitenbesluit milieubeheer. Deze zorgt ervoor dat de windturbine wordt uitschakeld bij overschrijding van de slagschaduwnorm. De *realistische* berekening geeft een betere voorspelling van de situatie na realisatie dan de *worst case* berekening.

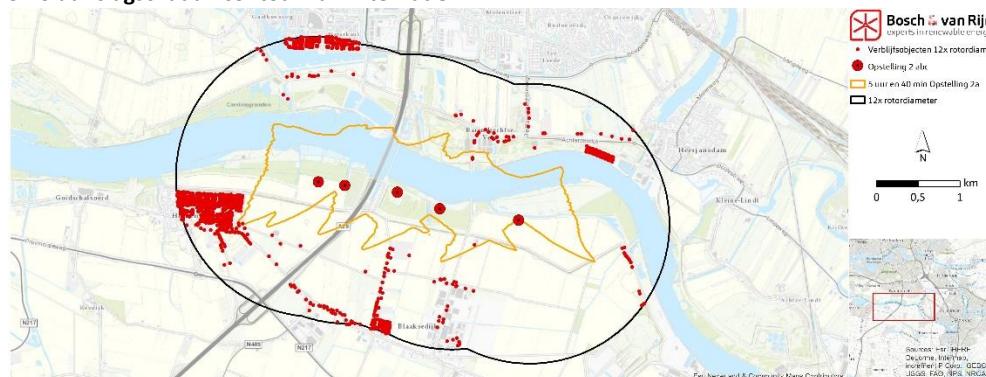
Figuur 4

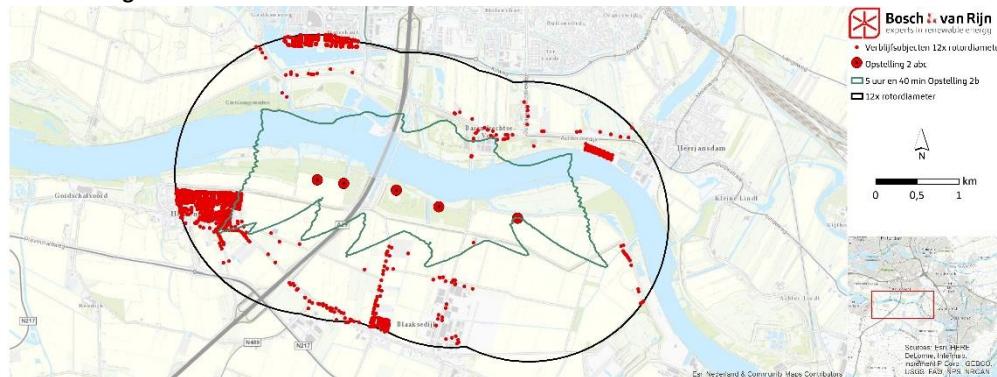
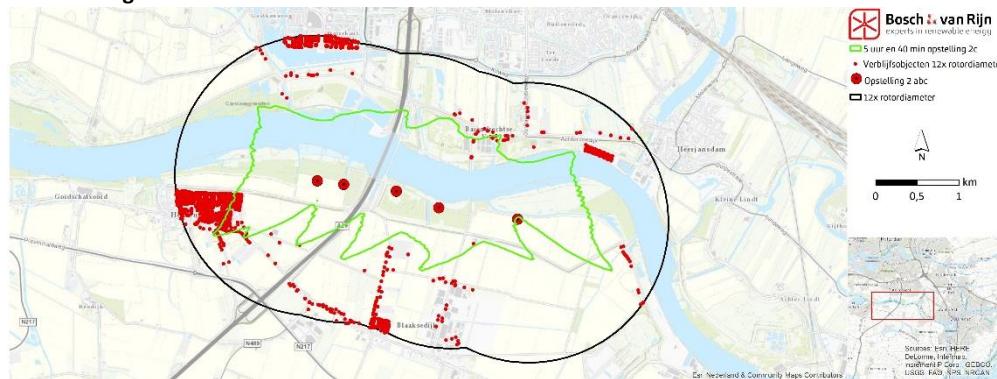
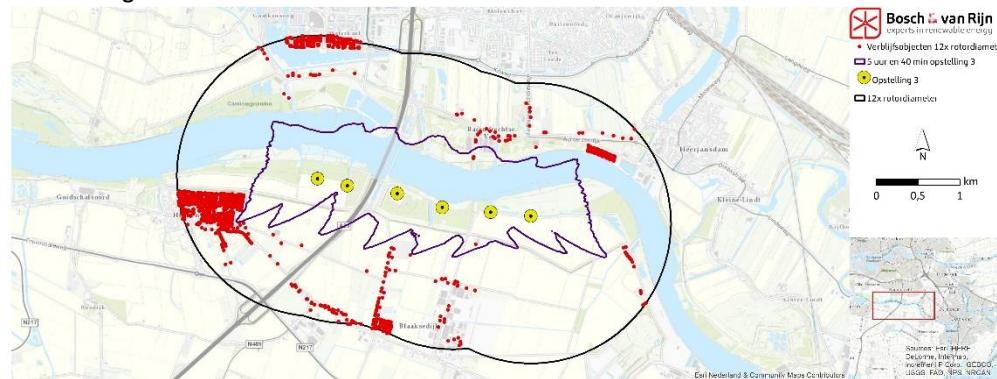
5:40 uur slagschaduwcontour van Alternatief 1.



Figuur 5

5:40 uur slagschaduwcontour van Alternatief 2A.



**Figuur 6** 5:40 uur slagschaduwcontour van Alternatief 2B.

**Figuur 7** 5:40 uur slagschaduwcontour van Alternatief 2C.

**Figuur 8** 5:40 uur slagschaduwcontour van Alternatief 3.


Bijlage B toont detailkaarten van de vijf alternatieven, inclusief woningen.

### 3.2 Woningen binnen de contour

Op de locatie van elke woning is nabij het windpark uitgegaan van een verticale schaduw ‘receptor’ van 5 meter hoog en 8 meter breed, beginnend op 50 centimeter hoogte. De receptoren zijn in alle richtingen gevoelig voor slagschaduw, en er is geen rekening gehouden met obstakels als bebouwing en begroeiing. Eventueel hoogteverschil van het maaiveld is niet in de berekening opgenomen. Deze aannames zorgen voor een conservatieve benadering.

Er bevinden zich (volgens de Basisregistratie Adressen en Gebouwen (BAG)) 201 woningen binnen tenminste één van de slagschaduwcontouren. Zie Bijlage A voor een lijst met adressen.

**Tabel 2 Aantal woningen binnen 5:40 uur slagschaduwcontour**

|  | 1 | 2a | 2b | 2c  | 3 |
|--|---|----|----|-----|---|
| Aantal woningen met meer dan 5:40 u slagschaduw per jaar | 2 | 7  | 96 | 201 | 4 |

### 3.3 Slagschaduw per woning

In Bijlage A is voor elke woning binnen de slagschaduwcontouren van de vijf alternatieven beschreven hoeveel slagschaduw er te verwachten is per jaar. Het onderzoek is uitgevoerd voor alle woningen binnen een afstand van 12x de rotordiameter. Deze resultaten zijn te vinden in de uitdraai van het rekenprogramma (Bijlage C).

### 3.4 Stilstand per windturbine

De tabel hieronder geeft weer hoe lang de turbines jaarlijks uitgeschakeld moeten worden om *alle* slagschaduw op woningen binnen 12 keer de rotordiameter van de bovenkant van de bandbreedte van het voorkeursalternatief (Hoofdstuk 4) te voorkomen.

**Tabel 3 Benodigde stilstand in uren per jaar om slagschaduw te voorkomen**

| Opstelling | Stilstand per jaar (uu:mm) |
|------------|----------------------------|
| 1          | 52:26                      |
| 2a         | 70:19                      |
| 2b         | 123:36                     |
| 2c         | 146:50                     |
| 3          | 88:59                      |

Zie ook de WindPRO-bijlage (Bijlage C) voor de slagschaduwwaarden per woning. Om aan de norm te voldoen mogen woningen 5:40 uur slagschaduw ontvangen. Om hieraan te voldoen is dus *minder* stilstand nodig. Onderstaande tabel geeft de stilstand die nodig is om aan de norm te voldoen. Deze is berekend door per woning de slagschaduw *boven de 5:40 uur* te berekenen, en deze waarden op te tellen.

**Tabel 4 Stilstand in uren per jaar om aan de norm te voldoen.**

| Opstelling | Normoverschrijding (alle woningen) | Stilstand nodig |
|------------|------------------------------------|-----------------|
| 1          | 01:15                              | 1:15            |
| 2a         | 26:37                              | 26:37           |
| 2b         | 152:22                             | 123:36          |
| 2c         | 366:22                             | 146:50          |
| 3          | 23:27                              | 23:27           |

## Hoofdstuk 4 Voorkeursalternatief

## 4.1 Beschrijving voorkeursalternatief

---

Op basis van de resultaten van het MER en ontwikkelingen in de markt (technische ontwikkelingen maken grotere, stille windturbines mogelijk met een hogere opbrengst) is een voorkeursalternatief (VKA) gedefinieerd.

Het VKA betreft vijf windturbines (Figuur 9) waarbij een bandbreedte wordt aangehouden. Voor wat betreft de *afmetingen* is deze bandbreedte als volgt opgespannen:

- Ashoogte: minimaal 117 meter, maximaal 128,5 meter.
- Rotordiameter: minimaal 117 meter, maximaal 140 meter.
- Tiphoogte: maximaal 187 meter

Voor slagschaduw geldt in basis dat het bereik waarbinnen slagschaduw optreedt toeneemt met toenemende ashooogte en rotordiameter. Om de effecten inzichtelijk te maken worden in dit rapport twee windturbinatypes onderzocht, die de onder- en bovenkant van de bandbreedte aangeven.

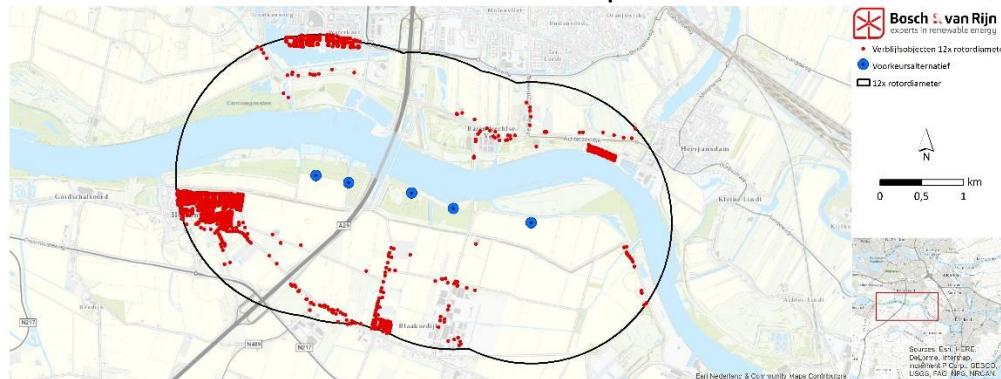
De windturbines die verder in dit hoofdstuk worden onderzocht staan gegeven in onderstaande tabel. In het verdere rapport worden deze aangeduid als ‘ondervariant’ en ‘bovenvariant’.

Tabel 5 Gegevens onder- en bovenvariant v.w.b slagschaduw (in meter).

| Variant | Type                     | Ashoogte | Rotordiameter |
|---------|--------------------------|----------|---------------|
| Onder   | Nordex N117 <sup>2</sup> | 117      | 117           |
| Boven   | Senvion 3.4M140          | 117      | 140           |

*N.B. Er is een maximale ashooogte van 128,5 meter toegestaan. Omdat echter de tiphoogte begrensd is op 187 meter, en een grotere rotordiameter meer effect heeft op de slagschaduwproductie dan de ashooogte, hebben wij de bovengenoemde afmetingen aangehouden.*

<sup>2</sup> De Nordex N117 is niet standaard leverbaar op een ashooogte van 117 meter. Deze berekening zit echter niet vast aan commercieel beschikbare types: alle windturbines met een bepaalde ashooogte en rotordiameter veroorzaken (vrijwel) dezelfde hoeveelheid slagschaduw. Door deze (fictieve) ashooogte door te rekenen zijn minimale milieueffecten in kaart gebracht.

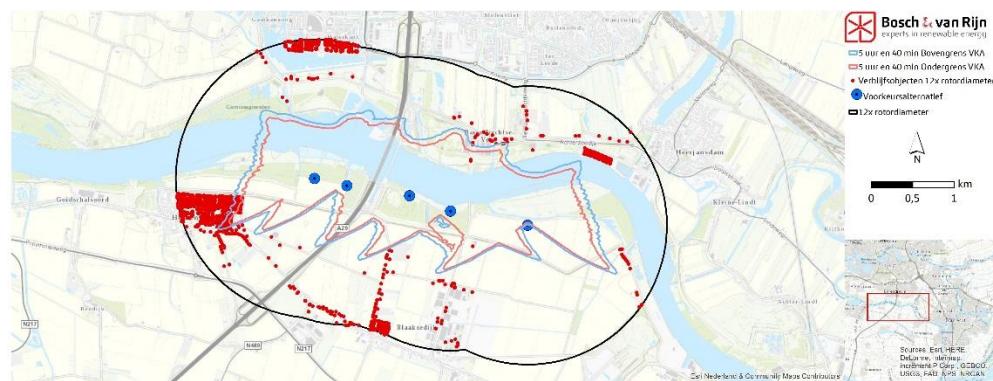
**Figuur 9 Windturbinelocaties van het voorkeursalternatief voor windpark Oude Maas**


## 4.2 Rekenmethode

Voor het VKA wordt dezelfde rekenmethode gehanteerd als voor de MER-alternatieven.

## 4.3 Slagschaduwcontour

Onderstaande afbeelding toont de 5:40 uur per jaar slagschaduw contour van zowel de onder- als bovenvariant. Hierbij wordt uitgegaan van een *realistische meteorologische* situatie. Dit wil dus zeggen dat er binnen de lijn jaarlijks meer dan 5:40 uur slagschaduw optreedt, en er buiten minder.



## 4.4 Woningen binnen de contour

Er bevinden zich 179 gevoelige objecten binnen ten minste één van de slagschaduwcontouren. Zie bijlage A voor een lijst met adressen.

**Tabel 6 Aantal woningen binnen 5:40 uur slagschaduwcontour**

|  | Ondergrens | Bovengrens |
|--|------------|------------|
| Aantal woningen met meer dan 5:40 u slagschaduw per jaar | 46         | 179        |

Op de locatie van elke woning is uitgegaan van een verticale schaduw ‘receptor’ van 5 meter hoog en 8 meter breed, beginnend op 50 centimeter hoogte. De receptoren zijn in alle richtingen gevoelig voor slagschaduw, en er is geen rekening gehouden met obstakels als bebouwing en begroeiing. Eventueel hoogteverschil van het maaiveld is niet in de berekening opgenomen.

Als uiteindelijk een te bouwen windturbinetype bekend is en de exacte locaties van de windturbines vaststaan zal voor elke woning in de nabijheid van het windpark een stilstandsregeling moeten worden ingesteld op de betreffende windturbines.

#### 4.5 Slagschaduw per woning

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In Bijlage A is voor de woningen die ten minste 5 uur en 40 minuten slagschaduw ontvangen, beschreven hoeveel slagschaduw te verwachten is per jaar als er geen mitigerende maatregelen zouden worden genomen.

Het onderzoek is uitgevoerd voor alle woningen binnen 12x de rotordiameter van de bovenvariant. De resultaten zijn te vinden in de uitdraai van het rekenprogramma (Bijlage C)

#### 4.6 Stilstand per windturbine

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De tabel hieronder geeft weer hoe lang elke turbine jaarlijks uitgeschakeld moet worden om *alle slagschaduw* op woningen binnen 12 keer de rotordiameter van de bovenvariant te voorkomen.

Tabel 7 Benodigde stilstand in uren per jaar om slagschaduw te voorkomen

| Opstelling | Stilstand per jaar (uu:mm) |
|------------|----------------------------|
| Ondergrens | 99:37                      |
| Bovengrens | 135:11                     |

Zie ook de WindPRO-bijlage (Bijlage C) voor de slagschaduwwaarden per woning. Om aan de norm te voldoen mogen woningen 5:40 uur slagschaduw ontvangen. Om hieraan te voldoen is dus minder stilstand nodig. Tabel 8 geeft de derving. Deze is berekend door per woning de slagschaduw *boven de 5:40 uur* te berekenen, en deze waarden op te tellen.

Tabel 8 Stilstand in uren per jaar om aan de norm te voldoen

| Opstelling | Normoverschrijding | Stilstand nodig |
|------------|--------------------|-----------------|
| Ondergrens | 68:11              | 68:11           |
| Bovengrens | 335:27             | 135:11          |

## Hoofdstuk 5 Conclusie

Voor de vijf MER-alternatieven hebben woningen in de omgeving van het windpark jaarlijks meer slagschaduw dan volgens de Activiteitenregeling is toegestaan. Om aan de wettelijke norm voor slagschaduw te voldoen zal een stilstandvoorziening in de turbines moeten worden aangebracht. Deze voorziening schakelt de turbine uit wanneer deze normoverschrijdende slagschaduw veroorzaakt, afhankelijk van de tijd, datum, windrichting en bewolking.

Met meteorologische gegevens is voor de vijf onderzochte alternatieven berekend hoe lang de turbines moeten worden stilgezet om de slagschaduw op woningen te reduceren tot de 5:40 uur norm. Zie Tabel 4.

Verder is er in dit onderzoek het voorkeursalternatief onderzocht. Het voorkeursalternatief betreft een opstelling van 5 windturbines met een ashoopte van 117 meter en een rotordiameter van 117/140 meter. Daarmee zijn de minimale en maximale effecten voor wat betreft slagschaduw van de beoogde windturbines berekend.

Uit de rekenresultaten blijkt dat voor beide opstellingen van het VKA mitigerende maatregelen nodig zijn. Een stilstandsregeling zal meerdere uren per jaar moeten worden ingezet om aan de norm te voldoen. Voor de ondergrens geldt dat een stilstandsregeling van 68:11 uur per jaar voldoende is om overschrijding van de norm uit de Activiteitenregeling te voorkomen. Voor de bovengrens is een stilstandsregeling van 135:11 uur per jaar nodig om overschrijding van de norm uit de Activiteitenregeling te voorkomen. Deze stilstand dient rechtstreeks op grond van het Activiteitenbesluit te worden toegepast, vergunninghouder is immers gehouden aan de algemene regels uit het Activiteitenbesluit.

Voor zowel de onderzochte alternatieven van het MER als de twee onderzochte varianten van het voorkeursalternatief geldt dat dergelijke stilstand een zeer kleine opbrengstderving tot gevolg heeft, die rendabele exploitatie niet in gevaar brengt.

## Hoofdstuk 6 Bijlagen

# Bijlage A Resultaten per woning

Hieronder staan de woningen die ten minste 5 uur en 40 minuten slagschaduw ontvangen. De adresgegevens komen uit de Basisadministratie Adressen en Gebouwen (BAG), download van juli 2016.

Uren schaduw per jaar, per opstelling.

| Woonplaats  | Adres                    | 1     | 2a    | 2b    | 2c    | 3     | VKA onder | VKA boven |
|-------------|--------------------------|-------|-------|-------|-------|-------|-----------|-----------|
| Barendrecht | Achterzeedijk 37         | 02:44 | 01:47 | 3:29  | 4:09  | 01:40 | 04:31     | 05:54     |
| Barendrecht | Achterzeedijk 39         | 03:05 | 02:13 | 4:10  | 4:54  | 02:23 | 04:45     | 06:17     |
| Barendrecht | Achterzeedijk 41         | 03:13 | 02:33 | 4:36  | 5:22  | 02:41 | 04:43     | 06:21     |
| Barendrecht | Achterzeedijk 42         | 01:16 | 02:57 | 5:26  | 6:27  | 02:56 | 02:14     | 03:53     |
| Barendrecht | Achterzeedijk 45         | 02:54 | 03:33 | 6:00  | 6:56  | 03:39 | 04:03     | 05:51     |
| Barendrecht | Achterzeedijk 47         | 01:14 | 03:06 | 5:57  | 7:00  | 03:04 | 02:22     | 04:12     |
| Barendrecht | Achterzeedijk 49         | 01:05 | 02:57 | 5:52  | 6:55  | 02:56 | 02:13     | 03:59     |
| Barendrecht | Achterzeedijk 51         | 00:36 | 02:22 | 5:19  | 6:29  | 02:19 | 01:31     | 03:19     |
| Barendrecht | Achterzeedijk 63         | 01:18 | 01:11 | 4:43  | 7:30  | 02:36 | 03:18     | 05:23     |
| Barendrecht | Achterzeedijk 65         | 01:18 | 01:13 | 5:06  | 7:50  | 02:44 | 03:24     | 05:31     |
| Barendrecht | Achterzeedijk 67         | 01:20 | 01:16 | 5:58  | 8:43  | 03:03 | 03:41     | 05:52     |
| Barendrecht | Achterzeedijk 69         | 01:21 | 01:16 | 6:25  | 9:10  | 03:15 | 03:53     | 06:05     |
| Barendrecht | Achterzeedijk 71         | 05:26 | 11:21 | 18:55 | 21:13 | 10:20 | 11:48     | 16:39     |
| Barendrecht | Achterzeedijk 73         | 06:00 | 11:47 | 19:26 | 21:43 | 10:52 | 12:03     | 17:04     |
| Barendrecht | Achterzeedijk 75         | 06:35 | 12:15 | 19:55 | 22:08 | 11:28 | 12:25     | 17:30     |
| Heinenoord  | Arie Jongekrijgstraat 12 | 01:53 | 01:36 | 4:15  | 5:26  | 01:53 | 03:16     | 05:44     |
| Heinenoord  | Arie Jongekrijgstraat 13 | 01:46 | 01:27 | 4:06  | 5:18  | 01:46 | 03:24     | 06:28     |
| Heinenoord  | Arie Jongekrijgstraat 14 | 01:53 | 01:35 | 4:19  | 5:29  | 01:53 | 03:20     | 05:51     |
| Heinenoord  | Arie Jongekrijgstraat 15 | 01:55 | 01:34 | 4:24  | 5:39  | 01:55 | 04:07     | 06:57     |
| Heinenoord  | Arie Jongekrijgstraat 16 | 01:55 | 01:37 | 4:21  | 5:30  | 01:55 | 03:23     | 05:58     |
| Heinenoord  | Arie Jongekrijgstraat 17 | 02:09 | 01:43 | 4:46  | 6:11  | 02:09 | 04:52     | 07:16     |
| Heinenoord  | Arie Jongekrijgstraat 18 | 01:54 | 01:36 | 4:23  | 5:34  | 01:54 | 03:28     | 06:13     |
| Heinenoord  | Arie Jongekrijgstraat 19 | 02:17 | 01:51 | 5:03  | 6:34  | 02:17 | 05:02     | 07:22     |
| Heinenoord  | Arie Jongekrijgstraat 20 | 01:56 | 01:36 | 4:25  | 5:37  | 01:56 | 03:33     | 06:37     |
| Heinenoord  | Arie Jongekrijgstraat 21 | 02:28 | 01:57 | 5:21  | 6:59  | 02:28 | 05:12     | 07:28     |
| Heinenoord  | Arie Jongekrijgstraat 23 | 02:39 | 02:02 | 5:41  | 7:35  | 02:39 | 05:19     | 07:28     |
| Heinenoord  | Boerengorzen 1           | 02:37 | 02:25 | 4:38  | 5:37  | 02:38 | 04:04     | 05:41     |
| Heinenoord  | Boonsweg 44              | 01:12 | 11:55 | 15:03 | 13:59 | 13:27 | 15:56     | 20:20     |
| Heinenoord  | Buitelanden 1            | 04:09 | 03:45 | 6:49  | 8:09  | 04:10 | 06:22     | 09:01     |
| Heinenoord  | Buitelanden 10           | 04:38 | 04:06 | 7:07  | 8:24  | 04:38 | 06:41     | 09:15     |
| Heinenoord  | Buitelanden 11           | 04:02 | 03:36 | 6:22  | 7:32  | 04:03 | 05:51     | 08:09     |
| Heinenoord  | Buitelanden 12           | 04:33 | 04:00 | 6:53  | 8:07  | 04:33 | 06:27     | 08:52     |
| Heinenoord  | Buitelanden 13           | 03:59 | 03:33 | 6:15  | 7:20  | 04:02 | 05:46     | 07:57     |
| Heinenoord  | Buitelanden 14           | 04:33 | 04:02 | 6:51  | 7:58  | 04:34 | 06:22     | 08:46     |
| Heinenoord  | Buitelanden 15           | 04:00 | 03:32 | 6:11  | 7:16  | 04:01 | 05:42     | 07:50     |
| Heinenoord  | Buitelanden 16           | 04:32 | 03:57 | 6:40  | 7:45  | 04:32 | 06:10     | 08:26     |
| Heinenoord  | Buitelanden 17           | 04:01 | 03:33 | 6:08  | 7:13  | 04:02 | 05:37     | 07:42     |
| Heinenoord  | Buitelanden 19           | 04:00 | 03:30 | 6:02  | 7:04  | 04:01 | 05:34     | 07:37     |
| Heinenoord  | Buitelanden 2            | 04:59 | 04:21 | 8:03  | 9:39  | 05:01 | 08:13     | 12:18     |
| Heinenoord  | Buitelanden 21           | 03:58 | 03:29 | 5:58  | 6:59  | 03:58 | 05:29     | 07:28     |
| Heinenoord  | Buitelanden 23           | 04:01 | 03:27 | 5:54  | 6:53  | 04:02 | 05:27     | 07:26     |
| Heinenoord  | Buitelanden 3            | 04:07 | 03:42 | 6:45  | 8:05  | 04:08 | 06:19     | 08:51     |
| Heinenoord  | Buitelanden 4            | 04:47 | 04:14 | 7:39  | 9:08  | 04:47 | 07:26     | 10:48     |
| Heinenoord  | Buitelanden 5            | 04:09 | 03:42 | 6:41  | 7:59  | 04:10 | 06:13     | 08:44     |
| Heinenoord  | Buitelanden 6            | 04:39 | 04:09 | 7:23  | 8:46  | 04:39 | 06:59     | 09:53     |
| Heinenoord  | Buitelanden 7            | 04:06 | 03:41 | 6:38  | 7:59  | 04:07 | 06:10     | 08:38     |
| Heinenoord  | Buitelanden 8            | 04:43 | 04:11 | 7:23  | 8:43  | 04:44 | 06:55     | 09:42     |

|            |                          |       |       |       |       |       |       |       |
|------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|
| Heinenoord | Buitenlanden 9           | 04:02 | 03:39 | 6:26  | 7:39  | 04:04 | 05:56 | 08:14 |
| Heinenoord | Engel de Raatpad 10      | 02:08 | 01:39 | 4:44  | 6:18  | 02:08 | 04:42 | 06:44 |
| Heinenoord | Engel de Raatpad 12      | 02:01 | 01:36 | 4:37  | 6:01  | 02:01 | 04:35 | 06:42 |
| Heinenoord | Engel de Raatpad 14      | 01:49 | 01:28 | 4:13  | 5:31  | 01:49 | 04:19 | 06:33 |
| Heinenoord | Engel de Raatpad 2       | 03:04 | 02:09 | 6:21  | 8:29  | 03:04 | 04:42 | 06:23 |
| Heinenoord | Engel de Raatpad 4       | 02:47 | 02:01 | 5:53  | 8:07  | 02:47 | 04:47 | 06:33 |
| Heinenoord | Engel de Raatpad 6       | 02:31 | 01:54 | 5:23  | 7:36  | 02:31 | 04:49 | 06:42 |
| Heinenoord | Engel de Raatpad 8       | 02:19 | 01:48 | 5:08  | 6:55  | 02:19 | 04:47 | 06:41 |
| Heinenoord | Jan van Vlietstraat 1    | 03:15 | 02:53 | 5:48  | 7:06  | 03:15 | 05:25 | 08:01 |
| Heinenoord | Jan van Vlietstraat 11   | 03:34 | 03:02 | 6:23  | 8:07  | 03:35 | 07:05 | 09:15 |
| Heinenoord | Jan van Vlietstraat 11A  | 03:36 | 03:01 | 6:30  | 8:13  | 03:38 | 07:07 | 09:08 |
| Heinenoord | Jan van Vlietstraat 13   | 03:41 | 03:04 | 6:33  | 8:23  | 03:42 | 07:07 | 09:05 |
| Heinenoord | Jan van Vlietstraat 13A  | 03:44 | 03:06 | 6:40  | 8:35  | 03:46 | 07:06 | 09:01 |
| Heinenoord | Jan van Vlietstraat 15   | 03:47 | 03:05 | 6:48  | 8:49  | 03:49 | 07:02 | 08:53 |
| Heinenoord | Jan van Vlietstraat 15A  | 03:51 | 03:08 | 6:52  | 9:11  | 03:52 | 06:58 | 08:45 |
| Heinenoord | Jan van Vlietstraat 17   | 03:56 | 03:07 | 7:00  | 9:32  | 03:57 | 06:54 | 08:34 |
| Heinenoord | Jan van Vlietstraat 17A  | 04:02 | 03:09 | 7:12  | 9:43  | 04:02 | 06:50 | 08:24 |
| Heinenoord | Jan van Vlietstraat 19   | 05:14 | 03:30 | 8:36  | 10:12 | 05:15 | 05:27 | 06:35 |
| Heinenoord | Jan van Vlietstraat 21   | 05:10 | 03:39 | 8:38  | 10:03 | 05:11 | 04:21 | 06:20 |
| Heinenoord | Jan van Vlietstraat 23   | 05:07 | 03:44 | 8:41  | 10:02 | 05:08 | 04:05 | 06:02 |
| Heinenoord | Jan van Vlietstraat 25   | 05:01 | 03:51 | 8:39  | 9:55  | 05:02 | 03:49 | 05:47 |
| Heinenoord | Jan van Vlietstraat 27   | 04:55 | 03:58 | 8:31  | 9:49  | 04:55 | 03:35 | 05:29 |
| Heinenoord | Jan van Vlietstraat 29   | 04:41 | 04:17 | 8:30  | 9:40  | 04:43 | 03:20 | 05:13 |
| Heinenoord | Jan van Vlietstraat 3    | 03:18 | 02:54 | 5:52  | 7:13  | 03:19 | 05:35 | 08:41 |
| Heinenoord | Jan van Vlietstraat 5    | 03:23 | 02:56 | 5:58  | 7:25  | 03:23 | 05:48 | 09:07 |
| Heinenoord | Jan van Vlietstraat 7    | 03:25 | 02:58 | 6:05  | 7:35  | 03:25 | 06:15 | 09:24 |
| Heinenoord | Jan van Vlietstraat 9    | 03:29 | 02:58 | 6:14  | 7:48  | 03:30 | 06:57 | 09:22 |
| Heinenoord | John F. Kennedystraat 34 | 02:53 | 02:36 | 4:48  | 5:47  | 02:54 | 04:14 | 05:55 |
| Heinenoord | John F. Kennedystraat 36 | 02:51 | 02:38 | 4:49  | 5:50  | 02:52 | 04:16 | 05:57 |
| Heinenoord | John F. Kennedystraat 38 | 02:50 | 02:37 | 4:49  | 5:49  | 02:52 | 04:15 | 05:56 |
| Heinenoord | John F. Kennedystraat 40 | 02:50 | 02:34 | 4:46  | 5:45  | 02:51 | 04:13 | 05:54 |
| Heinenoord | John F. Kennedystraat 85 | 03:23 | 03:02 | 5:31  | 6:34  | 03:24 | 04:58 | 06:52 |
| Heinenoord | John F. Kennedystraat 87 | 03:28 | 03:07 | 5:36  | 6:40  | 03:29 | 05:03 | 07:00 |
| Heinenoord | John F. Kennedystraat 89 | 03:32 | 03:13 | 5:45  | 6:53  | 03:34 | 05:11 | 07:13 |
| Heinenoord | John F. Kennedystraat 91 | 03:39 | 03:16 | 5:51  | 7:00  | 03:41 | 05:20 | 07:23 |
| Heinenoord | John F. Kennedystraat 93 | 03:43 | 03:20 | 5:55  | 7:05  | 03:44 | 05:25 | 07:32 |
| Heinenoord | Molenweg 1               | 05:15 | 06:39 | 10:08 | 11:12 | 05:15 | 04:05 | 05:23 |
| Heinenoord | Oosteinde 11             | 01:20 | 01:31 | 4:51  | 6:00  | 01:20 | 02:19 | 04:04 |
| Heinenoord | Oosteinde 13             | 01:16 | 01:27 | 4:30  | 5:55  | 01:17 | 02:12 | 03:33 |
| Heinenoord | Oosteinde 16             | 03:53 | 03:04 | 7:47  | 8:59  | 03:53 | 03:06 | 04:48 |
| Heinenoord | Oosteinde 18             | 03:44 | 02:57 | 7:34  | 8:44  | 03:44 | 03:00 | 04:39 |
| Heinenoord | Oosteinde 2              | 01:36 | 01:48 | 5:24  | 6:35  | 01:33 | 02:39 | 04:36 |
| Heinenoord | Oosteinde 20             | 03:21 | 02:00 | 6:35  | 8:07  | 03:21 | 03:53 | 05:26 |
| Heinenoord | Oosteinde 21             | 01:08 | 02:37 | 4:51  | 5:43  | 01:10 | 01:14 | 01:55 |
| Heinenoord | Oosteinde 22             | 02:44 | 01:51 | 5:45  | 7:49  | 02:44 | 04:06 | 05:38 |
| Heinenoord | Oosteinde 23             | 01:24 | 02:57 | 5:10  | 6:05  | 01:26 | 01:06 | 01:50 |
| Heinenoord | Oosteinde 24             | 02:28 | 01:43 | 5:21  | 7:28  | 02:28 | 04:07 | 05:37 |
| Heinenoord | Oosteinde 25             | 01:39 | 03:11 | 5:27  | 6:18  | 01:40 | 01:06 | 01:57 |
| Heinenoord | Oosteinde 26             | 02:10 | 01:37 | 4:49  | 6:53  | 02:10 | 04:15 | 05:50 |
| Heinenoord | Oosteinde 27             | 01:58 | 03:29 | 5:45  | 6:43  | 02:00 | 00:24 | 02:12 |
| Heinenoord | Oosteinde 28             | 01:57 | 01:30 | 4:31  | 6:11  | 01:57 | 04:14 | 05:55 |
| Heinenoord | Oosteinde 29             | 01:58 | 03:20 | 6:06  | 7:03  | 01:58 | 00:53 | 02:35 |
| Heinenoord | Oosteinde 31             | 02:26 | 03:41 | 6:30  | 7:29  | 02:26 | 01:28 | 03:03 |
| Heinenoord | Oosteinde 33             | 02:46 | 03:33 | 6:45  | 7:48  | 02:46 | 01:52 | 03:23 |
| Heinenoord | Oosteinde 35             | 03:28 | 02:13 | 6:45  | 8:01  | 03:28 | 03:02 | 04:30 |
| Heinenoord | Oosteinde 37             | 02:35 | 01:44 | 5:39  | 7:22  | 02:35 | 03:42 | 05:09 |
| Heinenoord | Oosteinde 4              | 03:52 | 05:51 | 8:42  | 9:46  | 03:53 | 02:45 | 03:57 |
| Heinenoord | Oosteinde 41             | 02:00 | 01:28 | 4:33  | 6:38  | 02:00 | 03:56 | 05:21 |

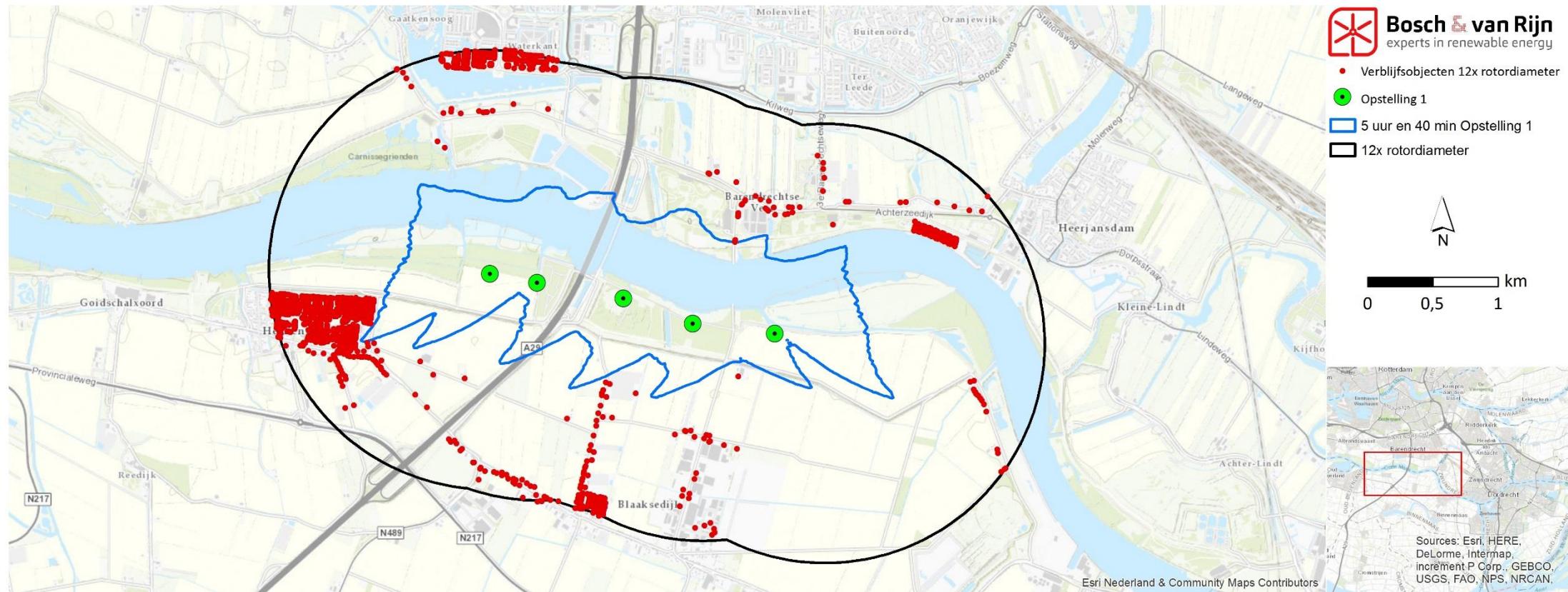
|            |                            |       |       |      |      |       |       |       |
|------------|----------------------------|-------|-------|------|------|-------|-------|-------|
| Heinenoord | Oosteinde 43               | 01:52 | 01:22 | 4:22 | 6:20 | 01:52 | 03:38 | 04:56 |
| Heinenoord | Oosteinde 45               | 01:43 | 01:18 | 4:08 | 5:58 | 01:43 | 03:40 | 04:59 |
| Heinenoord | Oosteinde 6                | 02:47 | 04:33 | 7:04 | 8:05 | 02:49 | 01:52 | 02:56 |
| Heinenoord | Oosteinde 8                | 03:26 | 04:58 | 7:37 | 8:40 | 03:26 | 01:44 | 03:38 |
| Heinenoord | Oosteinde 9                | 01:31 | 01:44 | 5:07 | 6:04 | 01:30 | 02:54 | 04:34 |
| Heinenoord | Opper Van Treurenstraat 1  | 02:26 | 02:09 | 4:32 | 5:35 | 02:27 | 03:18 | 05:40 |
| Heinenoord | Opper Van Treurenstraat 10 | 02:46 | 02:28 | 5:03 | 6:15 | 02:47 | 04:33 | 06:33 |
| Heinenoord | Opper Van Treurenstraat 11 | 02:27 | 02:12 | 4:41 | 5:49 | 02:28 | 03:32 | 06:05 |
| Heinenoord | Opper Van Treurenstraat 12 | 02:48 | 02:28 | 5:02 | 6:18 | 02:48 | 04:36 | 06:38 |
| Heinenoord | Opper Van Treurenstraat 13 | 02:29 | 02:12 | 4:43 | 5:53 | 02:30 | 03:34 | 06:13 |
| Heinenoord | Opper Van Treurenstraat 14 | 02:47 | 02:29 | 5:07 | 6:20 | 02:48 | 04:38 | 06:43 |
| Heinenoord | Opper Van Treurenstraat 15 | 02:07 | 02:10 | 4:44 | 5:53 | 02:28 | 03:37 | 06:17 |
| Heinenoord | Opper Van Treurenstraat 16 | 02:47 | 02:29 | 5:09 | 6:22 | 02:48 | 04:40 | 06:49 |
| Heinenoord | Opper Van Treurenstraat 17 | 02:14 | 02:13 | 4:56 | 6:11 | 02:14 | 04:01 | 07:26 |
| Heinenoord | Opper Van Treurenstraat 18 | 02:49 | 02:30 | 5:08 | 6:26 | 02:50 | 04:43 | 06:53 |
| Heinenoord | Opper Van Treurenstraat 19 | 02:15 | 02:14 | 4:57 | 6:14 | 02:15 | 04:08 | 07:39 |
| Heinenoord | Opper Van Treurenstraat 2  | 02:44 | 02:28 | 4:59 | 6:04 | 02:45 | 04:27 | 06:18 |
| Heinenoord | Opper Van Treurenstraat 20 | 02:50 | 02:30 | 5:09 | 6:26 | 02:52 | 04:44 | 07:02 |
| Heinenoord | Opper Van Treurenstraat 21 | 02:17 | 02:15 | 5:00 | 6:19 | 02:17 | 04:18 | 07:44 |
| Heinenoord | Opper Van Treurenstraat 22 | 02:50 | 02:30 | 5:12 | 6:30 | 02:51 | 04:49 | 07:09 |
| Heinenoord | Opper Van Treurenstraat 23 | 02:17 | 02:14 | 5:01 | 6:20 | 02:17 | 04:27 | 07:48 |
| Heinenoord | Opper Van Treurenstraat 24 | 02:51 | 02:31 | 5:14 | 6:31 | 02:52 | 04:52 | 07:19 |
| Heinenoord | Opper Van Treurenstraat 25 | 02:17 | 02:16 | 5:02 | 6:23 | 02:17 | 04:46 | 07:49 |
| Heinenoord | Opper Van Treurenstraat 26 | 02:53 | 02:31 | 5:16 | 6:37 | 02:53 | 04:55 | 07:30 |
| Heinenoord | Opper Van Treurenstraat 27 | 02:19 | 01:53 | 5:05 | 6:30 | 02:19 | 05:01 | 07:51 |
| Heinenoord | Opper Van Treurenstraat 28 | 02:53 | 02:32 | 5:19 | 6:37 | 02:54 | 04:59 | 07:51 |
| Heinenoord | Opper Van Treurenstraat 3  | 02:26 | 02:10 | 4:31 | 5:40 | 02:27 | 03:21 | 05:44 |
| Heinenoord | Opper Van Treurenstraat 30 | 02:55 | 02:32 | 5:21 | 6:40 | 02:56 | 05:06 | 08:01 |
| Heinenoord | Opper Van Treurenstraat 32 | 02:55 | 02:32 | 5:24 | 6:41 | 02:55 | 05:12 | 08:12 |
| Heinenoord | Opper Van Treurenstraat 34 | 03:00 | 02:36 | 5:35 | 7:03 | 03:01 | 05:27 | 08:33 |
| Heinenoord | Opper Van Treurenstraat 36 | 03:01 | 02:35 | 5:38 | 7:07 | 03:02 | 05:32 | 08:32 |
| Heinenoord | Opper Van Treurenstraat 38 | 03:02 | 02:37 | 5:39 | 7:12 | 03:03 | 05:35 | 08:30 |
| Heinenoord | Opper Van Treurenstraat 4  | 02:43 | 02:28 | 4:56 | 6:07 | 02:44 | 04:26 | 06:21 |
| Heinenoord | Opper Van Treurenstraat 40 | 03:04 | 02:36 | 5:44 | 7:15 | 03:06 | 05:39 | 08:32 |
| Heinenoord | Opper Van Treurenstraat 42 | 03:05 | 02:36 | 5:46 | 7:19 | 03:06 | 05:42 | 08:27 |
| Heinenoord | Opper Van Treurenstraat 44 | 03:08 | 02:38 | 5:48 | 7:28 | 03:10 | 05:43 | 08:25 |
| Heinenoord | Opper Van Treurenstraat 46 | 03:09 | 02:39 | 5:51 | 7:31 | 03:11 | 05:46 | 08:25 |
| Heinenoord | Opper Van Treurenstraat 48 | 03:13 | 02:38 | 5:57 | 7:36 | 03:14 | 05:47 | 08:20 |
| Heinenoord | Opper Van Treurenstraat 5  | 02:26 | 02:09 | 4:35 | 5:41 | 02:26 | 03:22 | 05:50 |
| Heinenoord | Opper Van Treurenstraat 50 | 03:13 | 02:40 | 5:59 | 7:44 | 03:14 | 05:46 | 08:15 |
| Heinenoord | Opper Van Treurenstraat 52 | 03:16 | 02:42 | 6:03 | 7:52 | 03:17 | 05:46 | 08:10 |
| Heinenoord | Opper Van Treurenstraat 54 | 03:18 | 02:42 | 6:05 | 7:59 | 03:19 | 05:43 | 08:06 |
| Heinenoord | Opper Van Treurenstraat 56 | 03:22 | 02:41 | 6:12 | 8:16 | 03:22 | 05:39 | 07:58 |
| Heinenoord | Opper Van Treurenstraat 58 | 03:23 | 02:50 | 6:50 | 9:09 | 03:46 | 05:14 | 07:14 |
| Heinenoord | Opper Van Treurenstraat 6  | 02:45 | 02:28 | 4:59 | 6:10 | 02:46 | 04:27 | 06:23 |
| Heinenoord | Opper Van Treurenstraat 60 | 03:39 | 02:51 | 7:18 | 9:17 | 03:39 | 05:02 | 06:57 |
| Heinenoord | Opper Van Treurenstraat 62 | 03:59 | 02:52 | 7:32 | 9:20 | 03:59 | 04:49 | 06:41 |
| Heinenoord | Opper Van Treurenstraat 64 | 04:08 | 02:56 | 7:42 | 9:19 | 04:08 | 04:34 | 06:23 |
| Heinenoord | Opper Van Treurenstraat 66 | 04:14 | 03:00 | 7:46 | 9:14 | 04:14 | 04:19 | 06:09 |
| Heinenoord | Opper Van Treurenstraat 68 | 04:16 | 03:03 | 7:53 | 9:17 | 04:16 | 04:05 | 05:51 |
| Heinenoord | Opper Van Treurenstraat 7  | 02:27 | 02:09 | 4:35 | 5:43 | 02:27 | 03:23 | 05:53 |
| Heinenoord | Opper Van Treurenstraat 8  | 02:46 | 02:28 | 5:00 | 6:14 | 02:46 | 04:31 | 06:28 |
| Heinenoord | Opper Van Treurenstraat 9  | 02:28 | 02:13 | 4:38 | 5:48 | 02:27 | 03:29 | 05:59 |
| Heinenoord | Oud-Heinenoordseweg 1      | 02:22 | 01:27 | 5:14 | 6:45 | 02:22 | 03:03 | 04:18 |
| Heinenoord | Oud-Heinenoordseweg 2      | 01:43 | 01:12 | 4:08 | 6:02 | 01:43 | 02:57 | 04:06 |
| Heinenoord | Oud-Heinenoordseweg 3      | 02:47 | 01:37 | 5:36 | 6:49 | 02:47 | 02:37 | 03:48 |
| Heinenoord | Oud-Heinenoordseweg 5      | 02:28 | 01:54 | 5:39 | 6:42 | 02:28 | 01:57 | 03:09 |
| Heinenoord | Oud-Heinenoordseweg 7      | 02:06 | 02:33 | 5:26 | 6:18 | 02:06 | 01:28 | 02:40 |

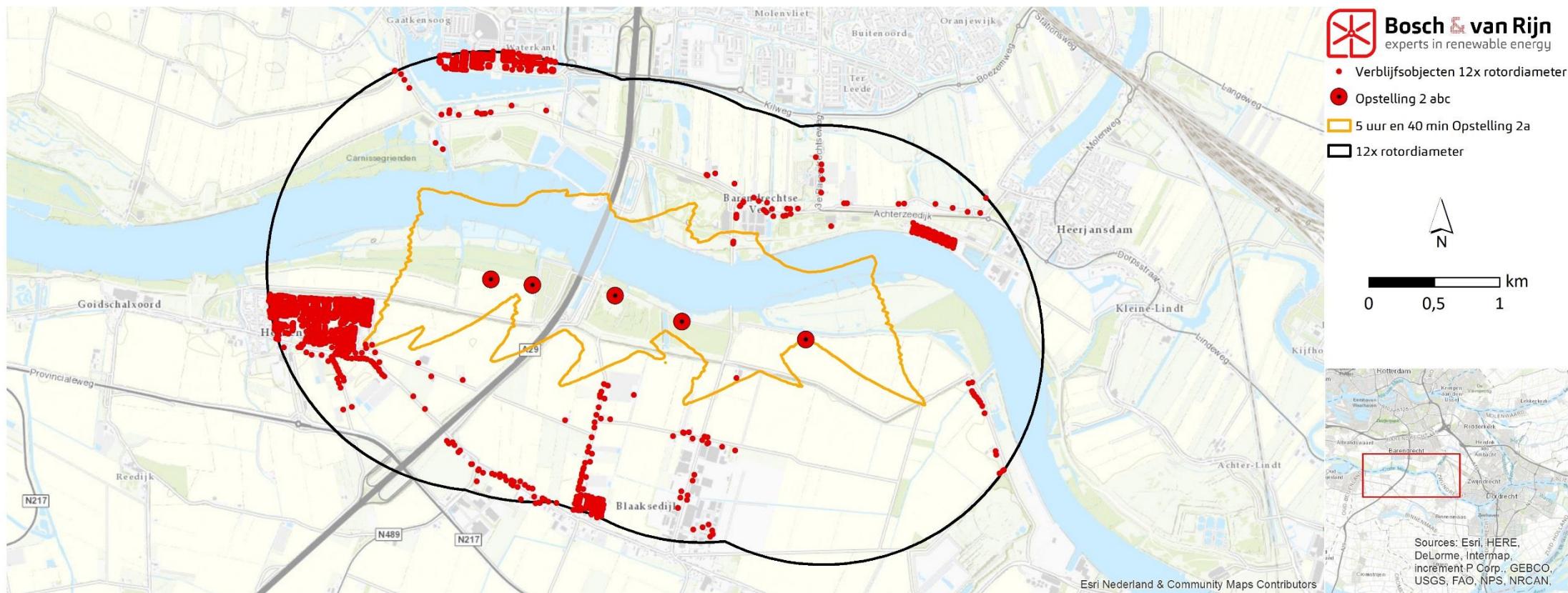
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|------------|------------------------|-------|-------|------|-------|-------|-------|-------|
| Heinenoord | Prof. Teldersstraat 10 | 03:06 | 02:47 | 5:04 | 6:02  | 03:07 | 04:31 | 06:15 |
| Heinenoord | Prof. Teldersstraat 12 | 03:06 | 02:48 | 5:02 | 6:01  | 03:07 | 04:28 | 06:11 |
| Heinenoord | Prof. Teldersstraat 14 | 03:06 | 02:46 | 5:03 | 6:01  | 03:08 | 04:30 | 06:14 |
| Heinenoord | Prof. Teldersstraat 16 | 03:06 | 02:48 | 5:02 | 6:01  | 03:07 | 04:30 | 06:10 |
| Heinenoord | Prof. Teldersstraat 18 | 03:04 | 02:47 | 5:00 | 6:00  | 03:05 | 04:27 | 06:10 |
| Heinenoord | Prof. Teldersstraat 2  | 03:08 | 02:50 | 5:09 | 6:10  | 03:09 | 04:33 | 06:22 |
| Heinenoord | Prof. Teldersstraat 20 | 03:03 | 02:45 | 4:57 | 5:57  | 03:05 | 04:25 | 06:04 |
| Heinenoord | Prof. Teldersstraat 21 | 02:59 | 02:35 | 4:37 | 5:27  | 03:00 | 04:10 | 05:41 |
| Heinenoord | Prof. Teldersstraat 23 | 02:58 | 02:36 | 4:36 | 5:28  | 02:59 | 04:09 | 05:43 |
| Heinenoord | Prof. Teldersstraat 24 | 03:20 | 03:00 | 5:19 | 6:20  | 03:21 | 04:48 | 06:35 |
| Heinenoord | Prof. Teldersstraat 25 | 02:57 | 02:37 | 4:39 | 5:31  | 02:59 | 04:09 | 05:41 |
| Heinenoord | Prof. Teldersstraat 26 | 03:23 | 03:03 | 5:24 | 6:27  | 03:23 | 04:52 | 06:42 |
| Heinenoord | Prof. Teldersstraat 27 | 02:55 | 02:37 | 4:38 | 5:31  | 02:57 | 04:08 | 05:43 |
| Heinenoord | Prof. Teldersstraat 28 | 03:30 | 03:08 | 5:32 | 6:35  | 03:31 | 05:00 | 06:53 |
| Heinenoord | Prof. Teldersstraat 29 | 02:56 | 02:38 | 4:41 | 5:35  | 02:57 | 04:12 | 05:46 |
| Heinenoord | Prof. Teldersstraat 30 | 03:35 | 03:11 | 5:36 | 6:39  | 03:36 | 05:06 | 07:01 |
| Heinenoord | Prof. Teldersstraat 31 | 03:15 | 02:55 | 5:07 | 6:03  | 03:15 | 04:36 | 06:19 |
| Heinenoord | Prof. Teldersstraat 32 | 03:38 | 03:15 | 5:43 | 6:48  | 03:39 | 05:12 | 07:11 |
| Heinenoord | Prof. Teldersstraat 33 | 03:18 | 02:55 | 5:08 | 6:05  | 03:19 | 04:36 | 06:21 |
| Heinenoord | Prof. Teldersstraat 35 | 03:18 | 02:54 | 5:04 | 6:01  | 03:18 | 04:36 | 06:15 |
| Heinenoord | Prof. Teldersstraat 37 | 03:18 | 02:53 | 5:03 | 5:59  | 03:19 | 04:34 | 06:16 |
| Heinenoord | Prof. Teldersstraat 39 | 03:16 | 02:53 | 5:00 | 5:54  | 03:16 | 04:31 | 06:10 |
| Heinenoord | Prof. Teldersstraat 4  | 03:06 | 02:49 | 5:07 | 6:07  | 03:09 | 04:34 | 06:20 |
| Heinenoord | Prof. Teldersstraat 41 | 03:35 | 03:07 | 5:22 | 6:19  | 03:37 | 04:56 | 06:42 |
| Heinenoord | Prof. Teldersstraat 43 | 03:37 | 03:09 | 5:26 | 6:23  | 03:38 | 04:56 | 06:46 |
| Heinenoord | Prof. Teldersstraat 45 | 03:36 | 03:09 | 5:27 | 6:24  | 03:37 | 04:58 | 06:49 |
| Heinenoord | Prof. Teldersstraat 47 | 03:37 | 03:10 | 5:30 | 6:27  | 03:38 | 05:02 | 06:51 |
| Heinenoord | Prof. Teldersstraat 49 | 03:38 | 03:11 | 5:32 | 6:32  | 03:39 | 05:03 | 06:53 |
| Heinenoord | Prof. Teldersstraat 51 | 03:37 | 03:13 | 5:33 | 6:34  | 03:38 | 05:02 | 06:55 |
| Heinenoord | Prof. Teldersstraat 53 | 03:37 | 03:13 | 5:36 | 6:36  | 03:38 | 05:03 | 06:58 |
| Heinenoord | Prof. Teldersstraat 6  | 03:06 | 02:50 | 5:04 | 6:04  | 03:07 | 04:31 | 06:15 |
| Heinenoord | Prof. Teldersstraat 8  | 03:05 | 02:48 | 5:06 | 6:05  | 03:07 | 04:32 | 06:18 |
| Heinenoord | Rietwaard 1            | 03:23 | 03:03 | 5:33 | 6:38  | 03:23 | 05:00 | 06:58 |
| Heinenoord | Rietwaard 10           | 03:04 | 02:46 | 5:14 | 6:22  | 03:05 | 04:38 | 06:35 |
| Heinenoord | Rietwaard 11           | 03:39 | 03:15 | 6:04 | 7:24  | 03:40 | 05:36 | 07:54 |
| Heinenoord | Rietwaard 12           | 02:54 | 02:38 | 5:03 | 6:10  | 02:54 | 04:29 | 06:21 |
| Heinenoord | Rietwaard 13           | 03:43 | 03:21 | 6:13 | 7:29  | 03:44 | 05:43 | 08:03 |
| Heinenoord | Rietwaard 14           | 02:59 | 02:44 | 5:13 | 6:21  | 03:00 | 04:39 | 06:32 |
| Heinenoord | Rietwaard 15           | 03:57 | 03:33 | 6:34 | 7:57  | 03:58 | 06:07 | 08:42 |
| Heinenoord | Rietwaard 16           | 02:55 | 02:39 | 5:05 | 6:13  | 02:56 | 04:32 | 06:22 |
| Heinenoord | Rietwaard 17           | 04:03 | 03:36 | 6:44 | 8:08  | 04:04 | 06:20 | 09:04 |
| Heinenoord | Rietwaard 18           | 03:02 | 02:45 | 5:16 | 6:24  | 03:04 | 04:40 | 06:36 |
| Heinenoord | Rietwaard 19           | 04:15 | 03:47 | 6:59 | 8:25  | 04:17 | 06:39 | 09:35 |
| Heinenoord | Rietwaard 2            | 02:57 | 02:41 | 5:02 | 6:07  | 02:58 | 04:28 | 06:14 |
| Heinenoord | Rietwaard 20           | 04:01 | 03:32 | 6:50 | 8:16  | 04:01 | 06:38 | 10:09 |
| Heinenoord | Rietwaard 22           | 04:22 | 03:50 | 7:19 | 8:54  | 04:23 | 07:32 | 11:11 |
| Heinenoord | Rietwaard 24           | 04:49 | 04:09 | 7:57 | 9:42  | 04:51 | 08:59 | 11:56 |
| Heinenoord | Rietwaard 26           | 05:30 | 04:35 | 8:52 | 10:53 | 05:31 | 09:47 | 12:29 |
| Heinenoord | Rietwaard 3            | 03:19 | 03:02 | 5:35 | 6:43  | 03:21 | 05:03 | 07:00 |
| Heinenoord | Rietwaard 4            | 02:57 | 02:42 | 5:04 | 6:07  | 02:59 | 04:30 | 06:15 |
| Heinenoord | Rietwaard 5            | 03:22 | 03:03 | 5:37 | 6:47  | 03:23 | 05:04 | 07:05 |
| Heinenoord | Rietwaard 6            | 02:58 | 02:43 | 5:07 | 6:09  | 02:59 | 04:29 | 06:20 |
| Heinenoord | Rietwaard 7            | 03:27 | 03:06 | 5:43 | 6:55  | 03:28 | 05:12 | 07:13 |
| Heinenoord | Rietwaard 8            | 03:01 | 02:45 | 5:13 | 6:21  | 03:03 | 04:40 | 06:29 |
| Heinenoord | Rietwaard 9            | 03:31 | 03:10 | 5:54 | 7:10  | 03:32 | 05:23 | 07:36 |
| Heinenoord | Zomerlandseweg 1       | 04:17 | 06:29 | 9:33 | 10:39 | 04:18 | 02:57 | 04:19 |
| Heinenoord | Zomerlandseweg 2       | 01:30 | 03:16 | 5:53 | 6:52  | 01:28 | 01:43 | 02:34 |

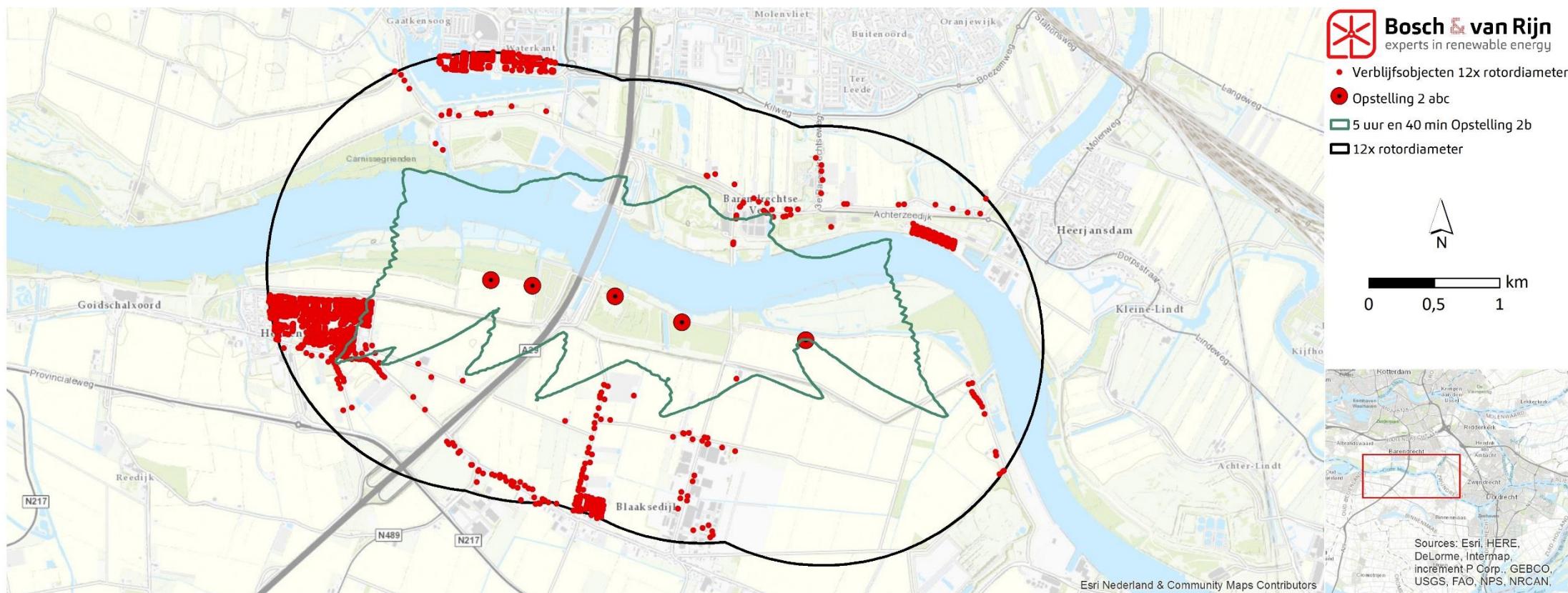
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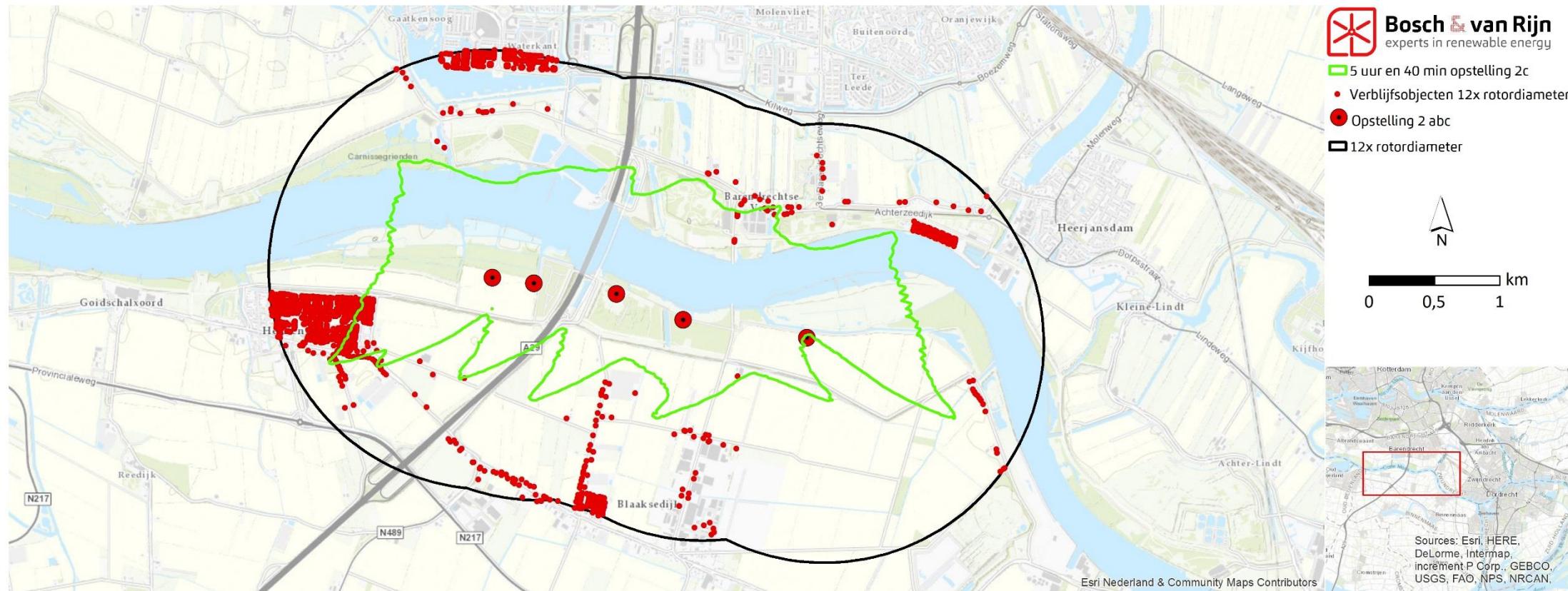
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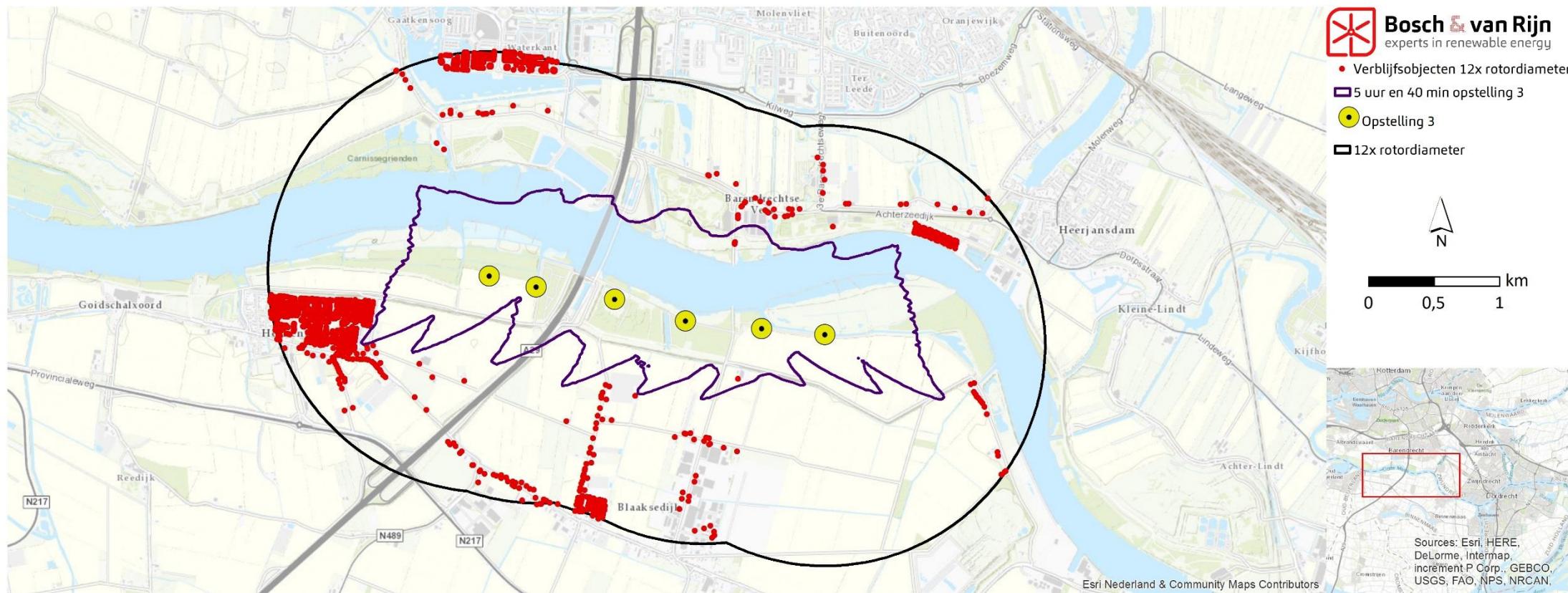


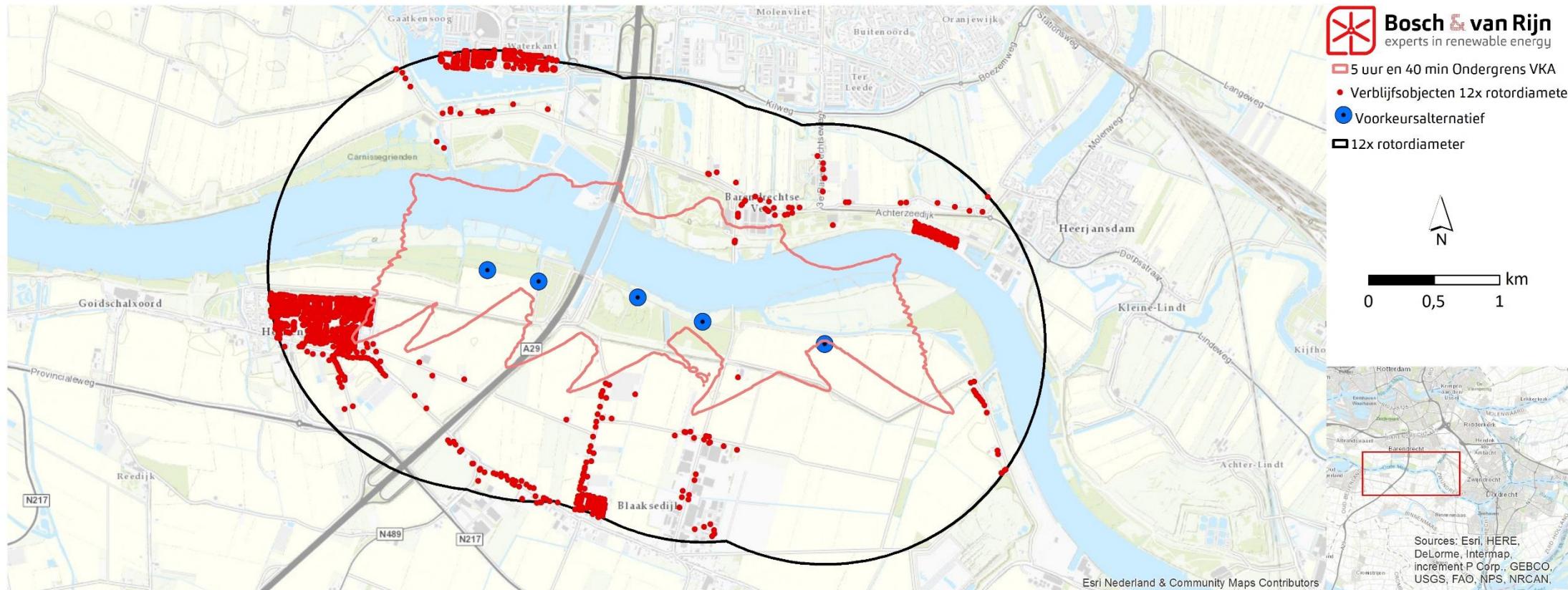


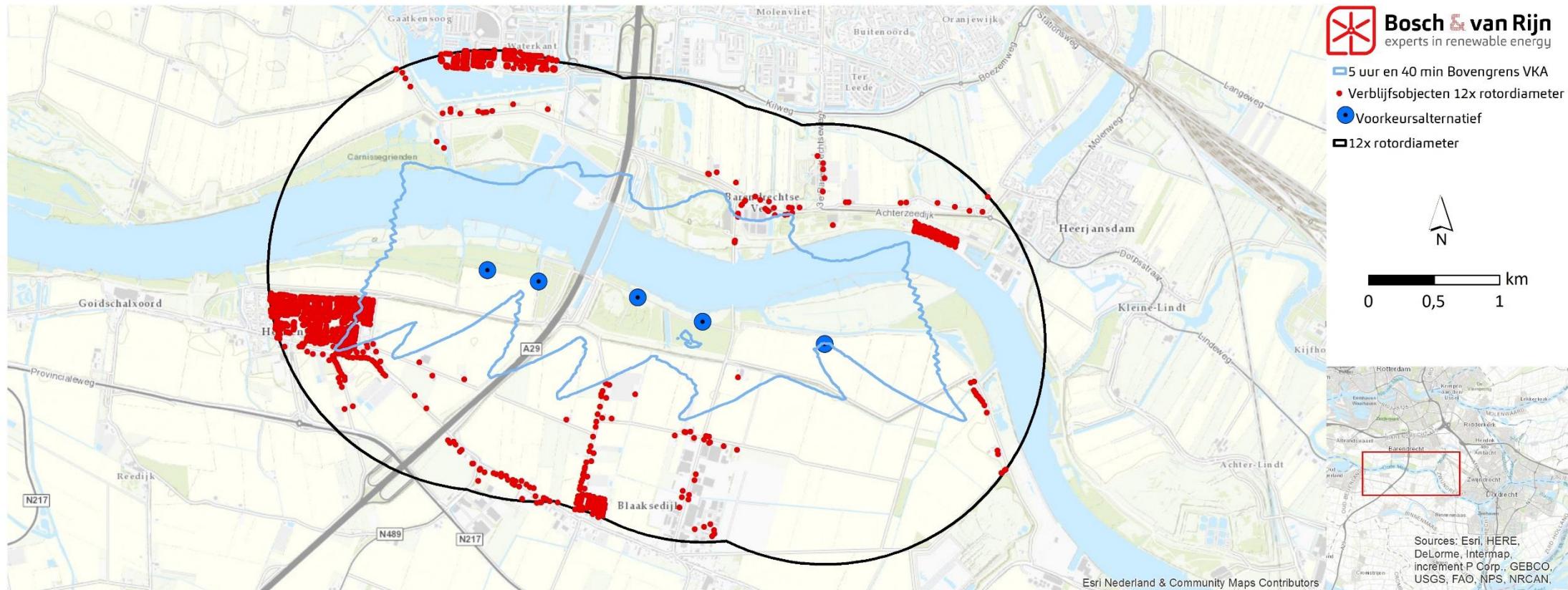












## Bijlage C Uitdraai WindPRO

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**Bosch & van Rijn**  
experts in renewable energy

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3521 AV Utrecht  
[www.boschenvanrijn.nl](http://www.boschenvanrijn.nl)

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Behoudens hetgeen met de opdrachtgever is overeengekomen, mag in dit rapport vervatte informatie niet aan derden worden bekendgemaakt. Bosch & Van Rijn BV is niet aansprakelijk voor schade door het gebruik van deze informatie.

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

### Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

5 °

Day step for calculation

1 days

Time step for calculation

1 minutes

Sunshine probability S (Average daily sunshine hours) []

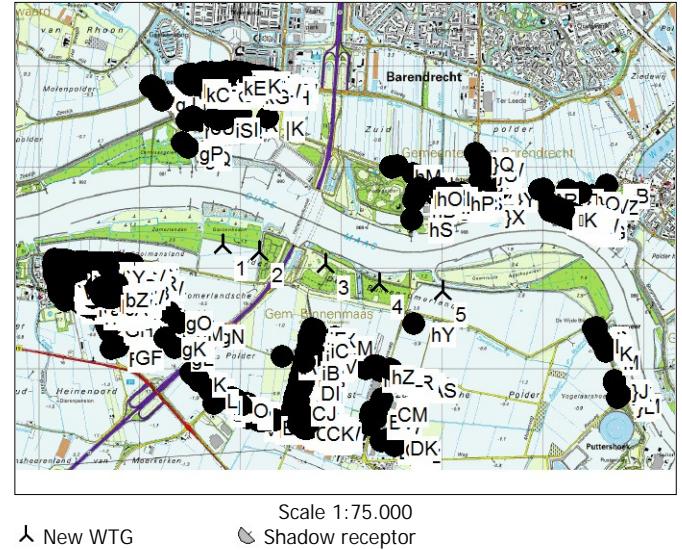
| Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 2,39 | 3,03 | 4,59 | 6,77 | 7,13 | 7,63 | 7,07 | 6,03 | 5,25 | 3,91 | 2,07 | 1,80 |

Operational time

| N   | NNE | ENE | E   | ESE | SSE | S     | SSW   | WSW   | W   | NNW | NNW | Sum   |
|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-------|
| 521 | 607 | 604 | 415 | 381 | 628 | 1.003 | 1.019 | 1.085 | 799 | 637 | 717 | 8.416 |

Idle start wind speed: Cut in wind speed from power curve

All coordinates are in  
Dutch Stereo-RD/NAP 2000



### WTGs

| X<br>(east)<br>[m] | Y<br>(north)<br>[m] | Z       | Row data/Description                       | WTG type |           |                 | Power,<br>rated<br>[kW] | Rotor<br>diameter<br>[m] | Hub<br>height<br>[m] | Shadow data                    |              |
|--------------------|---------------------|---------|--|----------|-----------|-----------------|-------------------------|--------------------------|----------------------|--------------------------------|--------------|
|                    |                     |         |  | Valid    | Manufact. | Type-generator  |                         |                          |                      | Calculation<br>distance<br>[m] | RPM<br>[RPM] |
| 1                  | 93.824              | 427.226 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489                          | 12,6         |
| 2                  | 94.186              | 427.156 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489                          | 12,6         |
| 3                  | 94.847              | 427.037 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489                          | 12,6         |
| 4                  | 95.378              | 426.843 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489                          | 12,6         |
| 5                  | 96.004              | 426.769 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489                          | 12,6         |

### Shadow receptor-Input

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
| [A  | Kalesland 11 3274CH Heinenoord                | 92.554   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [B  | Prof. Teldersstraat 39 3274MC Heinenoord      | 92.851   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [C  | Bernhardstraat 1 C 3274AB Heinenoord          | 92.194   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [D  | Wiardi Beckmanhof 17 3274CX Heinenoord        | 92.701   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [E  | Abraham Kuyperhof 15 3274CW Heinenoord        | 92.765   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [F  | Margrietstraat 4 3274AH Heinenoord            | 92.287   | 426.838   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [G  | Wiardi Beckmanhof 6 3274CX Heinenoord         | 92.663   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [H  | Rietwaard 9 3274MA Heinenoord                 | 92.843   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [I  | Kalesland 20 3274CH Heinenoord                | 92.504   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [J  | Rietwaard 11 3274MA Heinenoord                | 92.852   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [K  | Buitenlanden 14 3274MB Heinenoord             | 92.936   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [L  | Abraham Kuyperhof 11 3274CW Heinenoord        | 92.766   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [M  | John F. Kennedystraat 29 3274CG Heinenoord    | 92.484   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [N  | Marijkestraat 19 3274AJ Heinenoord            | 92.322   | 427.058   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [O  | Avenhil 41 3274CT Heinenoord                  | 92.704   | 426.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [P  | Oosteinde 35 3274KB Heinenoord                | 92.706   | 426.617   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Q  | Martin Luther Kingstraat 26 3274CK Heinenoord | 92.473   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [R  | Oranjestraat 27 3274AK Heinenoord             | 92.272   | 426.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [S  | John F. Kennedystraat 8 3274CG Heinenoord     | 92.673   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [T  | Emmastraat 14 3274AC Heinenoord               | 92.274   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [U  | Irenestraat 23 3274AD Heinenoord              | 92.246   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [V  | Spuivelden 3 3274CM Heinenoord                | 92.529   | 426.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [W  | Beatrixstraat 42 3274AA Heinenoord            | 92.208   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [X  | Buitenlanden 7 3274MB Heinenoord              | 92.888   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Y  | Koormansland 38 3274CJ Heinenoord             | 92.445   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Z  | Kalesland 16 3274CH Heinenoord                | 92.492   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \A  | Kalesland 8 3274CH Heinenoord                 | 92.480   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| \B  | Talmahof 1 3274CN Heinenoord                  | 92.433   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \C  | Koimansland 17 3274CJ Heinenoord              | 92.481   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \D  | Irenestraat 22 3274AE Heinenoord              | 92.266   | 426.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \E  | John F. Kennedystraat 65 3274CG Heinenoord    | 92.703   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \F  | Spuivelden 10 3274CM Heinenoord               | 92.582   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \G  | Thorbeckehof 5 3274CP Heinenoord              | 92.607   | 426.997   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \H  | Spuivelden 6 3274CM Heinenoord                | 92.571   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \I  | Prof. Teldersstraat 29 3274CZ Heinenoord      | 92.824   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \J  | John F. Kennedystraat 45 3274CG Heinenoord    | 92.531   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 92.724   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 92.812   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 92.729   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \N  | De Laagjes 11 3274CB Heinenoord               | 92.476   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 92.521   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 92.877   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 92.229   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 92.332   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 92.832   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 92.402   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 92.863   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 92.222   | 427.076   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \W  | Spuivelden 7 3274CM Heinenoord                | 92.530   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \X  | Avenhil 19 3274CT Heinenoord                  | 92.686   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 92.588   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 92.262   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 92.893   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 92.490   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 92.826   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 92.452   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 92.765   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 92.407   | 426.696   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 92.936   | 427.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 92.842   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 92.887   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]J  | Kalesland 44 3274CH Heinenoord                | 92.555   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 92.700   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 92.403   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 92.938   | 426.698   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 92.729   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 92.903   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]P  | Kalesland 14 3274CH Heinenoord                | 92.488   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 92.587   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 92.737   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 92.632   | 426.678   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 92.513   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 92.432   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 92.561   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]W  | Kalesland 13 3274CH Heinenoord                | 92.554   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 92.406   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 92.572   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 92.743   | 427.040   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^A  | Kalesland 24 3274CH Heinenoord                | 92.513   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 92.887   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 92.421   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 92.565   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^E  | Kalesland 54 3274CH Heinenoord                | 92.574   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 92.216   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 92.333   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 92.368   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 92.721   | 426.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 92.278   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 92.367   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 92.157   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ^M  | Kalesland 48 3274CH Heinenoord                | 92.564   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^N  | Buitenlanden 9 3274MB Heinenoord              | 92.893   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 92.668   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^P  | Kalesland 74 3274CH Heinenoord                | 92.592   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 92.810   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 92.266   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 92.458   | 426.756   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^T  | Kalesland 15 3274CH Heinenoord                | 92.555   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^U  | Buitenlanden 10 3274MB Heinenoord             | 92.928   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 92.571   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 92.532   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 92.857   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 92.334   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 92.766   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _A  | Kalesland 12 3274CH Heinenoord                | 92.480   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _B  | Hermannushof 18 3274CE Heinenoord             | 92.560   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 92.175   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 92.832   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 92.292   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _F  | Emmastraat 18 3274AC Heinenoord               | 92.284   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 92.765   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 92.669   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 92.793   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 92.166   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _K  | Avenhil 26 3274CT Heinenoord                  | 92.726   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _L  | Spuivelden 4 3274CM Heinenoord                | 92.566   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 92.332   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 92.432   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _O  | Rietwaard 12 3274MA Heinenoord                | 92.800   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 92.244   | 426.853   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Q  | Kalesland 62 3274CH Heinenoord                | 92.596   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 92.586   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _S  | Koimansland 20 3274CJ Heinenoord              | 92.390   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 92.781   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _U  | Talmahof 12 3274CN Heinenoord                 | 92.490   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 92.793   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _W  | Rietwaard 15 3274MA Heinenoord                | 92.870   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _X  | Oosteinde 43 3274KB Heinenoord                | 92.634   | 426.606   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 92.470   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 92.204   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 92.877   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 92.471   | 426.753   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 92.501   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 92.257   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 92.575   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `F  | Irenestraat 32 3274AE Heinenoord              | 92.297   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 92.396   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 92.362   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 92.832   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 92.329   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `K  | De Laagjes 32 3274CB Heinenoord               | 92.532   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 92.286   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `M  | Irenestraat 11 3274AD Heinenoord              | 92.241   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 92.193   | 426.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 92.800   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 92.168   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 92.329   | 426.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 92.698   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 92.799   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `T  | Emmastraat 36 3274AC Heinenoord               | 92.191   | 426.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 92.256   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `V  | Spuivelden 27 3274CM Heinenoord               | 92.576   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 92.199   | 426.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord | 92.365   | 426.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord  | 92.692   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord | 92.368   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A  | Weerkant 88 2993DA Barendrecht              | 94.229   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B  | Weerkant 5 2993DA Barendrecht               | 94.255   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C  | Weerkant 72 2993DA Barendrecht              | 94.321   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D  | Zalmwater 111 2993DX Barendrecht            | 94.221   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E  | Weerkant 37 2993DA Barendrecht              | 94.178   | 428.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F  | Weerkant 166 2993DA Barendrecht             | 94.229   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G  | Weerkant 128 2993DA Barendrecht             | 94.222   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H  | Weerkant 56 2993DA Barendrecht              | 94.319   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {I  | Weerkant 23 2993DA Barendrecht              | 94.216   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {J  | Weerkant 25 2993DA Barendrecht              | 94.210   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {K  | Weerkant 21 2993DA Barendrecht              | 94.221   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {L  | Weerkant 66 2993DA Barendrecht              | 94.313   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {M  | Weerkant 120 2993DA Barendrecht             | 94.229   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {N  | Zalmwater 121 2993DX Barendrecht            | 94.188   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {O  | Weerkant 22 2993DA Barendrecht              | 94.321   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {P  | Weerkant 162 2993DA Barendrecht             | 94.223   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Q  | Zalmwater 123 2993DX Barendrecht            | 94.182   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {R  | Weerkant 54 2993DA Barendrecht              | 94.311   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {S  | Weerkant 44 2993DA Barendrecht              | 94.316   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {T  | Weerkant 108 2993DA Barendrecht             | 94.225   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {U  | Weerkant 8 2993DA Barendrecht               | 94.322   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {V  | Weerkant 150 2993DA Barendrecht             | 94.227   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {W  | Zalmwater 131 2993DX Barendrecht            | 94.156   | 428.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {X  | Weerkant 35 2993DA Barendrecht              | 94.183   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Y  | Weerkant 28 2993DA Barendrecht              | 94.314   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Z  | Weerkant 98 2993DA Barendrecht              | 94.230   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A} | Weerkant 124 2993DA Barendrecht             | 94.225   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B} | Weerkant 52 2993DA Barendrecht              | 94.320   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C} | Kuikant 169 2993DV Barendrecht              | 94.338   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D} | Weerkant 36 2993DA Barendrecht              | 94.312   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E} | Weerkant 2 2993DA Barendrecht               | 94.320   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F} | Weerkant 27 2993DA Barendrecht              | 94.205   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G} | Weerkant 29 2993DA Barendrecht              | 94.199   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H} | Weerkant 90 2993DA Barendrecht              | 94.227   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {I} | Weerkant 160 2993DA Barendrecht             | 94.221   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {J} | Zalmwater 117 2993DX Barendrecht            | 94.201   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {K} | Koedood 2 2993AL Barendrecht                | 94.270   | 428.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {L} | Weerkant 11 2993DA Barendrecht              | 94.254   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {M} | Weerkant 15 2993DA Barendrecht              | 94.237   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {N} | Weerkant 16 2993DA Barendrecht              | 94.321   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {O} | Weerkant 40 2993DA Barendrecht              | 94.316   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {P} | Weerkant 74 2993DA Barendrecht              | 94.322   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Q} | Weerkant 78 2993DA Barendrecht              | 94.314   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {R} | Weerkant 102 2993DA Barendrecht             | 94.227   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {S} | Harderwater 51 2993DW Barendrecht           | 94.274   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {T} | Zalmwater 119 2993DX Barendrecht            | 94.195   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {U} | Zalmwater 129 2993DX Barendrecht            | 94.163   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {V} | Weerkant 156 2993DA Barendrecht             | 94.221   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {W} | Spieringwater 3 2993DM Barendrecht          | 94.158   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {X} | Weerkant 7 2993DA Barendrecht               | 94.255   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Y} | Weerkant 13 2993DA Barendrecht              | 94.254   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Z} | Weerkant 3 2993DA Barendrecht               | 94.256   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A} | Weerkant 9 2993DA Barendrecht               | 94.255   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B} | Weerkant 110 2993DA Barendrecht             | 94.227   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C} | Weerkant 142 2993DA Barendrecht             | 94.233   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D} | Weerkant 154 2993DA Barendrecht             | 94.223   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E} | Weerkant 164 2993DA Barendrecht             | 94.225   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F} | Weerkant 152 2993DA Barendrecht             | 94.225   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G} | Zalmwater 113 2993DX Barendrecht            | 94.213   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H} | Weerkant 50 2993DA Barendrecht              | 94.322   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| J   | I Weerkant 58 2993DA Barendrecht             | 94.317   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | J Kuipersveer 9 3274KH Heinenoord            | 97.706   | 425.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | K Kuipersveer 7 3274KH Heinenoord            | 97.711   | 425.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | L Kuipersveer 3 3274KH Heinenoord            | 97.762   | 425.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | M Kuipersveer 5 3274KH Heinenoord            | 97.770   | 425.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | N Kuipersveer 1 A 3274KH Heinenoord          | 97.737   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | O Ziedewijdsekade 14 2991VS Barendrecht      | 97.379   | 427.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | P 3e Barendrechtseweg 555 2991SH Barendrecht | 96.384   | 427.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Q 3e Barendrechtseweg 454 2992SN Barendrecht | 96.331   | 428.132   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | R Ziedewijdsekade 36 2991SE Barendrecht      | 96.966   | 427.774   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | S 3e Barendrechtseweg 545 2991SH Barendrecht | 96.375   | 428.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | T Ziedewijdsekade 18 2991VS Barendrecht      | 97.248   | 427.775   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | U Ziedewijdsekade 72 2991SE Barendrecht      | 96.547   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | V Ziedewijdsekade 1 2991VS Barendrecht       | 97.493   | 427.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | W 3e Barendrechtseweg 541 2991SH Barendrecht | 96.375   | 428.077   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | X Achterzeedijk 11 2991SB Barendrecht        | 96.449   | 427.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Y Ziedewijdsekade 70 2991SE Barendrecht      | 96.571   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Z Ziedewijdsekade 10 2991VS Barendrecht      | 97.590   | 427.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | A 3e Barendrechtseweg 559 2991SH Barendrecht | 96.372   | 427.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | B Ziedewijdsekade 12 2991VS Barendrecht      | 97.633   | 427.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | C Ziedewijdsekade 34 2991SE Barendrecht      | 97.009   | 427.777   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | D Achterzeedijk 1 2991SB Barendrecht         | 97.077   | 427.630   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | E Achterzeedijk 1 a 1 2991SB Barendrecht     | 97.394   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | F Achterzeedijk 1 a 2 2991SB Barendrecht     | 97.392   | 427.477   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | G Achterzeedijk 1 a 3 2991SB Barendrecht     | 97.386   | 427.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | H Achterzeedijk 1 a 4 2991SB Barendrecht     | 97.382   | 427.439   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | I Achterzeedijk 1 a 6 2991SB Barendrecht     | 97.368   | 427.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | J Achterzeedijk 1 a 7 2991SB Barendrecht     | 97.356   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | K Achterzeedijk 1 a 8 2991SB Barendrecht     | 97.347   | 427.453   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | L Achterzeedijk 1 a 9 2991SB Barendrecht     | 97.345   | 427.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | M Achterzeedijk 1 a 10 2991SB Barendrecht    | 97.346   | 427.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | N Achterzeedijk 1 a 11 2991SB Barendrecht    | 97.338   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | O Achterzeedijk 1 a 12 2991SB Barendrecht    | 97.333   | 427.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | P Achterzeedijk 1 a 14 2991SB Barendrecht    | 97.319   | 427.508   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Q Achterzeedijk 1 a 16 2991SB Barendrecht    | 97.301   | 427.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | R Achterzeedijk 1 a 17 2991SB Barendrecht    | 97.297   | 427.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | S Achterzeedijk 1 a 18 2991SB Barendrecht    | 97.294   | 427.518   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | T Achterzeedijk 1 a 19 2991SB Barendrecht    | 97.294   | 427.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | U Achterzeedijk 1 a 20 2991SB Barendrecht    | 97.285   | 427.484   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | V Achterzeedijk 1 a 21 2991SB Barendrecht    | 97.284   | 427.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | W Achterzeedijk 1 a 22 2991SB Barendrecht    | 97.273   | 427.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | X Achterzeedijk 1 a 23 2991SB Barendrecht    | 97.261   | 427.513   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Y Achterzeedijk 1 a 24 2991SB Barendrecht    | 97.252   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Z Achterzeedijk 1 a 26 2991SB Barendrecht    | 97.250   | 427.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?A  | Achterzeedijk 1 a 53 2991SB Barendrecht      | 97.085   | 427.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?B  | Achterzeedijk 1 a 54 2991SB Barendrecht      | 97.079   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?C  | Achterzeedijk 1 a 55 2991SB Barendrecht      | 97.075   | 427.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?D  | Achterzeedijk 1 a 56 2991SB Barendrecht      | 97.069   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?E  | Achterzeedijk 1 a 13 2991SB Barendrecht      | 97.329   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?F  | Achterzeedijk 1 a 15 2991SB Barendrecht      | 97.311   | 427.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?G  | Achterzeedijk 1 a 25 2991SB Barendrecht      | 97.249   | 427.554   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?H  | Achterzeedijk 1 a 5 2991SB Barendrecht       | 97.378   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?I  | Kuipersveer 15 3274KH Heinenoord             | 97.606   | 426.230   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?J  | Kuipersveer 31 3274KH Heinenoord             | 97.501   | 426.403   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?K  | Kuipersveer 15 A 3274KH Heinenoord           | 97.591   | 426.257   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?L  | Kuipersveer 23 3274KH Heinenoord             | 97.535   | 426.329   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?M  | Kuipersveer 13 3274KH Heinenoord             | 97.623   | 426.174   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?N  | Kuipersveer 15 D 3274KH Heinenoord           | 97.562   | 426.295   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?O  | Kuipersveer 19 3274KH Heinenoord             | 97.545   | 426.312   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?P  | Kuipersveer 25 3274KH Heinenoord             | 97.526   | 426.343   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?Q  | Kuipersveer 21 3274KH Heinenoord             | 97.539   | 426.323   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?R  | Kuipersveer 35 3274KH Heinenoord             | 97.529   | 426.410   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?S  | Kuipersveer 15 C 3274KH Heinenoord           | 97.576   | 426.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ?TKuipersveer 17               | 3274KH Heinenoord  | 97.549   | 426.307   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| A Blaaksedijk West 28          | 3274LE Heinenoord  | 94.023   | 425.651   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •A Achterzeedijk 1 a 27        | 2991SB Barendrecht | 97.243   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AA Blaaksedijk West 26         | 3274LE Heinenoord  | 94.070   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aA Martin Luther Kingstraat 44 | 3274CL Heinenoord  | 92.526   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AB Doormanstraat 15            | 3274LK Heinenoord  | 94.658   | 425.375   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ab Rietwaard 22                | 3274MA Heinenoord  | 92.878   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aC Kalesland 68                | 3274CH Heinenoord  | 92.605   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AC Mollekade 11                | 3274LN Heinenoord  | 94.528   | 425.645   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aD Hermannushof 12             | 3274CE Heinenoord  | 92.541   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AD Boonsweg 55                 | 3274LH Heinenoord  | 95.277   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AE Doormanstraat 19            | 3274LK Heinenoord  | 94.664   | 425.387   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aE De Laagjes 24               | 3274CB Heinenoord  | 92.509   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AF Doormanstraat 35            | 3274LK Heinenoord  | 94.682   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| af Wouter van den Walestr 42   | 3274CS Heinenoord  | 92.361   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aG Avenhil 29                  | 3274CT Heinenoord  | 92.733   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AG Doormanstraat 12            | 3274LK Heinenoord  | 94.692   | 425.406   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aH Beatrixstraat 50            | 3274AA Heinenoord  | 92.212   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AH Mollekade 24 A              | 3274LP Heinenoord  | 94.553   | 425.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AI Doormanstraat 21            | 3274LK Heinenoord  | 94.667   | 425.394   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| al Martin Luther Kingstraat 38 | 3274CL Heinenoord  | 92.507   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aj Koomansland 34              | 3274CJ Heinenoord  | 92.445   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AJ de Ruyterstraat 6 B         | 3274LJ Heinenoord  | 94.524   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ak Martin Luther Kingstraat 20 | 3274CK Heinenoord  | 92.439   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AK Trompstraat 20              | 3274LT Heinenoord  | 94.635   | 425.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aL Spuibedden 1                | 3274CM Heinenoord  | 92.531   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AL van Galenstraat 11          | 3274LV Heinenoord  | 94.534   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aM Oranjestraat 22             | 3274AK Heinenoord  | 92.188   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AM Gorzenweg 2                 | 3274LL Heinenoord  | 95.503   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AN Mollekade 17                | 3274LN Heinenoord  | 94.552   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aN Koomansland 15              | 3274CJ Heinenoord  | 92.474   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aO De Laagjes 34               | 3274CB Heinenoord  | 92.538   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AO Mollekade 21                | 3274LN Heinenoord  | 94.566   | 425.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AP de Ruyterstraat 10          | 3274LJ Heinenoord  | 94.658   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aP Boerengorzen 12             | 3274CV Heinenoord  | 92.754   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aQ Hermannushof 22             | 3274CE Heinenoord  | 92.582   | 426.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AQ Mollekade 3 A               | 3274LN Heinenoord  | 94.488   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aR Prof. Teldersstraat 17      | 3274CZ Heinenoord  | 92.799   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AR Doormanstraat 31            | 3274LK Heinenoord  | 94.676   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AS Gorzenweg 1 A               | 3274LL Heinenoord  | 95.716   | 425.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aS Avenhil 31                  | 3274CT Heinenoord  | 92.738   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AT de Ruyterstraat 4 A         | 3274LJ Heinenoord  | 94.527   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aT Martin Luther Kingstraat 4  | 3274CK Heinenoord  | 92.386   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aU Emmastraat 5                | 3274AC Heinenoord  | 92.231   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AU de Ruyterstraat 6 A         | 3274LJ Heinenoord  | 94.524   | 425.505   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aV Prof. Teldersstraat 33      | 3274MC Heinenoord  | 92.854   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AV Mollekade 13 A              | 3274LN Heinenoord  | 94.541   | 425.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aW Abraham Kuyperhof 6         | 3274CW Heinenoord  | 92.721   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AW Blaaksedijk West 15         | 3274LD Heinenoord  | 94.221   | 425.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aX Prof. Teldersstraat 9       | 3274CZ Heinenoord  | 92.801   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AX Doormanstraat 25            | 3274LK Heinenoord  | 94.672   | 425.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AY Blaaksedijk West 16 A       | 3274LE Heinenoord  | 94.260   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aY Andries Woutershof 6        | 3274CA Heinenoord  | 92.466   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AZ Gorzenweg 1                 | 3274LL Heinenoord  | 95.615   | 425.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aZ Beatrixstraat 25            | 3274AA Heinenoord  | 92.188   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| B Blaaksedijk West 49          | 3274LD Heinenoord  | 93.567   | 425.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •B Achterzeedijk 1 a 28        | 2991SB Barendrecht | 97.237   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bA Koomansland 9               | 3274CJ Heinenoord  | 92.450   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BA Nijverheidsweg 32           | 3274KJ Heinenoord  | 95.394   | 425.284   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BB Blaaksedijk West 19         | 3274LD Heinenoord  | 94.188   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bB Avenhil 22                  | 3274CT Heinenoord  | 92.711   | 426.950   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BC Mollekade 15                | 3274LN Heinenoord  | 94.545   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bC John F. Kennedystraat 87    | 3274CG Heinenoord  | 92.855   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name                                       | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord | 92.798   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BD  | Trompstraat 10 3274LT Heinenoord           | 94.621   | 425.414   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BE  | Mollekade 27 3274LN Heinenoord             | 94.617   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bE  | Irenestraat 17 3274AD Heinenoord           | 92.244   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BF  | Blaaksedijk West 21 3274LD Heinenoord      | 94.177   | 425.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bF  | Spuivelden 23 3274CM Heinenoord            | 92.578   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bg  | Kalesland 36 3274CH Heinenoord             | 92.534   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BG  | Piet Heinstraat 1 3274LR Heinenoord        | 94.628   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bH  | Kooimansland 4 3274CJ Heinenoord           | 92.414   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BH  | Mollekade 1 3274LN Heinenoord              | 94.478   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BI  | de Ruyterstraat 15 3274LJ Heinenoord       | 94.667   | 425.521   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bl  | Jan de Rooystraat 1 3274NA Heinenoord      | 92.628   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bJ  | Jan de Rooystraat 3 3274NA Heinenoord      | 92.627   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BJ  | Blaaksedijk West 14 3274LE Heinenoord      | 94.286   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bK  | Jan de Rooystraat 5 3274NA Heinenoord      | 92.626   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BK  | Mollekade 8 3274LP Heinenoord              | 94.518   | 425.481   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BL  | de Ruyterstraat 2 B 3274LJ Heinenoord      | 94.529   | 425.523   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bL  | Jan de Rooystraat 7 3274NA Heinenoord      | 92.623   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BM  | van Galenstraat 4 3274LV Heinenoord        | 94.587   | 425.507   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bM  | Jan de Rooystraat 9 3274NA Heinenoord      | 92.621   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BN  | Mollekade 23 A 3274LN Heinenoord           | 94.587   | 425.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bN  | Jan de Rooystraat 11 3274NA Heinenoord     | 92.620   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BO  | Blaaksedijk West 20 3274LE Heinenoord      | 94.165   | 425.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bO  | Jan de Rooystraat 13 3274NA Heinenoord     | 92.619   | 426.726   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bP  | Jan de Rooystraat 2 3274NA Heinenoord      | 92.663   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BP  | Doormanstraat 45 3274LK Heinenoord         | 94.686   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BQ  | de Ruyterstraat 4 B 3274LJ Heinenoord      | 94.526   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bQ  | Jan de Rooystraat 4 3274NA Heinenoord      | 92.662   | 426.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BR  | Nijverheidsweg 7 3274KJ Heinenoord         | 95.525   | 425.232   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bR  | Jan de Rooystraat 6 3274NA Heinenoord      | 92.660   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bS  | Jan de Rooystraat 8 3274NA Heinenoord      | 92.656   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BS  | Gorzenweg 9 3274LL Heinenoord              | 95.389   | 425.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bT  | Jan de Rooystraat 10 3274NA Heinenoord     | 92.655   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BT  | Mollekade 9 3274LN Heinenoord              | 94.520   | 425.612   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BU  | de Ruyterstraat 14 3274LJ Heinenoord       | 94.670   | 425.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bU  | Jan de Rooystraat 12 3274NA Heinenoord     | 92.654   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BV  | Boonsweg 69 3274LH Heinenoord              | 95.303   | 425.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bV  | Jan de Rooystraat 14 3274NA Heinenoord     | 92.652   | 426.730   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BW  | Boonsweg 65 3274LH Heinenoord              | 95.295   | 425.528   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bW  | Jan de Rooystraat 16 3274NA Heinenoord     | 92.651   | 426.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BX  | Trompstraat 14 3274LT Heinenoord           | 94.623   | 425.426   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bX  | Arie Jongekrijgstraat 1 3274NB Heinenoord  | 92.695   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BY  | Blaaksedijk West 18 3274LE Heinenoord      | 94.241   | 425.524   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bY  | Arie Jongekrijgstraat 3 3274NB Heinenoord  | 92.689   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BZ  | van Galenstraat 7 3274LV Heinenoord        | 94.596   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bZ  | Arie Jongekrijgstraat 5 3274NB Heinenoord  | 92.691   | 426.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| C   | Blaaksedijk West 34 3274LE Heinenoord      | 93.916   | 425.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht    | 97.235   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord | 92.677   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord       | 94.685   | 425.516   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord | 92.692   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CB  | Trompstraat 16 3274LT Heinenoord           | 94.633   | 425.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord | 92.709   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CC  | Blaaksedijk West 12 3274LE Heinenoord      | 94.347   | 425.489   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CD  | Boonsweg 14 3274LH Heinenoord              | 95.402   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord | 92.718   | 426.702   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CE  | Mollekade 10 3274LP Heinenoord             | 94.519   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord | 92.729   | 426.701   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CF  | Gorzenweg 5 3274LL Heinenoord              | 95.503   | 425.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord | 92.739   | 426.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord  | 92.715   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CG  | van Galenstraat 14 3274LV Heinenoord       | 94.576   | 425.452   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CH  | Trompstraat 22 3274LT Heinenoord           | 94.639   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 92.715   | 426.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 92.713   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 94.588   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 92.712   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CJ  | Mollekade 13 3274LN Heinenoord               | 94.534   | 425.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 92.718   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CK  | Doormanstraat 37 3274LK Heinenoord           | 94.683   | 425.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 92.710   | 426.761   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 94.577   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cM  | Arie Jongekrijgstraat 14 3274NB Heinenoord   | 92.709   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CM  | Boonsweg 12 3274LH Heinenoord                | 95.390   | 425.659   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CN  | Piet Heinstraat 2 3274LR Heinenoord          | 94.637   | 425.412   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cN  | Arie Jongekrijgstraat 16 3274NB Heinenoord   | 92.708   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cO  | Arie Jongekrijgstraat 18 3274NB Heinenoord   | 92.707   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CO  | Doormanstraat 33 3274LK Heinenoord           | 94.669   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CP  | Piet Heinstraat 3 3274LR Heinenoord          | 94.635   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cP  | Arie Jongekrijgstraat 20 3274NB Heinenoord   | 92.707   | 426.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cQ  | Opper Van Treurenstraat 2 3274ND Heinenoord  | 92.777   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CQ  | van Galenstraat 16 3274LV Heinenoord         | 94.572   | 425.446   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CR  | Gorzenweg 7 3274LL Heinenoord                | 95.464   | 425.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cR  | Opper Van Treurenstraat 4 3274ND Heinenoord  | 92.777   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CS  | Doormanstraat 27 3274LK Heinenoord           | 94.669   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cS  | Opper Van Treurenstraat 6 3274ND Heinenoord  | 92.776   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CT  | de Ruyterstraat 19 3274LJ Heinenoord         | 94.705   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cT  | Opper Van Treurenstraat 8 3274ND Heinenoord  | 92.776   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cU  | Opper Van Treurenstraat 10 3274ND Heinenoord | 92.775   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CU  | Trompstraat 12 3274LT Heinenoord             | 94.622   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CV  | Nijverheidsweg 47 3274KJ Heinenoord          | 95.465   | 425.302   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cV  | Opper Van Treurenstraat 12 3274ND Heinenoord | 92.775   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Doormanstraat 39 3274LK Heinenoord           | 94.684   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Opper Van Treurenstraat 14 3274ND Heinenoord | 92.775   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cX  | Opper Van Treurenstraat 16 3274ND Heinenoord | 92.774   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CX  | Boonsweg 6 3274LH Heinenoord                 | 95.351   | 425.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CY  | Piet Heinstraat 9 3274LR Heinenoord          | 94.658   | 425.445   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cY  | Opper Van Treurenstraat 18 3274ND Heinenoord | 92.774   | 426.808   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cZ  | Opper Van Treurenstraat 20 3274ND Heinenoord | 92.773   | 426.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CZ  | Nijverheidsweg 8 3274KJ Heinenoord           | 95.544   | 425.248   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| D   | Blaaksedijk West 41 3274LD Heinenoord        | 93.876   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •D  | Achterzeedijk 1 a 30 2991SB Barendrecht      | 97.225   | 427.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| da  | Opper Van Treurenstraat 22 3274ND Heinenoord | 92.773   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DA  | Boonsweg 4 3274LH Heinenoord                 | 95.346   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dB  | Opper Van Treurenstraat 24 3274ND Heinenoord | 92.773   | 426.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DB  | de Ruyterstraat 2 A 3274LJ Heinenoord        | 94.529   | 425.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dc  | Opper Van Treurenstraat 26 3274ND Heinenoord | 92.772   | 426.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DC  | van Galenstraat 1 3274LV Heinenoord          | 94.608   | 425.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DD  | Mollekade 7 3274LN Heinenoord                | 94.502   | 425.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dD  | Opper Van Treurenstraat 28 3274ND Heinenoord | 92.772   | 426.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DE  | Mollekade 4 3274LP Heinenoord                | 94.516   | 425.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dE  | Opper Van Treurenstraat 30 3274ND Heinenoord | 92.771   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DF  | Mollekade 2 3274LP Heinenoord                | 94.515   | 425.463   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dF  | Opper Van Treurenstraat 32 3274ND Heinenoord | 92.771   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dG  | Opper Van Treurenstraat 34 3274ND Heinenoord | 92.769   | 426.759   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DG  | van Galenstraat 28 3274LV Heinenoord         | 94.509   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DH  | Mollekade 6 3274LP Heinenoord                | 94.517   | 425.475   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dH  | Opper Van Treurenstraat 36 3274ND Heinenoord | 92.768   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dI  | Opper Van Treurenstraat 38 3274ND Heinenoord | 92.768   | 426.751   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DI  | Mollekade 26 C 3274LP Heinenoord             | 94.621   | 425.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DJ  | Mollekade 26 A 3274LP Heinenoord             | 94.605   | 425.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dJ  | Opper Van Treurenstraat 40 3274ND Heinenoord | 92.767   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DK  | Nijverheidsweg 36 3274KJ Heinenoord          | 95.512   | 425.322   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dK  | Opper Van Treurenstraat 42 3274ND Heinenoord | 92.767   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DL  | Doormanstraat 18 3274LK Heinenoord           | 94.705   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dL  | Opper Van Treurenstraat 44 3274ND Heinenoord | 92.766   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| dM  | Opper Van Treurenstraat 46 3274ND Heinenoord | 92.766   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DM  | de Ruyterstraat 9 3274LJ Heinenoord          | 94.591   | 425.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DN  | van Galenstraat 20 3274LV Heinenoord         | 94.530   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dN  | Opper Van Treurenstraat 48 3274ND Heinenoord | 92.765   | 426.731   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DO  | Mollekade 5 3274LN Heinenoord                | 94.497   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dO  | Opper Van Treurenstraat 50 3274ND Heinenoord | 92.765   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DP  | Mollekade 25 3274LN Heinenoord               | 94.598   | 425.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dP  | Opper Van Treurenstraat 52 3274ND Heinenoord | 92.765   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DQ  | Blaaksedijk West 17 3274LD Heinenoord        | 94.212   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 92.764   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 94.621   | 425.532   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 92.764   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 92.763   | 426.695   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 94.686   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 92.762   | 426.689   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DT  | Mollekade 19 3274LN Heinenoord               | 94.556   | 425.758   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 92.761   | 426.683   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DU  | Trompstraat 6 3274LT Heinenoord              | 94.618   | 425.404   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 92.761   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DV  | Trompstraat 24 3274LT Heinenoord             | 94.639   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 95.510   | 425.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 92.760   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 94.705   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 92.759   | 426.665   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 94.515   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 92.747   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 92.746   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 94.598   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 94.134   | 425.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 97.213   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 92.746   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 94.579   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 92.744   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 94.506   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 94.648   | 425.423   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 92.745   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 94.537   | 425.449   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 92.744   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 92.743   | 426.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 94.568   | 425.545   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 92.741   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EF  | Mollekade 26 3274LP Heinenoord               | 94.573   | 425.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 92.740   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 94.666   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 92.740   | 426.754   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 94.584   | 425.493   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 92.739   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 94.708   | 425.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 94.651   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 92.737   | 426.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 95.540   | 425.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 92.737   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 92.736   | 426.733   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 94.664   | 425.399   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 92.731   | 426.669   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 94.687   | 425.479   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EN  | Trompstraat 8 3274LT Heinenoord              | 94.619   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 92.723   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EO  | Trompstraat 4 3274LT Heinenoord              | 94.614   | 425.398   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 92.712   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 94.640   | 425.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 92.703   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 92.692   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.  | Name              | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|-------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |                   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| EQ van Galenstraat 13                      | 3274LV Heinenoord | 94.515   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eR Engel de Raatpad 12                     | 3274NC Heinenoord | 92.685   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ER Mollekade 12                            | 3274LP Heinenoord | 94.520   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eS Engel de Raatpad 14                     | 3274NC Heinenoord | 92.671   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ES van Galenstraat 22                      | 3274LV Heinenoord | 94.525   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ET Doormanstraat 29                        | 3274LK Heinenoord | 94.670   | 425.418   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eT Jan van Vlietstraat 1                   | 3274NE Heinenoord | 92.809   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eU Jan van Vlietstraat 3                   | 3274NE Heinenoord | 92.808   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EU Doormanstraat 17                        | 3274LK Heinenoord | 94.661   | 425.382   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eV Jan van Vlietstraat 5                   | 3274NE Heinenoord | 92.807   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EV Doormanstraat 10                        | 3274LK Heinenoord | 94.691   | 425.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eW Jan van Vlietstraat 7                   | 3274NE Heinenoord | 92.806   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EW Doormanstraat 14                        | 3274LK Heinenoord | 94.696   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EX Trompstraat 18                          | 3274LT Heinenoord | 94.634   | 425.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eX Jan van Vlietstraat 9                   | 3274NE Heinenoord | 92.805   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EY van Galenstraat 8                       | 3274LV Heinenoord | 94.582   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eY Jan van Vlietstraat 19                  | 3274NE Heinenoord | 92.795   | 426.692   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eZ Jan van Vlietstraat 21                  | 3274NE Heinenoord | 92.794   | 426.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EZ de Ruyterstraat 5                       | 3274LJ Heinenoord | 94.534   | 425.551   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| F Blaaksedijk West 55                      | 3274LD Heinenoord | 93.509   | 425.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •F Achterzeedijk 1 a 32 2991SB Barendrecht |                   | 97.204   | 427.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FA Trompstraat 26                          | 3274LT Heinenoord | 94.641   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fA Jan van Vlietstraat 23                  | 3274NE Heinenoord | 92.794   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FB van Galenstraat 24                      | 3274LV Heinenoord | 94.520   | 425.454   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fb Jan van Vlietstraat 25                  | 3274NE Heinenoord | 92.793   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FC van Galenstraat 3                       | 3274LV Heinenoord | 94.606   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fC Jan van Vlietstraat 27                  | 3274NE Heinenoord | 92.792   | 426.668   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fd Jan van Vlietstraat 29                  | 3274NE Heinenoord | 92.792   | 426.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FD Piet Heinstraat 6                       | 3274LR Heinenoord | 94.652   | 425.422   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE Wouter van den Walestr 11               | 3274CR Heinenoord | 92.402   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE De Ruyterstraat 13                      | 3274LJ Heinenoord | 94.644   | 425.519   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FF Mollekade 7 A                           | 3274LN Heinenoord | 94.515   | 425.591   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ff Wouter van den Walestr 13               | 3274CR Heinenoord | 92.402   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fG Wouter van den Walestr 15               | 3274CR Heinenoord | 92.403   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FG Blaaksedijk West 16                     | 3274LE Heinenoord | 94.251   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fh Wouter van den Walestr 17               | 3274CR Heinenoord | 92.403   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FH Oosteinde 5                             | 3274KB Heinenoord | 92.991   | 426.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fI Wouter van den Walestr 19               | 3274CR Heinenoord | 92.404   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FI Oosteinde 11                            | 3274KB Heinenoord | 92.959   | 426.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FJ Oosteinde 1                             | 3274KB Heinenoord | 93.032   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fj Wouter van den Walestr 21               | 3274CR Heinenoord | 92.404   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FK Oosteinde 3                             | 3274KB Heinenoord | 92.995   | 426.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fK Wouter van den Walestr 23               | 3274CR Heinenoord | 92.405   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FL Oud-Heinenoordseweg 9                   | 3274KD Heinenoord | 92.665   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fl Wouter van den Walestr 25               | 3274CR Heinenoord | 92.405   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fM Wouter van den Walestr 27               | 3274CR Heinenoord | 92.406   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FM Oud-Heinenoordseweg 3                   | 3274KD Heinenoord | 92.641   | 426.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FN Oosteinde 13                            | 3274KB Heinenoord | 92.956   | 426.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fn Wouter van den Walestr 29               | 3274CR Heinenoord | 92.406   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fO Wouter van den Walestr 31               | 3274CR Heinenoord | 92.407   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FO Oosteinde 7                             | 3274KB Heinenoord | 92.988   | 426.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fp Wouter van den Walestr 33               | 3274CR Heinenoord | 92.407   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FP Oosteinde 27                            | 3274KB Heinenoord | 92.815   | 426.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fQ Wouter van den Walestr 35               | 3274CR Heinenoord | 92.408   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FQ Oud-Heinenoordseweg 8                   | 3274KD Heinenoord | 92.698   | 426.370   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FR Oosteinde 25                            | 3274KB Heinenoord | 92.837   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fR Wouter van den Walestr 37               | 3274CR Heinenoord | 92.408   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FS Oud-Heinenoordseweg 10                  | 3274KD Heinenoord | 92.718   | 426.203   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fS Wouter van den Walestr 39               | 3274CR Heinenoord | 92.409   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Wouter van den Walestr 41               | 3274CR Heinenoord | 92.409   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Oud-Heinenoordseweg 7                   | 3274KD Heinenoord | 92.658   | 426.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fU Wouter van den Walestr 43               | 3274CR Heinenoord | 92.410   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FU Oud-Heinenoordseweg 1                   | 3274KD Heinenoord | 92.637   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord  | 92.410   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FV  | Oosteinde 19 3274KB Heinenoord               | 92.899   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fw  | Wouter van den Walestr 47 3274CR Heinenoord  | 92.411   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord      | 92.650   | 426.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fx  | Dorpsstraat 8 3274BD Heinenoord              | 92.409   | 426.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord     | 92.718   | 426.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord     | 92.679   | 426.498   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Jan van Vlietstraat 11 3274NE Heinenoord     | 92.800   | 426.765   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FZ  | Oosteinde 17 3274KB Heinenoord               | 92.930   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 92.799   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 93.599   | 425.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 97.202   | 427.574   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 92.684   | 426.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 92.799   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 92.798   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GB  | Oosteinde 21 3274KB Heinenoord               | 92.878   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GC  | Oosteinde 9 3274KB Heinenoord                | 92.969   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 92.798   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 92.673   | 426.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gd  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 92.797   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GE  | Oosteinde 31 3274KB Heinenoord               | 92.753   | 426.596   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 92.797   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 92.797   | 426.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 92.782   | 426.222   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GG  | Oosteinde 15 3274KB Heinenoord               | 92.945   | 426.559   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 92.681   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 92.679   | 426.741   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 92.683   | 426.492   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 92.679   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 92.698   | 426.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 92.994   | 426.566   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 92.677   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 93.254   | 426.304   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 93.014   | 426.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 92.672   | 426.438   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 93.343   | 426.207   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GM  | Oosteinde 29 3274KB Heinenoord               | 92.782   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gm  | Zomerlandseweg 4 3274LX Heinenoord           | 93.390   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 92.603   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 93.633   | 426.428   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 93.291   | 426.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 92.695   | 426.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gP  | Koedood 17 a 2993AL Barendrecht              | 93.423   | 428.241   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 92.721   | 426.424   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gQ  | Koedood 17 2993AL Barendrecht                | 93.478   | 428.194   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GQ  | Oosteinde 23 3274KB Heinenoord               | 92.852   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 92.331   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 95.724   | 427.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 92.583   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 96.194   | 427.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 95.698   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 92.453   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 92.154   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 95.754   | 427.762   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 96.138   | 427.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GV  | Avenhil 5 3274CT Heinenoord                  | 92.651   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 95.933   | 427.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 92.493   | 426.706   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 92.302   | 427.062   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 95.504   | 427.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 92.185   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 95.723   | 427.667   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 96.006   | 427.680   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| GZ Avenhil 37 3274CT Heinenoord                  |      | 92.725   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| H Reedijk 1 3274KE Heinenoord                    |      | 93.754   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •H Achterzeedijk 1 a 34 2991SB Barendrecht       |      | 97.201   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hA Achterzeedijk 63 2992SB Barendrecht           |      | 95.725   | 427.694   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HA Hermannushof 14 3274CE Heinenoord             |      | 92.548   | 426.704   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hb Achterzeedijk 67 2992SB Barendrecht           |      | 95.724   | 427.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HB Marijkestraat 25 3274AJ Heinenoord            |      | 92.341   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hc Achterzeedijk 38 2992SC Barendrecht           |      | 96.136   | 427.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HC Kalesland 3 3274CH Heinenoord                 |      | 92.524   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hd Achterzeedijk 47 2992SB Barendrecht           |      | 95.955   | 427.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HD Prof. Teldersstraat 35 3274MC Heinenoord      |      | 92.853   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hE Achterzeedijk 39 2992SB Barendrecht           |      | 96.103   | 427.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HE Marijkestraat 11 3274AJ Heinenoord            |      | 92.296   | 427.063   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hf Achterzeedijk 41 2992SB Barendrecht           |      | 96.083   | 427.682   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HF John F. Kennedystraat 38 3274CG Heinenoord    |      | 92.808   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hg Achterzeedijk 64 2992SC Barendrecht           |      | 95.495   | 427.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HG Oranjestraat 16 3274AK Heinenoord             |      | 92.161   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hh Achterzeedijk 71 2992SB Barendrecht           |      | 95.702   | 427.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HH Boerengorzen 10 3274CV Heinenoord             |      | 92.755   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hI Achterzeedijk 59 2992SB Barendrecht           |      | 95.779   | 427.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HI Kalesland 78 3274CH Heinenoord                |      | 92.592   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HJ Margrietstraat 18 3274AH Heinenoord           |      | 92.329   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hJ Achterzeedijk 42 2992SC Barendrecht           |      | 95.997   | 427.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HK Martin Luther Kingstraat 60 3274CL Heinenoord |      | 92.594   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hK Achterzeedijk 49 2992SB Barendrecht           |      | 95.949   | 427.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hL Achterzeedijk 48 2992SC Barendrecht           |      | 95.960   | 427.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HL Talmahof 7 3274CN Heinenoord                  |      | 92.435   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hM Achterzeedijk 60 2992SC Barendrecht           |      | 95.562   | 428.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HM Kalesland 56 3274CH Heinenoord                |      | 92.580   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hn Achterzeedijk 58 2992SC Barendrecht           |      | 95.709   | 427.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HN Emmastraat 22 3274AC Heinenoord               |      | 92.295   | 426.783   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hO Achterzeedijk 61 2992SB Barendrecht           |      | 95.775   | 427.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HO John F. Kennedystraat 18 3274CG Heinenoord    |      | 92.727   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hP Achterzeedijk 40 2992SC Barendrecht           |      | 96.111   | 427.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HP Martin Luther Kingstraat 32 3274CK Heinenoord |      | 92.471   | 427.036   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HQ Dreeshof 1 3274CC Heinenoord                  |      | 92.521   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hq Achterzeedijk 61 b 2992SB Barendrecht         |      | 95.750   | 427.757   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HR Buitenlanden 8 3274MB Heinenoord              |      | 92.927   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hr Achterzeedijk 56 2992SC Barendrecht           |      | 95.856   | 427.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HS Heyne van Althenastraat 14 3274CD Heinenoord  |      | 92.431   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hS Achterzeedijk 73 2992SB Barendrecht           |      | 95.698   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HT Prof. Teldersstraat 11 3274CZ Heinenoord      |      | 92.799   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hT Achterzeedijk 50 2992SC Barendrecht           |      | 95.894   | 427.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hU Gorzenweg 10 3274LL Heinenoord                |      | 94.688   | 426.134   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HU Prof. Teldersstraat 16 3274MC Heinenoord      |      | 92.832   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hv John F. Kennedystraat 41 3274CG Heinenoord    |      | 92.519   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hV Gorzenweg 8 3274LL Heinenoord                 |      | 94.759   | 426.128   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hW Mollekade 31 3274LN Heinenoord                |      | 94.641   | 426.106   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HW Rietwaard 17 3274MA Heinenoord                |      | 92.876   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hX Mollekade 32 3274LP Heinenoord                |      | 94.741   | 426.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HX Koomansland 26 3274CJ Heinenoord              |      | 92.411   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hY Boonsweg 44 3274LH Heinenoord                 |      | 95.724   | 426.443   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HY Wouter van den Walestr 32 3274CR Heinenoord   |      | 92.333   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HZ Avenhil 14 3274CT Heinenoord                  |      | 92.676   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hZ Gorzenweg 6 A 3274LL Heinenoord               |      | 95.324   | 426.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| I Reedijk 1 A 3274KE Heinenoord                  |      | 93.788   | 425.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •I Achterzeedijk 1 a 35 2991SB Barendrecht       |      | 97.194   | 427.540   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Avenhil 3 3274CT Heinenoord                   |      | 92.659   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iA Zomerlandseweg 9 3274LX Heinenoord            |      | 94.414   | 426.121   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB John F. Kennedystraat 40 3274CG Heinenoord    |      | 92.806   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Mollekade 29 3274LN Heinenoord                |      | 94.637   | 426.065   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iC Mollekade 28 3274LP Heinenoord                |      | 94.717   | 426.285   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Wouter van den Walestr 72 3274CS Heinenoord   |      | 92.370   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| ID  | Dreeshof 9 3274CC Heinenoord                  | 92.522   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iD  | Mollekade 39 3274LN Heinenoord                | 94.670   | 426.219   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE  | Thorbeckehof 1 3274CP Heinenoord              | 92.607   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iE  | Mollekade 41 3274LN Heinenoord                | 94.681   | 426.298   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF  | Spuivelden 25 3274CM Heinenoord               | 92.577   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iF  | Mollekade 47 3274LN Heinenoord                | 94.713   | 426.397   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iG  | Mollekade 45 3274LN Heinenoord                | 94.691   | 426.338   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG  | Wiardi Beckmanhof 8 3274CX Heinenoord         | 92.657   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH  | Talmahof 4 3274CN Heinenoord                  | 92.489   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 95.361   | 426.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 92.663   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ii  | Mollekade 43 3274LN Heinenoord                | 94.680   | 426.316   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 92.732   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 95.315   | 426.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | De Laagjes 12 3274CB Heinenoord               | 92.464   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | Mollekade 35 3274LN Heinenoord                | 94.652   | 426.161   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 95.481   | 425.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL  | Talmahof 11 3274CN Heinenoord                 | 92.436   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 92.604   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 94.940   | 426.314   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 92.852   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 95.240   | 425.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 92.561   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 93.458   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP  | Koomansland 32 3274CJ Heinenoord              | 92.446   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iP  | Stekkant 40 2993DB Barendrecht                | 94.060   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 92.780   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iQ  | Stekkant 33 2993DB Barendrecht                | 93.963   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Spieringwater 12 2993DM Barendrecht           | 94.127   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kalesland 52 3274CH Heinenoord                | 92.569   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iS  | Koedood 6 a 2993AL Barendrecht                | 93.774   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 92.500   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Avenhil 15 3274CT Heinenoord                  | 92.671   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iT  | Stekkant 107 2993DB Barendrecht               | 94.069   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 93.455   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 92.662   | 427.016   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 93.614   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Kalesland 19 3274CH Heinenoord                | 92.555   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iW  | Stekkant 2 2993DB Barendrecht                 | 93.941   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 92.203   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iX  | Müllerhaven 32 2993EA Barendrecht             | 93.829   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 92.472   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iY  | Oranjestraat 11 B 3274AK Heinenoord           | 92.164   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y   | Calandhaven 3 2993HL Barendrecht              | 93.498   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iZ  | Stekkant 87 2993DB Barendrecht                | 94.073   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 92.579   | 426.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 93.524   | 425.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 97.189   | 427.522   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 92.513   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ja  | Meeshaven 5 2993HN Barendrecht                | 93.652   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 92.877   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Smithaven 4 2993EC Barendrecht                | 93.830   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Emmastraat 11 3274AC Heinenoord               | 92.253   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | Stekkant 13 2993DB Barendrecht                | 93.962   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 92.654   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 92.364   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| je  | Kröllehaven 12 2993ED Barendrecht             | 93.733   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Avenhil 9 3274CT Heinenoord                   | 92.633   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Stekkant 51 2993DB Barendrecht                | 93.956   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | De Laagjes 23 3274CB Heinenoord               | 92.499   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | Zalmwater 143 2993DX Barendrecht              | 94.104   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 92.194   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| jH  | Van Hobokenhaven 43 2993HH Barendrecht        | 93.455   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jI  | Müllerhaven 70 2993EA Barendrecht             | 93.830   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JI  | Rietwaard 20 3274MA Heinenoord                | 92.863   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jj  | Stekkant 89 2993DB Barendrecht                | 94.071   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 92.237   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jk  | Müllerhaven 36 2993EA Barendrecht             | 93.833   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 92.832   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 92.537   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jl  | Stekkant 73 2993DB Barendrecht                | 93.961   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 92.403   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jm  | Aalwater 20 2993DD Barendrecht                | 93.999   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jN  | Stekkant 111 2993DB Barendrecht               | 94.073   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 92.783   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Smithaven 6 2993EC Barendrecht                | 93.821   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Oosteinde 45 3274KB Heinenoord                | 92.627   | 426.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 92.369   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 92.291   | 426.989   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Smithaven 35 2993EC Barendrecht               | 93.707   | 428.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 92.439   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 93.824   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Stekkant 127 2993DB Barendrecht               | 94.066   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Kalesland 32 3274CH Heinenoord                | 92.533   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Van Hobokenhaven 61 2993HH Barendrecht        | 93.459   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Talmahof 2 3274CN Heinenoord                  | 92.489   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jU  | Smithaven 18 2993EC Barendrecht               | 93.764   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 92.213   | 426.773   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | Swarttouwhaven 52 2993HP Barendrecht          | 93.503   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 92.871   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Kabbelkant 6 2993DC Barendrecht               | 94.010   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 92.519   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Meeshaven 7 2993HN Barendrecht                | 93.653   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 92.331   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 92.531   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 92.292   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 93.579   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 93.552   | 425.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 97.186   | 427.580   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 93.497   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Talmahof 8 3274CN Heinenoord                  | 92.490   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 93.497   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Irenestraat 28 3274AE Heinenoord              | 92.285   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 92.501   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Van Hobokenhaven 27 2993HH Barendrecht        | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 92.239   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 92.522   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 93.859   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 93.583   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 92.401   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Stekkant 147 2993DB Barendrecht               | 94.069   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Emmastraat 30 3274AC Heinenoord               | 92.214   | 426.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 92.354   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Van Hobokenhaven 59 2993HH Barendrecht        | 93.454   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Aalwater 4 2993DD Barendrecht                 | 93.959   | 428.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Emmastraat 32 3274AC Heinenoord               | 92.208   | 426.810   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 92.289   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 93.761   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | De Laagjes 21 3274CB Heinenoord               | 92.500   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | Aalwater 19 2993DD Barendrecht                | 94.000   | 428.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Steurwater 13 2993DE Barendrecht              | 93.944   | 428.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 92.887   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                            | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| KM Irenestraat 3               | 3274AD Heinenoord    | 92.236   | 426.951   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KM Vederhaven 3                | 2993EB Barendrecht   | 93.772   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Van Hobokenhaven 39         | 2993HH Barendrecht   | 93.459   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Irenestraat 36              | 3274AE Heinenoord    | 92.272   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Emmastraat 20               | 3274AC Heinenoord    | 92.289   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Müllerhaven 8               | 2993EA Barendrecht   | 93.832   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Steekkant 129               | 2993DB Barendrecht   | 94.067   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Oosteinde 41                | 3274KB Heinenoord    | 92.653   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ Steekkant 149               | 2993DB Barendrecht   | 94.067   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ John F. Kennedystraat 35    | 3274CG Heinenoord    | 92.502   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Avenhil 30                  | 3274CT Heinenoord    | 92.734   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Smithaven 59                | 2993EC Barendrecht   | 93.702   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS Ruyshaven 4                 | 2993HM Barendrecht   | 93.551   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS John F. Kennedystraat 55    | 3274CG Heinenoord    | 92.593   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Martin Luther Kingstraat 34 | 3274CL Heinenoord    | 92.495   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Swarttouwhaven 10           | 2993HP Barendrecht   | 93.585   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Steekkant 109               | 2993DB Barendrecht   | 94.071   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Koomansland 6               | 3274CJ Heinenoord    | 92.414   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Boerengorzen 8              | 3274CV Heinenoord    | 92.749   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Müllerhaven 42              | 2993EA Barendrecht   | 93.833   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kW Müllerhaven 48              | 2993EA Barendrecht   | 93.826   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KW Margrietstraat 20           | 3274AH Heinenoord    | 92.329   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Dorpsstraat 1 A             | 3274BB Heinenoord    | 92.553   | 426.618   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Kröllerhaven 53             | 2993ED Barendrecht   | 93.744   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY Steekkant 57                | 2993DB Barendrecht   | 93.962   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY John F. Kennedystraat 5     | 3274CG Heinenoord    | 92.402   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kalesland 72                | 3274CH Heinenoord    | 92.605   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kröllerhaven 23             | 2993ED Barendrecht   | 93.860   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| L Reedijk 2                    | 3274KE Heinenoord    | 93.694   | 425.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •L Achterzeedijk 1 a 38        | 2991SB Barendrecht   | 97.175   | 427.568   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LA John F. Kennedystraat 67    | 3274CG Heinenoord    | 92.708   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Ruyshaven 8                 | 2993HM Barendrecht   | 93.556   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LB Wouter van den Walestr      | 28 3274CR Heinenoord | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Swarttouwhaven 44           | 2993HP Barendrecht   | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Müllerhaven 56              | 2993EA Barendrecht   | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LC Dreeshof 11                 | 3274CC Heinenoord    | 92.522   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LD John F. Kennedystraat 22    | 3274CG Heinenoord    | 92.736   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ID Steekkant 22                | 2993DB Barendrecht   | 94.033   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LE Kalesland 18                | 3274CH Heinenoord    | 92.498   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE Meeshaven 2                 | 2993HN Barendrecht   | 93.625   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF Aalwater 14                 | 2993DD Barendrecht   | 93.984   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LF Koomansland 18              | 3274CJ Heinenoord    | 92.388   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG Steekkant 55                | 2993DB Barendrecht   | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LG Boerengorzen 4              | 3274CV Heinenoord    | 92.749   | 426.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LH Julianalaan 40              | 3274AG Heinenoord    | 92.149   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH Steekkant 77                | 2993DB Barendrecht   | 93.966   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II Steekkant 115               | 2993DB Barendrecht   | 94.076   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LI John F. Kennedystraat 13    | 3274CG Heinenoord    | 92.408   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ Kröllerhaven 37             | 2993ED Barendrecht   | 93.819   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LJ Rietwaard 24                | 3274MA Heinenoord    | 92.894   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK Kröllerhaven 39             | 2993ED Barendrecht   | 93.810   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LK Heyne van Althenastraat 30  | 3274CD Heinenoord    | 92.525   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LL Kalesland 7                 | 3274CH Heinenoord    | 92.523   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL Swarttouwhaven 30           | 2993HP Barendrecht   | 93.498   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LM Julianalaan 46              | 3274AG Heinenoord    | 92.159   | 427.083   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM Steekkant 19                | 2993DB Barendrecht   | 93.966   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LN Marijkestraat 1 B           | 3274AJ Heinenoord    | 92.231   | 427.075   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN Steekkant 12                | 2993DB Barendrecht   | 93.974   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO Müllerhaven 24              | 2993EA Barendrecht   | 93.834   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LO Irenestraat 10              | 3274AE Heinenoord    | 92.256   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP Spieringwater 8             | 2993DM Barendrecht   | 94.126   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LP Wiardi Beckmanhof 7         | 3274CX Heinenoord    | 92.663   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ Kröllerhaven 51             | 2993ED Barendrecht   | 93.754   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| LQ  | Spuivelden 8 3274CM Heinenoord                | 92.576   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord      | 92.853   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kabbelkant 2 2993DC Barendrecht               | 94.009   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Steekkant 10 2993DB Barendrecht               | 93.969   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LS  | Beatrixstraat 34 3274AA Heinenoord            | 92.201   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LT  | Marijkestraat 2 3274AJ Heinenoord             | 92.226   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Swarttouwhaven 20 2993HP Barendrecht          | 93.499   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord | 92.420   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Kabbelkant 8 2993DC Barendrecht               | 94.011   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Koedood 8 2993AL Barendrecht                  | 93.740   | 428.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LV  | Rietwaard 5 3274MA Heinenoord                 | 92.841   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord   | 92.438   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Kröllehaven 41 2993ED Barendrecht             | 93.800   | 428.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LX  | Rietwaard 6 3274MA Heinenoord                 | 92.809   | 426.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Steekkant 63 2993DB Barendrecht               | 93.955   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord    | 92.799   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY  | Steekkant 101 2993DB Barendrecht              | 94.071   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LZ  | Avenhil 36 3274CT Heinenoord                  | 92.723   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Steekkant 1 2993DB Barendrecht                | 93.956   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| M   | Reedijk 3 3274KE Heinenoord                   | 93.749   | 425.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht       | 97.168   | 427.550   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MA  | Irenestraat 26 3274AE Heinenoord              | 92.279   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mA  | Müllerhaven 58 2993EA Barendrecht             | 93.825   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mb  | Steekkant 15 2993DB Barendrecht               | 93.960   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord       | 92.800   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mC  | Müllerhaven 12 2993EA Barendrecht             | 93.833   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MC  | Oranjestraat 26 3274AK Heinenoord             | 92.200   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mD  | Steekkant 133 2993DB Barendrecht              | 94.075   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MD  | Avenhil 23 3274CT Heinenoord                  | 92.710   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mE  | Aalwater 13 2993DD Barendrecht                | 93.982   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ME  | Dorpsstraat 1 3274BB Heinenoord               | 92.476   | 426.622   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mF  | Swarttouwhaven 24 2993HP Barendrecht          | 93.499   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MF  | Kalesland 58 3274CH Heinenoord                | 92.596   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord   | 92.361   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mG  | Steekkant 37 2993DB Barendrecht               | 93.964   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mH  | Kabbelkant 4 2993DC Barendrecht               | 94.010   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MH  | Irenestraat 48 3274AE Heinenoord              | 92.309   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Avenhil 13 3274CT Heinenoord                  | 92.682   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Steurwater 5 2993DE Barendrecht               | 93.941   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mJ  | Vederhaven 11 2993EB Barendrecht              | 93.751   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MJ  | Kalesland 1 3274CH Heinenoord                 | 92.524   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mK  | Swarttouwhaven 48 2993HP Barendrecht          | 93.496   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MK  | Koomansland 5 3274CJ Heinenoord               | 92.449   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ML  | Margrietstraat 9 3274AH Heinenoord            | 92.288   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mL  | Steekkant 153 2993DB Barendrecht              | 94.065   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MM  | Emmastraat 16 3274AC Heinenoord               | 92.279   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mm  | Steekkant 24 2993DB Barendrecht               | 94.031   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MN  | Irenestraat 1 3274AD Heinenoord               | 92.232   | 426.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mN  | Steekkant 16 2993DB Barendrecht               | 93.985   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mO  | Steekkant 14 2993DB Barendrecht               | 93.980   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MO  | Avenhil 10 3274CT Heinenoord                  | 92.633   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MP  | Spuivelden 15 3274CM Heinenoord               | 92.578   | 426.840   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mP  | Smithaven 2 2993EC Barendrecht                | 93.839   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord        | 92.700   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mQ  | Aalwater 8 2993DD Barendrecht                 | 93.969   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MR  | Talmahof 9 3274CN Heinenoord                  | 92.435   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mR  | Steekkant 53 2993DB Barendrecht               | 93.959   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mS  | Smithaven 43 2993EC Barendrecht               | 93.705   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MS  | Beatrixstraat 48 3274AA Heinenoord            | 92.211   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mT  | Müllerhaven 72 2993EA Barendrecht             | 93.832   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MT  | De Laagjes 26 3274CB Heinenoord               | 92.515   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MU  | Bernhardstraat 6 3274AB Heinenoord            | 92.233   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mU  | Smithaven 14 2993EC Barendrecht               | 93.783   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| MV Wiardi Beckmanhof 11        | 3274CX Heinenoord  | 92.674   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mV Van Hobokenhaven 45         | 2993HH Barendrecht | 93.458   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mW Steekkant 48                | 2993DB Barendrecht | 94.081   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MW Julianalaan 42              | 3274AG Heinenoord  | 92.154   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MX De Laagjes 22               | 3274CB Heinenoord  | 92.502   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mX Steekkant 75                | 2993DB Barendrecht | 93.957   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mY Steekkant 91                | 2993DB Barendrecht | 94.069   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MY Kooimansland 13             | 3274CJ Heinenoord  | 92.469   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mZ Aalwater 18                 | 2993DD Barendrecht | 93.994   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MZ Kalesland 46                | 3274CH Heinenoord  | 92.560   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| N Blaaksedijk West 31          | 3274LD Heinenoord  | 94.016   | 425.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht | 97.158   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NA Spuivelden 9                | 3274CM Heinenoord  | 92.530   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nA Aalwater 16                 | 2993DD Barendrecht | 93.989   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nB Steekkant 17                | 2993DB Barendrecht | 93.960   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord  | 92.525   | 426.966   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NC Irenestraat 20              | 3274AE Heinenoord  | 92.261   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nC Zalmwater 155               | 2993DX Barendrecht | 94.060   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ND Oranjestraat 31             | 3274AK Heinenoord  | 92.285   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nd Müllerhaven 60              | 2993EA Barendrecht | 93.830   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nE Swarttouwhaven 18           | 2993HP Barendrecht | 93.502   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NE Kalesland 28                | 3274CH Heinenoord  | 92.525   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nF Zalmwater 151               | 2993DX Barendrecht | 94.079   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord  | 92.561   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord  | 92.868   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht | 93.456   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nH Smithaven 33                | 2993EC Barendrecht | 93.708   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NH Dorpsstraat 7               | 3274BB Heinenoord  | 92.395   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nI Müllerhaven 4               | 2993EA Barendrecht | 93.828   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NI Kalesland 64                | 3274CH Heinenoord  | 92.596   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nJ Smithaven 39                | 2993EC Barendrecht | 93.706   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NJ Andries Woutershof 8        | 3274CA Heinenoord  | 92.473   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NK Beatrixstraat 23            | 3274AA Heinenoord  | 92.186   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nK Müllerhaven 10              | 2993EA Barendrecht | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord  | 92.800   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nL Steekkant 131               | 2993DB Barendrecht | 94.069   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NM Oosteinde 24                | 3274KC Heinenoord  | 92.685   | 426.638   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nN Steekkant 23                | 2993DB Barendrecht | 93.955   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord  | 92.801   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NO Kooimansland 1              | 3274CJ Heinenoord  | 92.450   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nO Steekkant 50                | 2993DB Barendrecht | 94.087   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NP Buitenlanden 21             | 3274MB Heinenoord  | 92.902   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nP Steekkant 20                | 2993DB Barendrecht | 93.995   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nQ Müllerhaven 64              | 2993EA Barendrecht | 93.835   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NQ Marliquestraat 9            | 3274AJ Heinenoord  | 92.285   | 427.067   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nR Kröllerhaven 15             | 2993ED Barendrecht | 93.862   | 428.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord  | 92.788   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nS Steekkant 79                | 2993DB Barendrecht | 93.961   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord  | 92.808   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NT Kalesland 6                 | 3274CH Heinenoord  | 92.480   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nT Steekkant 35                | 2993DB Barendrecht | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nU Kröllerhaven 33             | 2993ED Barendrecht | 93.837   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NU Kooimansland 2              | 3274CJ Heinenoord  | 92.415   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord  | 92.742   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nV Swarttouwhaven 38           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord  | 92.453   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nW Kabbelkant 16               | 2993DC Barendrecht | 94.014   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht | 93.458   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NX Oosteinde 16                | 3274KC Heinenoord  | 92.757   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NY Irenestraat 19              | 3274AD Heinenoord  | 92.246   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nY Meeshaven 18                | 2993HN Barendrecht | 93.637   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NZ Bernhardstraat 4            | 3274AB Heinenoord  | 92.227   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| nZ Ruyshaven 7                 | 2993HM Barendrecht | 93.583   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| O Blaaksedijk West 32          | 3274LE Heinenoord  | 93.953   | 425.690   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht | 97.153   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OA Boerengorzen 2              | 3274CV Heinenoord  | 92.753   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oA Müllerhaven 62              | 2993EA Barendrecht | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oB Smithaven 27                | 2993EC Barendrecht | 93.709   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord  | 92.386   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oC Aalwater 21                 | 2993DD Barendrecht | 94.015   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord  | 92.824   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oD Swarttouwhaven 56           | 2993HP Barendrecht | 93.506   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OD Irenestraat 44              | 3274AE Heinenoord  | 92.296   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OE Kalesland 22                | 3274CH Heinenoord  | 92.508   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oE Van Hobokenhaven 21         | 2993HH Barendrecht | 93.453   | 428.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OF Marijkestraat 4             | 3274AJ Heinenoord  | 92.232   | 427.051   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oF Kröllerhaven 27             | 2993ED Barendrecht | 93.859   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OG Wiardi Beckmanhof 1         | 3274CX Heinenoord  | 92.661   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oG Kröllerhaven 19             | 2993ED Barendrecht | 93.861   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OH Emmastraat 2 F              | 3274AC Heinenoord  | 92.220   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oH Ruyshaven 2                 | 2993HM Barendrecht | 93.551   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OI Koomansland 22              | 3274CJ Heinenoord  | 92.398   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oI Koedood 2 b                 | 2993AL Barendrecht | 93.846   | 428.476   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ Prof. Teldersstraat 26      | 3274MC Heinenoord  | 92.857   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oJ Swarttouwhaven 60           | 2993HP Barendrecht | 93.501   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OK Avenhil 12                  | 3274CT Heinenoord  | 92.653   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oK Müllerhaven 28              | 2993EA Barendrecht | 93.834   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oL Spieringwater 14            | 2993DM Barendrecht | 94.128   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OL Martin Luther Kingstraat 46 | 3274CL Heinenoord  | 92.532   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oM Aalwater 7                  | 2993DD Barendrecht | 93.967   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OM Heyne van Althenastraat 10  | 3274CD Heinenoord  | 92.434   | 426.746   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oN Steekkant 34                | 2993DB Barendrecht | 94.029   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ON Rietwaard 10                | 3274MA Heinenoord  | 92.812   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oO Steekkant 61                | 2993DB Barendrecht | 93.965   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OO Martin Luther Kingstraat 62 | 3274CL Heinenoord  | 92.599   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OP Avenhil 40                  | 3274CT Heinenoord  | 92.701   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oP Steekkant 167               | 2993DB Barendrecht | 94.129   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OQ Emmastraat 28               | 3274AC Heinenoord  | 92.225   | 426.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oQ Van Hobokenhaven 57         | 2993HH Barendrecht | 93.462   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oR Steekkant 159               | 2993DB Barendrecht | 94.069   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OR Avenhil 16                  | 3274CT Heinenoord  | 92.666   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OS Irenestraat 46              | 3274AE Heinenoord  | 92.303   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oS Kröllerhaven 21             | 2993ED Barendrecht | 93.860   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oT Ruyshaven 6                 | 2993HM Barendrecht | 93.555   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OT Kalesland 5                 | 3274CH Heinenoord  | 92.524   | 426.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OU Oranjestraat 29             | 3274AK Heinenoord  | 92.278   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oU Koedood 18                  | 2993AL Barendrecht | 93.530   | 428.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OV Prof. Teldersstraat 49      | 3274MC Heinenoord  | 92.877   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oV Van Hobokenhaven 67         | 2993HH Barendrecht | 93.452   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oW Swarttouwhaven 54           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OW Irenestraat 16              | 3274AE Heinenoord  | 92.260   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oX Kabbelkant 10               | 2993DC Barendrecht | 94.011   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OX De Laagjes 16               | 3274CB Heinenoord  | 92.486   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oY Smithaven 8                 | 2993EC Barendrecht | 93.812   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OY Wouter van den Walestr 52   | 3274CS Heinenoord  | 92.362   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oZ Müllerhaven 26              | 2993EA Barendrecht | 93.828   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ Martin Luther Kingstraat 24 | 3274CK Heinenoord  | 92.451   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| P Blaaksedijk West 33          | 3274LD Heinenoord  | 94.002   | 425.633   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •P Achterzeedijk 1 a 42        | 2991SB Barendrecht | 97.152   | 427.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PA Wouter van den Walestr 76   | 3274CS Heinenoord  | 92.366   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pA Steekkant 163               | 2993DB Barendrecht | 94.078   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pB Steekkant 93                | 2993DB Barendrecht | 94.071   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PB Avenhil 20                  | 3274CT Heinenoord  | 92.705   | 426.937   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PC Martin Luther Kingstraat 10 | 3274CK Heinenoord  | 92.408   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pC Van Hobokenhaven 23         | 2993HH Barendrecht | 93.453   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 92.335   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 93.504   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pE  | Stekkant 32 2993DB Barendrecht                | 94.029   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 92.867   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pF  | Stekkant 99 2993DB Barendrecht                | 94.073   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 92.780   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pG  | Smithaven 10 2993EC Barendrecht               | 93.803   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 92.678   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pH  | Aalwater 1 2993DD Barendrecht                 | 93.941   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PH  | Rietwaard 2 3274MA Heinenoord                 | 92.810   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 92.729   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pI  | Stekkant 161 2993DB Barendrecht               | 94.077   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pJ  | Kröllehaven 2 2993ED Barendrecht              | 93.779   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 92.235   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pK  | Smithaven 21 2993EC Barendrecht               | 93.710   | 428.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 92.831   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PL  | Kalesland 10 3274CH Heinenoord                | 92.480   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PM  | Avenhil 6 3274CT Heinenoord                   | 92.633   | 426.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pM  | Stekkant 139 2993DB Barendrecht               | 94.077   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pN  | Zalmwater 139 2993DX Barendrecht              | 94.117   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 92.788   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pO  | Kröllehaven 47 2993ED Barendrecht             | 93.772   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PO  | Kalesland 26 3274CH Heinenoord                | 92.519   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pP  | Stekkant 9 2993DB Barendrecht                 | 93.960   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 92.831   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 92.464   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 93.972   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PR  | Hermannushof 10 3274CE Heinenoord             | 92.535   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pR  | Stekkant 95 2993DB Barendrecht                | 94.073   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 93.571   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 92.498   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pT  | Smithaven 25 2993EC Barendrecht               | 93.709   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 92.330   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 92.578   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 93.542   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pV  | Smithaven 23 2993EC Barendrecht               | 93.710   | 428.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PV  | Irenestraat 12 3274AE Heinenoord              | 92.258   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pW  | Stekkant 28 2993DB Barendrecht                | 94.030   | 428.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 92.624   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 93.834   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 92.433   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pY  | Stekkant 5 2993DB Barendrecht                 | 93.956   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 92.831   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 92.213   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Q   | Blaaksedijk West 47 3274LD Heinenoord         | 93.612   | 425.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 97.150   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 93.827   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 92.860   | 426.635   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QB  | Koimansland 12 3274CJ Heinenoord              | 92.405   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qb  | Stekkant 6 2993DB Barendrecht                 | 93.959   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 92.202   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qC  | Stekkant 25 2993DB Barendrecht                | 93.961   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QD  | Avenhil 11 3274CT Heinenoord                  | 92.633   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qD  | Smithaven 51 2993EC Barendrecht               | 93.704   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QE  | De Laagjes 17 3274CB Heinenoord               | 92.501   | 426.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qE  | Müllerhaven 22 2993EA Barendrecht             | 93.830   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Stekkant 143 2993DB Barendrecht               | 94.073   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Marijkestraat 7 3274AJ Heinenoord             | 92.278   | 427.068   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 93.557   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QG  | Avenhil 34 3274CT Heinenoord                  | 92.711   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qH  | Stekkant 7 2993DB Barendrecht                 | 93.956   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| QH  | Koomansland 14 3274CJ Heinenoord              | 92.405   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QI  | Irenestraat 13 3274AD Heinenoord              | 92.242   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qI  | Stekkant 45 2993DB Barendrecht                | 93.958   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ  | Martin Luther Kingstraat 68 3274CL Heinenoord | 92.619   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qJ  | Koedood 25 2993AL Barendrecht                 | 93.183   | 428.725   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord      | 92.799   | 427.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qK  | Stekkant 47 2993DB Barendrecht                | 93.955   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QL  | Andries Woutershof 24 3274CA Heinenoord       | 92.503   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qL  | Aalwater 10 2993DD Barendrecht                | 93.974   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht        | 93.463   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QM  | De Laagjes 19 3274CB Heinenoord               | 92.500   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QN  | Kalesland 38 3274CH Heinenoord                | 92.540   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qN  | Müllerhaven 46 2993EA Barendrecht             | 93.827   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qO  | Müllerhaven 68 2993EA Barendrecht             | 93.835   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QO  | Marijkeweg 21 3274AJ Heinenoord               | 92.328   | 427.057   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qP  | Steurwater 1 2993DE Barendrecht               | 93.940   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QP  | De Laagjes 4 3274CB Heinenoord                | 92.440   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord    | 92.428   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qQ  | Koedood 6 2993AL Barendrecht                  | 93.795   | 428.465   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qR  | Zalmwater 157 2993DX Barendrecht              | 94.060   | 428.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QR  | Bernhardstraat 3 3274AB Heinenoord            | 92.201   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qS  | Spieringwater 4 2993DM Barendrecht            | 94.126   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QS  | Oosteinde 37 3274KB Heinenoord                | 92.676   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QT  | De Laagjes 28 3274CB Heinenoord               | 92.520   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qT  | Spieringwater 10 2993DM Barendrecht           | 94.127   | 428.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QU  | Thorbeckehof 3 3274CP Heinenoord              | 92.607   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qU  | Spieringwater 2 2993DM Barendrecht            | 94.125   | 428.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qV  | Stekkant 54 2993DB Barendrecht                | 94.098   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QV  | De Laagjes 20 3274CB Heinenoord               | 92.498   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QW  | Buitelanden 4 3274MB Heinenoord               | 92.916   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qW  | Swarttouwhaven 62 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord        | 92.700   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qX  | Steurwater 11 2993DE Barendrecht              | 93.942   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QY  | Emmastraat 2 E 3274AC Heinenoord              | 92.225   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qY  | Swarttouwhaven 36 2993HP Barendrecht          | 93.503   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qZ  | Kabbelkant 14 2993DC Barendrecht              | 94.012   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ  | Koomansland 8 3274CJ Heinenoord               | 92.414   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| R   | Blaaksedijk West 24 3274LE Heinenoord         | 94.107   | 425.624   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht       | 97.144   | 427.538   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord    | 92.496   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rA  | Stekkant 41 2993DB Barendrecht                | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rB  | Stekkant 81 2993DB Barendrecht                | 93.962   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RB  | Boerengorzen 3 3274CV Heinenoord              | 92.780   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RC  | Kalesland 70 3274CH Heinenoord                | 92.605   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rC  | Koedood 14 2993AL Barendrecht                 | 93.601   | 428.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rD  | Müllerhaven 40 2993EA Barendrecht             | 93.825   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord        | 92.765   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rE  | Aalwater 11 2993DD Barendrecht                | 93.977   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RE  | Avenhil 28 3274CT Heinenoord                  | 92.724   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rF  | Smithaven 37 2993EC Barendrecht               | 93.707   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RF  | Oosteinde 22 3274KC Heinenoord                | 92.697   | 426.642   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht        | 93.460   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RG  | Andries Woutershof 16 3274CA Heinenoord       | 92.494   | 426.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rH  | Aalwater 15 2993DD Barendrecht                | 93.987   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord      | 92.873   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rI  | Stekkant 85 2993DB Barendrecht                | 94.010   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RI  | Emmastraat 34 3274AC Heinenoord               | 92.196   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rJ  | Zalmwater 141 2993DX Barendrecht              | 94.111   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RJ  | Oranjestraat 23 3274AK Heinenoord             | 92.259   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord    | 92.862   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rL  | Smithaven 12 2993EC Barendrecht               | 93.794   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RL  | Stekkant 44 2993DB Barendrecht                | 94.071   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord  | 92.428   | 426.723   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| RM Oranjestraat 17             | 3274AK Heinenoord  | 92.221   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rM Steekkant 4                 | 2993DB Barendrecht | 93.954   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RN Buitenlanden 13             | 3274MB Heinenoord  | 92.894   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rN Van Hobokenhaven 37         | 2993HH Barendrecht | 93.460   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RO Bernhardstraat 2            | 3274AB Heinenoord  | 92.220   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rO Van Hobokenhaven 19         | 2993HH Barendrecht | 93.459   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RP Buitenlanden 17             | 3274MB Heinenoord  | 92.902   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rP Calandhaven 1               | 2993HL Barendrecht | 93.488   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rQ Koedood 22                  | 2993AL Barendrecht | 93.468   | 428.458   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RQ Marijkestraat 1 C           | 3274AJ Heinenoord  | 92.240   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RR Irenestraat 40              | 3274AE Heinenoord  | 92.284   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rR Aalwater 2                  | 2993DD Barendrecht | 93.946   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rS Steekkant 103               | 2993DB Barendrecht | 94.069   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RS Bernhardstraat 16           | 3274AB Heinenoord  | 92.264   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RT Buitenlanden 12             | 3274MB Heinenoord  | 92.929   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rT Aalwater 5                  | 2993DD Barendrecht | 93.962   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rU Kröllerhaven 31             | 2993ED Barendrecht | 93.857   | 428.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RU Wouter van den Walestr 26   | 3274CR Heinenoord  | 92.329   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rV Smithaven 53                | 2993EC Barendrecht | 93.703   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RV Boerengorzen 9              | 3274CV Heinenoord  | 92.781   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rW Müllerhaven 30              | 2993EA Barendrecht | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RW Emmastraat 3                | 3274AC Heinenoord  | 92.223   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rX Swarttouwhaven 58           | 2993HP Barendrecht | 93.503   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RX De Laagjes 2                | 3274CB Heinenoord  | 92.436   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rY Vederhaven 15               | 2993EB Barendrecht | 93.740   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RY Koomansland 28              | 3274CJ Heinenoord  | 92.417   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rZ Smithaven 57                | 2993EC Barendrecht | 93.703   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RZ Prof. Teldersstraat 31      | 3274MC Heinenoord  | 92.850   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| S Reedijs 3 A                  | 3274KE Heinenoord  | 93.739   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •S Achterzeedijk 1 a 45        | 2991SB Barendrecht | 97.138   | 427.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sA Swarttouwhaven 26           | 2993HP Barendrecht | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SA Wouter van den Walestr 18   | 3274CR Heinenoord  | 92.333   | 426.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SB Oranjestraat 15             | 3274AK Heinenoord  | 92.215   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sB Smithaven 29                | 2993EC Barendrecht | 93.708   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SC Heyne van Althenastraat 26  | 3274CD Heinenoord  | 92.476   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sC Steekkant 145               | 2993DB Barendrecht | 94.071   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SD Martin Luther Kingstraat 48 | 3274CL Heinenoord  | 92.538   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sD Aalwater 3                  | 2993DD Barendrecht | 93.957   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SE Willém de Zwijgerstraat 8   | 3274AL Heinenoord  | 92.161   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sE Zalmwater 153               | 2993DX Barendrecht | 94.071   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SF John F. Kennedystraat 36    | 3274CG Heinenoord  | 92.809   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sF Vederhaven 17               | 2993EB Barendrecht | 93.734   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SG Wouter van den Walestr 44   | 3274CS Heinenoord  | 92.362   | 426.956   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sG Swarttouwhaven 34           | 2993HP Barendrecht | 93.503   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SH Wiardi Beckmanhof 12        | 3274CX Heinenoord  | 92.678   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sH Müllerhaven 76              | 2993EA Barendrecht | 93.836   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SI Margrietstraat 14           | 3274AH Heinenoord  | 92.322   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sI Meeshaven 14                | 2993HN Barendrecht | 93.628   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sJ Smithaven 20                | 2993EC Barendrecht | 93.755   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SJ Prof. Teldersstraat 43      | 3274MC Heinenoord  | 92.877   | 427.033   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK De Laagjes 18               | 3274CB Heinenoord  | 92.492   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK Steekkant 123               | 2993DB Barendrecht | 94.069   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SL Wouter van den Walestr 56   | 3274CS Heinenoord  | 92.364   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sL Steekkant 59                | 2993DB Barendrecht | 93.954   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sM Steekkant 39                | 2993DB Barendrecht | 93.956   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SM Zomerlandseweg 2            | 3274LX Heinenoord  | 92.961   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sN Müllerhaven 66              | 2993EA Barendrecht | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SN Spuivelden 21               | 3274CM Heinenoord  | 92.578   | 426.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sO Steurwater 7                | 2993DE Barendrecht | 93.941   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SO Koomansland 36              | 3274CJ Heinenoord  | 92.445   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SP John F. Kennedystraat 7     | 3274CG Heinenoord  | 92.402   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sP Steekkant 155               | 2993DB Barendrecht | 94.065   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sQ Meeshaven 8                 | 2993HN Barendrecht | 93.626   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| SQ  | Hermannushof 24 3274CE Heinenoord           | 92.579   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sR  | Steekkant 27 2993DB Barendrecht             | 93.957   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SR  | Koimansland 11 3274CJ Heinenoord            | 92.465   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sS  | Aalwater 17 2993DD Barendrecht              | 93.993   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SS  | Hermannushof 26 3274CE Heinenoord           | 92.580   | 426.727   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sT  | Steekkant 119 2993DB Barendrecht            | 94.073   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ST  | Oosteinde 28 3274KC Heinenoord              | 92.662   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SU  | Irenestraat 21 3274AD Heinenoord            | 92.247   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sU  | Kröllehaven 4 2993ED Barendrecht            | 93.770   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sV  | Ruyshaven 9 2993HM Barendrecht              | 93.582   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SV  | Bernhardstraat 12 3274AB Heinenoord         | 92.250   | 426.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SW  | Spuivelden 2 3274CM Heinenoord              | 92.560   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sW  | Spieringwater 6 2993DM Barendrecht          | 94.126   | 428.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SX  | Emmastraat 26 3274AC Heinenoord             | 92.231   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sX  | Swarttouwhaven 28 2993HP Barendrecht        | 93.495   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SY  | Rietwaard 1 3274MA Heinenoord               | 92.843   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sY  | Ruyshaven 11 2993HM Barendrecht             | 93.583   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sZ  | Swarttouwhaven 66 2993HP Barendrecht        | 93.499   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SZ  | John F. Kennedystraat 26 3274CG Heinenoord  | 92.782   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| T   | Blaaksedijk West 43 3274LD Heinenoord       | 93.856   | 425.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •T  | Achterzeedijk 1 a 46 2991SB Barendrecht     | 97.131   | 427.584   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tA  | Van Hobokenhaven 65 2993HH Barendrecht      | 93.457   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TA  | Prof. Teldersstraat 15 3274CZ Heinenoord    | 92.800   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TB  | Wouter van den Walestr 12 3274CR Heinenoord | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tB  | Smithaven 31 2993EC Barendrecht             | 93.708   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tC  | Steekkant 137 2993DB Barendrecht            | 94.077   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TC  | Avenhil 24 3274CT Heinenoord                | 92.705   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tD  | Steekkant 105 2993DB Barendrecht            | 94.068   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TD  | Prof. Teldersstraat 21 3274CZ Heinenoord    | 92.827   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TE  | De Laagjes 5 3274CA Heinenoord              | 92.458   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tE  | Zalmwater 133 2993DX Barendrecht            | 94.137   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TF  | John F. Kennedystraat 57 3274CG Heinenoord  | 92.598   | 426.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tF  | Kröllehaven 43 2993ED Barendrecht           | 93.792   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tG  | Van Hobokenhaven 15 2993HH Barendrecht      | 93.456   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TG  | Rietwaard 14 3274MA Heinenoord              | 92.807   | 426.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tH  | Steekkant 11 2993DB Barendrecht             | 93.954   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TH  | Koimansland 10 3274CJ Heinenoord            | 92.405   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TI  | Abraham Kuyperhof 7 3274CW Heinenoord       | 92.727   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tI  | Steekkant 67 2993DB Barendrecht             | 93.965   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tJ  | Steekkant 52 2993DB Barendrecht             | 94.092   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TJ  | Kalesland 4 3274CH Heinenoord               | 92.481   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tK  | Müllerhaven 82 2993EA Barendrecht           | 93.826   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TK  | Oranjestraat 20 3274AK Heinenoord           | 92.181   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tL  | Müllerhaven 34 2993EA Barendrecht           | 93.831   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TL  | Dreeshof 2 3274CC Heinenoord                | 92.574   | 426.985   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TM  | Hermannushof 16 3274CE Heinenoord           | 92.553   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tM  | Steekkant 31 2993DB Barendrecht             | 93.964   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TN  | Wiardi Beckmanhof 14 3274CX Heinenoord      | 92.700   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tN  | Vederhaven 1 2993EB Barendrecht             | 93.778   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TO  | Wiardi Beckmanhof 2 3274CX Heinenoord       | 92.661   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tO  | Müllerhaven 50 2993EA Barendrecht           | 93.831   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tP  | Koedood 4 2993AL Barendrecht                | 93.802   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TP  | Beatrixstraat 17 3274AA Heinenoord          | 92.181   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tQ  | Smithaven 49 2993EC Barendrecht             | 93.704   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TO  | John F. Kennedystraat 37 3274CG Heinenoord  | 92.508   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tR  | Koedood 2 a 2993AL Barendrecht              | 94.006   | 428.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TR  | Oranjestraat 11 A 3274AK Heinenoord         | 92.173   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TS  | Spuivelden 5 3274CM Heinenoord              | 92.530   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tS  | Kröllehaven 6 2993ED Barendrecht            | 93.761   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TT  | Prof. Teldersstraat 4 3274MC Heinenoord     | 92.831   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tT  | Smithaven 22 2993EC Barendrecht             | 93.746   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TU  | Dorpsstraat 32 3274BD Heinenoord            | 92.203   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tU  | Steekkant 121 2993DB Barendrecht            | 94.071   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.   | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|---|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|   |      |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| tV Steekkant 135 2993DB Barendrecht             |      | 94.077   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TV Prof. Teldersstraat 12 3274MC Heinenoord     |      | 92.831   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TW Marijkestraat 5 3274AJ Heinenoord            |      | 92.271   | 427.070   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tW Steekkant 113 2993DB Barendrecht             |      | 94.075   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TX Smithaven 55 2993EC Barendrecht              |      | 93.703   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TX Kalesland 9 3274CH Heinenoord                |      | 92.523   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TY Boerengorzen 11 3274CV Heinenoord            |      | 92.782   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tY Steekkant 56 2993DB Barendrecht              |      | 94.103   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TZ Irenestraat 18 3274AE Heinenoord             |      | 92.260   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tZ Smithaven 45 2993EC Barendrecht              |      | 93.705   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| U Blaaksedijk West 29 3274LD Heinenoord         |      | 94.052   | 425.609   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •U Achterzeedijk 1 a 47 2991SB Barendrecht      |      | 97.120   | 427.569   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uA Müllerhaven 16 2993EA Barendrecht            |      | 93.826   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UA Wouter van den Walestr 64 3274CS Heinenoord  |      | 92.365   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UB Avenhil 35 3274CT Heinenoord                 |      | 92.720   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uB Swarttouwhaven 68 2993HP Barendrecht         |      | 93.493   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UC Beatrixstraat 29 3274AA Heinenoord           |      | 92.191   | 427.069   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uC Steekkant 30 2993DB Barendrecht              |      | 94.029   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uD Steekkant 38 2993DB Barendrecht              |      | 94.054   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UD Wiardi Beckmanhof 3 3274CX Heinenoord        |      | 92.662   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UE Martin Luther Kingstraat 2 3274CK Heinenoord |      | 92.386   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uE Meeshaven 3 2993HN Barendrecht               |      | 93.651   | 428.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UF Rietwaard 7 3274MA Heinenoord                |      | 92.843   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uF Van Hobokenhaven 51 2993HH Barendrecht       |      | 93.455   | 428.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uG Steekkant 42 2993DB Barendrecht              |      | 94.065   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UG Dorpsstraat 9 3274BB Heinenoord              |      | 92.373   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UH Oranjestraat 13 3274AK Heinenoord            |      | 92.208   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uH Meeshaven 1 2993HN Barendrecht               |      | 93.651   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uI Steekkant 69 2993DB Barendrecht              |      | 93.960   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UI Avenhil 4 3274CT Heinenoord                  |      | 92.655   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UJ De Laagjes 15 3274CB Heinenoord              |      | 92.501   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uJ Aalwater 22 2993DD Barendrecht               |      | 94.016   | 428.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UK Bernhardstraat 8 3274AB Heinenoord           |      | 92.239   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uK Steekkant 29 2993DB Barendrecht              |      | 93.955   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uL Steurwater 9 2993DE Barendrecht              |      | 93.942   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UL Margrietstraat 13 3274AH Heinenoord          |      | 92.291   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uM Smithaven 47 2993EC Barendrecht              |      | 93.705   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UM Irenestraat 15 3274AD Heinenoord             |      | 92.243   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uN Meeshaven 12 2993HN Barendrecht              |      | 93.630   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UN Rietwaard 26 3274MA Heinenoord               |      | 92.914   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uO Meeshaven 15 2993HN Barendrecht              |      | 93.659   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UO Avenhil 42 3274CT Heinenoord                 |      | 92.700   | 426.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uP Steekkant 117 2993DB Barendrecht             |      | 94.075   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UP Dreeshof 10 3274CC Heinenoord                |      | 92.575   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uQ Steekkant 36 2993DB Barendrecht              |      | 94.049   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UQ Oosteinde 20 3274KC Heinenoord               |      | 92.708   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uR Calandhaven 7 2993HL Barendrecht             |      | 93.527   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UR John F. Kennedystraat 69 3274CG Heinenoord   |      | 92.755   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| US De Laagjes 30 3274CB Heinenoord              |      | 92.527   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uS Calandhaven 5 2993HL Barendrecht             |      | 93.512   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UT Martin Luther Kingstraat 8 3274CK Heinenoord |      | 92.386   | 427.059   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uT Van Hobokenhaven 55 2993HH Barendrecht       |      | 93.452   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UU Wiardi Beckmanhof 16 3274CX Heinenoord       |      | 92.704   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uU Kröllerhaven 25 2993ED Barendrecht           |      | 93.859   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uV Kröllerhaven 8 2993ED Barendrecht            |      | 93.752   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UV Thorbeckehof 9 3274CP Heinenoord             |      | 92.605   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uW Van Hobokenhaven 31 2993HH Barendrecht       |      | 93.463   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UW Emmastraat 24 3274AC Heinenoord              |      | 92.298   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UX John F. Kennedystraat 71 3274CG Heinenoord   |      | 92.762   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uX Steekkant 125 2993DB Barendrecht             |      | 94.067   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UY Avenhil 7 3274CT Heinenoord                  |      | 92.633   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uY Steekkant 157 2993DB Barendrecht             |      | 94.067   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UZ Irenestraat 34 3274AE Heinenoord             |      | 92.302   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| uZ Steekkant 43 2993DB Barendrecht               |      | 93.961   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| V Blaaksedijk West 25 3274LD Heinenoord          |      | 94.076   | 425.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •V Achterzeedijk 1 a 48 2991SB Barendrecht       |      | 97.113   | 427.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vA Swarttouwhaven 22 2993HP Barendrecht          |      | 93.503   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VA Martin Luther Kingstraat 12 3274CK Heinenoord |      | 92.414   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vB Aalwater 6 2993DD Barendrecht                 |      | 93.964   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VB Buitenlanden 2 3274MB Heinenoord              |      | 92.916   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vc Steekkant 49 2993DB Barendrecht               |      | 93.961   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VC Abraham Kuyperhof 1 3274CW Heinenoord         |      | 92.728   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vD Steekkant 141 2993DB Barendrecht              |      | 94.075   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VD Kalesland 76 3274CH Heinenoord                |      | 92.592   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vE Meeshaven 6 2993HN Barendrecht                |      | 93.625   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VE Dreeshof 6 3274CC Heinenoord                  |      | 92.574   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VF John F. Kennedystraat 73 3274CG Heinenoord    |      | 92.768   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vF Meeshaven 10 2993HN Barendrecht               |      | 93.629   | 428.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VG Dreeshof 7 3274CC Heinenoord                  |      | 92.522   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vG Meeshaven 16 2993HN Barendrecht               |      | 93.629   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vH Müllerhaven 78 2993EA Barendrecht             |      | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VH Dorpsstraat 3 3274BB Heinenoord               |      | 92.434   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vl Steekkant 3 2993DB Barendrecht                |      | 93.966   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VI Beatrixstraat 46 3274AA Heinenoord            |      | 92.209   | 427.002   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VJ Oranjestraat 24 3274AK Heinenoord             |      | 92.194   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vJ Steekkant 8 2993DB Barendrecht                |      | 93.964   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vk Steekkant 65 2993DB Barendrecht               |      | 93.957   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VK Avenhil 21 3274CT Heinenoord                  |      | 92.710   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Müllerhaven 20 2993EA Barendrecht             |      | 93.833   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Irenestraat 42 3274AE Heinenoord              |      | 92.288   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vM Kröllerhaven 17 2993ED Barendrecht            |      | 93.860   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VM Irenestraat 5 3274AD Heinenoord               |      | 92.237   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vN Steurwater 3 2993DE Barendrecht               |      | 93.940   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VN Prof. Teldersstraat 53 3274MC Heinenoord      |      | 92.876   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vO Steekkant 97 2993DB Barendrecht               |      | 94.074   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VO Wouter van den Walestr 38 3274CS Heinenoord   |      | 92.346   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VP Martin Luther Kingstraat 22 3274CK Heinenoord |      | 92.445   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vP Vederhaven 9 2993EB Barendrecht               |      | 93.756   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vQ Müllerhaven 2 2993EA Barendrecht              |      | 93.828   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VQ Avenhil 33 3274CT Heinenoord                  |      | 92.732   | 426.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vr Vederhaven 19 2993EB Barendrecht              |      | 93.729   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VR Oosteinde 4 3274CK Heinenoord                 |      | 92.893   | 426.673   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VS Buitenlanden 3 3274MB Heinenoord              |      | 92.887   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vS Smithaven 41 2993EC Barendrecht               |      | 93.706   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VT Martin Luther Kingstraat 64 3274CL Heinenoord |      | 92.606   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vT Van Hobokenhaven 29 2993HH Barendrecht        |      | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VU Buitenlanden 15 3274MB Heinenoord             |      | 92.895   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vU Zalmwater 147 2993DX Barendrecht              |      | 94.092   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vV Swarttouwhaven 64 2993HP Barendrecht          |      | 93.502   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VV Rietwaard 8 3274MA Heinenoord                 |      | 92.813   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VW Martin Luther Kingstraat 42 3274CL Heinenoord |      | 92.520   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vW Aalwater 12 2993DD Barendrecht                |      | 93.979   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vX Kröllerhaven 55 2993ED Barendrecht            |      | 93.735   | 428.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VX De Laagjes 10 3274CB Heinenoord               |      | 92.458   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vY Meeshaven 13 2993HN Barendrecht               |      | 93.658   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VY Martin Luther Kingstraat 16 3274CK Heinenoord |      | 92.426   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vZ Meeshaven 11 2993HN Barendrecht               |      | 93.657   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VZ Wouter van den Walestr 78 3274CS Heinenoord   |      | 92.367   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| W Blaaksedijk West 30 3274LE Heinenoord          |      | 94.004   | 425.661   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •W Achterzeedijk 1 a 49 2991SB Barendrecht       |      | 97.104   | 427.610   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WA Marijkestraat 12 3274AJ Heinenoord            |      | 92.350   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wA Koedood 20 2993AL Barendrecht                 |      | 93.529   | 428.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WB Wouter van den Walestr 16 3274CR Heinenoord   |      | 92.329   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wB Zalmwater 145 2993DX Barendrecht              |      | 94.098   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WC Talmahof 10 3274CN Heinenoord                 |      | 92.490   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wC Zalmwater 149 2993DX Barendrecht              |      | 94.085   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| WD  | Beatrixstraat 27 3274AA Heinenoord            | 92.187   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wD  | Kröllerhaven 49 2993ED Barendrecht            | 93.762   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wE  | Zalmwater 135 2993DX Barendrecht              | 94.129   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WE  | Oosteinde 18 3274KC Heinenoord                | 92.748   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WF  | Spuivelden 11 3274CM Heinenoord               | 92.531   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wF  | Stekkant 26 2993DB Barendrecht                | 94.030   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WG  | Avenhil 17 3274CT Heinenoord                  | 92.662   | 426.946   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wG  | Stekkant 46 2993DB Barendrecht                | 94.076   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WH  | Oosteinde 33 3274KB Heinenoord                | 92.738   | 426.600   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wH  | Koedood 23 2993AL Barendrecht                 | 93.222   | 428.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WI  | Avenhil 39 3274CT Heinenoord                  | 92.738   | 426.874   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wI  | Meeshaven 17 2993HN Barendrecht               | 93.654   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wJ  | Swarttouwhaven 2 2993HP Barendrecht           | 93.657   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WJ  | Dorpsstraat 26 3274BD Heinenoord              | 92.222   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wK  | Stekkant 165 2993DB Barendrecht               | 94.079   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WK  | Prof. Teldersstraat 25 3274CZ Heinenoord      | 92.826   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wL  | Meeshaven 4 2993HN Barendrecht                | 93.626   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WL  | Koomansland 24 3274CJ Heinenoord              | 92.406   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wM  | Meeshaven 9 2993HN Barendrecht                | 93.656   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WM  | De Laagjes 1 3274CB Heinenoord                | 92.447   | 426.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WN  | Hermannushof 8 3274CE Heinenoord              | 92.529   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wN  | Vederhaven 5 2993EB Barendrecht               | 93.767   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wO  | Koedood 27 2993AL Barendrecht                 | 93.159   | 428.767   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WO  | Bernhardstraat 7 3274AB Heinenoord            | 92.203   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wP  | Swarttouwhaven 4 2993HP Barendrecht           | 93.643   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WP  | Andries Woutershof 4 3274CA Heinenoord        | 92.460   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WQ  | Bernhardstraat 18 3274AB Heinenoord           | 92.271   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wQ  | Swarttouwhaven 6 2993HP Barendrecht           | 93.629   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wR  | Kröllerhaven 10 2993ED Barendrecht            | 93.743   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WR  | Spuivelden 19 3274CM Heinenoord               | 92.579   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wS  | Smithaven 24 2993EC Barendrecht               | 93.737   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WS  | Kalesland 40 3274CH Heinenoord                | 92.544   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WT  | Irenestraat 24 3274AE Heinenoord              | 92.273   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wT  | Kröllerhaven 45 2993ED Barendrecht            | 93.780   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WU  | Kalesland 30 3274CH Heinenoord                | 92.530   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wU  | Smithaven 16 2993EC Barendrecht               | 93.773   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WV  | Kalesland 42 3274CH Heinenoord                | 92.549   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wV  | Stekkant 151 2993DB Barendrecht               | 94.065   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WW  | De Laagjes 36 3274CB Heinenoord               | 92.543   | 426.776   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wW  | Kröllerhaven 35 2993ED Barendrecht            | 93.828   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WX  | Martin Luther Kingstraat 28 3274CK Heinenoord | 92.472   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wX  | Stekkant 58 2993DB Barendrecht                | 94.109   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WY  | Prof. Teldersstraat 45 3274MC Heinenoord      | 92.877   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wY  | Ruyshaven 1 2993HM Barendrecht                | 93.578   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wZ  | Zalmwater 137 2993DX Barendrecht              | 94.123   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WZ  | Oranjestraat 28 3274AK Heinenoord             | 92.207   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| X   | Reedijk 4 3274KE Heinenoord                   | 93.702   | 425.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •X  | Achterzeedijk 1 a 50 2991SB Barendrecht       | 97.106   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XA  | John F. Kennedystraat 75 3274CG Heinenoord    | 92.771   | 426.980   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xA  | Müllerhaven 38 2993EA Barendrecht             | 93.833   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xB  | Stekkant 18 2993DB Barendrecht                | 93.990   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XB  | Thorbeckehof 7 3274CP Heinenoord              | 92.607   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xC  | Stekkant 21 2993DB Barendrecht                | 93.957   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XC  | Abraham Kuyperhof 13 3274CW Heinenoord        | 92.766   | 427.034   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xD  | Vederhaven 13 2993EB Barendrecht              | 93.745   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XD  | John F. Kennedystraat 51 3274CG Heinenoord    | 92.580   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xE  | Van Hobokenhaven 17 2993HH Barendrecht        | 93.456   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XE  | John F. Kennedystraat 17 3274CG Heinenoord    | 92.420   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xF  | Kabbelkant 12 2993DC Barendrecht              | 94.012   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XF  | Oranjestraat 21 3274AK Heinenoord             | 92.253   | 426.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xG  | Müllerhaven 14 2993EA Barendrecht             | 93.835   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XG  | Avenhil 38 3274CT Heinenoord                  | 92.732   | 426.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xH  | Stekkant 71 2993DB Barendrecht                | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| XH  | De Laagjes 14 3274CB Heinenoord               | 92.481   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XI  | Emmastraat 9 3274AC Heinenoord                | 92.245   | 426.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xI  | Swarttouwhaven 50 2993HP Barendrecht          | 93.505   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XJ  | Abraham Kuyperhof 4 3274CW Heinenoord         | 92.730   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xJ  | Koedood 29 3161GE Rhoon                       | 93.112   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xK  | Koedood 29 3161GE Rhoon                       | 93.114   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Boerengorzen 6 3274CV Heinenoord              | 92.750   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XL  | Kalesland 17 3274CH Heinenoord                | 92.555   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xL  | Weerkant 60 2993DA Barendrecht                | 94.325   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xM  | Spieringwater 1 2993DM Barendrecht            | 94.157   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XM  | Julianastraat 36 3274AG Heinenoord            | 92.162   | 427.014   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xN  | Weerkant 134 2993DA Barendrecht               | 94.227   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 92.215   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xO  | Harderwater 78 2993DW Barendrecht             | 94.304   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XO  | Talmahof 3 3274CN Heinenoord                  | 92.434   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 92.431   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xP  | Harderwater 76 2993DW Barendrecht             | 94.304   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 92.561   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xQ  | Weerkant 17 2993DA Barendrecht                | 94.232   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xR  | Kuikant 167 2993DV Barendrecht                | 94.338   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 92.318   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 92.203   | 426.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xS  | Weerkant 38 2993DA Barendrecht                | 94.314   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xT  | Weerkant 14 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XT  | Hermannushof 20 3274CE Heinenoord             | 92.582   | 426.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xU  | Weerkant 132 2993DA Barendrecht               | 94.225   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XU  | Kalesland 50 3274CH Heinenoord                | 92.564   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xV  | Weerkant 19 2993DA Barendrecht                | 94.226   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XV  | Buitelanden 6 3274MB Heinenoord               | 92.919   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XW  | Avenhil 1 3274CT Heinenoord                   | 92.669   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xW  | Harderwater 80 2993DW Barendrecht             | 94.304   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 92.309   | 427.061   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xX  | Weerkant 12 2993DA Barendrecht                | 94.311   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 92.764   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xY  | Zalmwater 115 2993DX Barendrecht              | 94.207   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 92.702   | 426.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xZ  | Weerkant 112 2993DA Barendrecht               | 94.229   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y   | Blaaksedijk West 35 3274LD Heinenoord         | 93.965   | 425.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 97.102   | 427.572   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yA  | Weerkant 76 2993DA Barendrecht                | 94.319   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 92.203   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yB  | Weerkant 100 2993DA Barendrecht               | 94.229   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 92.319   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YC  | De Laagjes 6 3274CB Heinenoord                | 92.446   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yC  | Weerkant 92 2993DA Barendrecht                | 94.225   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YD  | Rietwaard 16 3274MA Heinenoord                | 92.800   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yD  | Weerkant 6 2993DA Barendrecht                 | 94.321   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YE  | De Laagjes 3 3274CB Heinenoord                | 92.453   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yE  | Weerkant 46 2993DA Barendrecht                | 94.323   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yF  | Weerkant 18 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 92.765   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yG  | Weerkant 64 2993DA Barendrecht                | 94.312   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 92.335   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yH  | Weerkant 118 2993DA Barendrecht               | 94.231   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 92.333   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yl  | Harderwater 49 2993DW Barendrecht             | 94.275   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YI  | Avenhil 8 3274CT Heinenoord                   | 92.636   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yJ  | Weerkant 94 2993DA Barendrecht                | 94.227   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YJ  | Kalesland 66 3274CH Heinenoord                | 92.605   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yK  | Weerkant 1 2993DA Barendrecht                 | 94.255   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YK  | Kalesland 2 3274CH Heinenoord                 | 92.482   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Zalmwater 125 2993DX Barendrecht              | 94.176   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Koomansland 3 3274CJ Heinenoord               | 92.450   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 92.574   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yM  | Weerkant 114 2993DA Barendrecht               | 94.231   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yN  | Weerkant 20 2993DA Barendrecht                | 94.323   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 92.904   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yO  | Weerkant 138 2993DA Barendrecht               | 94.231   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 92.184   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YP  | Kalesland 60 3274CH Heinenoord                | 92.595   | 426.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yP  | Weerkant 48 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 94.169   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YQ  | Julianastraat 44 3274AG Heinenoord            | 92.152   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yR  | Weerkant 24 2993DA Barendrecht                | 94.324   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 92.712   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YS  | Rietwaard 19 3274MA Heinenoord                | 92.884   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yS  | Spieringwater 13 2993DM Barendrecht           | 94.160   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 92.335   | 426.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yT  | Weerkant 62 2993DA Barendrecht                | 94.322   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 92.315   | 427.060   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yU  | Weerkant 146 2993DA Barendrecht               | 94.231   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 92.730   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yV  | Weerkant 82 2993DA Barendrecht                | 94.315   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yW  | Spieringwater 9 2993DM Barendrecht            | 94.159   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 92.537   | 426.742   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 92.177   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yX  | Weerkant 136 2993DA Barendrecht               | 94.229   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yY  | Weerkant 158 2993DA Barendrecht               | 94.221   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 92.465   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 92.612   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 94.159   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 93.916   | 425.686   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 97.098   | 427.555   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zA  | Weerkant 86 2993DA Barendrecht                | 94.266   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 92.415   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zB  | Weerkant 32 2993DA Barendrecht                | 94.324   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 92.245   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zC  | Spieringwater 5 2993DM Barendrecht            | 94.158   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 92.809   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZD  | Kalesland 34 3274CH Heinenoord                | 92.530   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zD  | Weerkant 126 2993DA Barendrecht               | 94.223   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 92.663   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zE  | Weerkant 30 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zF  | Weerkant 104 2993DA Barendrecht               | 94.225   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 92.850   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zG  | Weerkant 70 2993DA Barendrecht                | 94.324   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 92.718   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 92.662   | 427.010   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zH  | Weerkant 10 2993DA Barendrecht                | 94.323   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 92.665   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zI  | Weerkant 33 2993DA Barendrecht                | 94.189   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zJ  | Weerkant 26 2993DA Barendrecht                | 94.325   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 92.211   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zK  | Weerkant 130 2993DA Barendrecht               | 94.223   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 92.239   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 92.365   | 426.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zL  | Weerkant 4 2993DA Barendrecht                 | 94.323   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 92.685   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zM  | Weerkant 68 2993DA Barendrecht                | 94.322   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zN  | Weerkant 96 2993DA Barendrecht                | 94.229   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 92.489   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zO  | Weerkant 34 2993DA Barendrecht                | 94.318   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 92.345   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zP  | Weerkant 31 2993DA Barendrecht                | 94.194   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZP  | Koelmansland 7 3274CJ Heinenoord              | 92.449   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zQ  | Weerkant 148 2993DA Barendrecht               | 94.229   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ZQ  | Talmahof 5 3274CN Heinenoord                | 92.434   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZR  | Irenestraat 14 3274AE Heinenoord            | 92.259   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zR  | Weerkant 144 2993DA Barendrecht             | 94.233   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zS  | Weerkant 116 2993DA Barendrecht             | 94.232   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZS  | Oosteinde 26 3274KC Heinenoord              | 92.674   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZT  | John F. Kennedystraat 25 3274CG Heinenoord  | 92.447   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZT  | Spieringwater 11 2993DM Barendrecht         | 94.159   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zU  | Weerkant 140 2993DA Barendrecht             | 94.233   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZU  | Wouter van den Walestr 58 3274CS Heinenoord | 92.352   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zV  | Weerkant 42 2993DA Barendrecht              | 94.318   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZV  | Margrietstraat 16 3274AH Heinenoord         | 92.326   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZW  | Bernhardstraat 1 A 3274AB Heinenoord        | 92.195   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zW  | Weerkant 122 2993DA Barendrecht             | 94.227   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zX  | Weerkant 168 2993DA Barendrecht             | 94.149   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZX  | De Laagjes 13 3274CB Heinenoord             | 92.501   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZY  | Marijkestraat 3 3274AJ Heinenoord           | 92.262   | 427.071   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZY  | Weerkant 80 2993DA Barendrecht              | 94.317   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZZ  | Wouter van den Walestr 46 3274CS Heinenoord | 92.363   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZZ  | Weerkant 106 2993DA Barendrecht             | 94.224   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

## Calculation Results

### Shadow receptor

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| [A  | Kalesland 11 3274CH Heinenoord                | 0:50                                 |
| [B  | Prof. Teldersstraat 39 3274MC Heinenoord      | 3:16                                 |
| [C  | Bernhardstraat 1 C 3274AB Heinenoord          | 0:00                                 |
| [D  | Wiardi Beckmanhof 17 3274CX Heinenoord        | 1:31                                 |
| [E  | Abraham Kuyperhof 15 3274CW Heinenoord        | 2:19                                 |
| [F  | Margrietstraat 4 3274AH Heinenoord            | 0:00                                 |
| [G  | Wiardi Beckmanhof 6 3274CX Heinenoord         | 1:17                                 |
| [H  | Rietwaard 9 3274MA Heinenoord                 | 3:31                                 |
| [I  | Kalesland 20 3274CH Heinenoord                | 0:40                                 |
| [J  | Rietwaard 11 3274MA Heinenoord                | 3:39                                 |
| [K  | Buitelanden 14 3274MB Heinenoord              | 4:33                                 |
| [L  | Abraham Kuyperhof 11 3274CW Heinenoord        | 2:20                                 |
| [M  | John F. Kennedystraat 29 3274CG Heinenoord    | 0:38                                 |
| [N  | Marijkestraat 19 3274AJ Heinenoord            | 0:00                                 |
| [O  | Avenhil 41 3274CT Heinenoord                  | 1:35                                 |
| [P  | Oosteinde 35 3274KB Heinenoord                | 3:28                                 |
| [Q  | Martin Luther Kingstraat 26 3274CK Heinenoord | 0:34                                 |
| [R  | Oranjestraat 27 3274AK Heinenoord             | 0:00                                 |
| [S  | John F. Kennedystraat 8 3274CG Heinenoord     | 1:22                                 |
| [T  | Emmastraat 14 3274AC Heinenoord               | 0:00                                 |
| [U  | Irenestraat 23 3274AD Heinenoord              | 0:00                                 |
| [V  | Spuibedel 3 3274CM Heinenoord                 | 0:43                                 |
| [W  | Beatrixstraat 42 3274AA Heinenoord            | 0:00                                 |
| [X  | Buitelanden 7 3274MB Heinenoord               | 4:06                                 |
| [Y  | Koimansland 38 3274CJ Heinenoord              | 0:30                                 |
| [Z  | Kalesland 16 3274CH Heinenoord                | 0:37                                 |
| \A  | Kalesland 8 3274CH Heinenoord                 | 0:36                                 |
| \B  | Talmahof 1 3274CN Heinenoord                  | 0:29                                 |
| \C  | Koimansland 17 3274CJ Heinenoord              | 0:35                                 |
| \D  | Irenestraat 22 3274AE Heinenoord              | 0:00                                 |
| \E  | John F. Kennedystraat 65 3274CG Heinenoord    | 1:31                                 |
| \F  | Spuibedel 10 3274CM Heinenoord                | 0:58                                 |
| \G  | Thorbeckehof 5 3274CP Heinenoord              | 1:02                                 |
| \H  | Spuibedel 6 3274CM Heinenoord                 | 0:54                                 |
| \I  | Prof. Teldersstraat 29 3274CZ Heinenoord      | 2:56                                 |
| \J  | John F. Kennedystraat 45 3274CG Heinenoord    | 0:45                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 1:58                    |                      |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 3:26                    |                      |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 2:02                    |                      |
| \N  | De Laagjes 11 3274CB Heinenoord               | 0:35                    |                      |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 0:44                    |                      |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 3:37                    |                      |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 0:00                    |                      |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 0:00                    |                      |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 3:04                    |                      |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 0:24                    |                      |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 3:30                    |                      |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 0:00                    |                      |
| \W  | Spuivelden 7 3274CM Heinenoord                | 0:44                    |                      |
| \X  | Avenhil 19 3274CT Heinenoord                  | 1:26                    |                      |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 1:00                    |                      |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 0:00                    |                      |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 4:02                    |                      |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 0:38                    |                      |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 2:58                    |                      |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 0:31                    |                      |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 2:21                    |                      |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 0:00                    |                      |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 4:32                    |                      |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 3:19                    |                      |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 5:15                    |                      |
| ]J  | Kalesland 44 3274CH Heinenoord                | 0:51                    |                      |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 1:35                    |                      |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 0:25                    |                      |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 4:17                    |                      |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 2:01                    |                      |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 4:00                    |                      |
| ]P  | Kalesland 14 3274CH Heinenoord                | 0:37                    |                      |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 0:57                    |                      |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 2:05                    |                      |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 1:26                    |                      |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 0:42                    |                      |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 0:27                    |                      |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 0:52                    |                      |
| ]W  | Kalesland 13 3274CH Heinenoord                | 0:51                    |                      |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 0:24                    |                      |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 0:54                    |                      |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 2:07                    |                      |
| ^A  | Kalesland 24 3274CH Heinenoord                | 0:41                    |                      |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 4:09                    |                      |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 0:25                    |                      |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 0:56                    |                      |
| ^E  | Kalesland 54 3274CH Heinenoord                | 0:55                    |                      |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 0:00                    |                      |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 0:00                    |                      |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 0:20                    |                      |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 1:43                    |                      |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 0:00                    |                      |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 0:20                    |                      |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 0:00                    |                      |
| ^M  | Kalesland 48 3274CH Heinenoord                | 0:52                    |                      |
| ^N  | Buitelanden 9 3274MB Heinenoord               | 4:02                    |                      |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 1:19                    |                      |
| ^P  | Kalesland 74 3274CH Heinenoord                | 0:58                    |                      |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 3:02                    |                      |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 0:00                    |                      |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 0:30                    |                      |
| ^T  | Kalesland 15 3274CH Heinenoord                | 0:50                    |                      |
| ^U  | Buitelanden 10 3274MB Heinenoord              | 4:38                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 0:57                    |                      |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 0:45                    |                      |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 3:43                    |                      |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 0:00                    |                      |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 2:20                    |                      |
| _A  | Kalesland 12 3274CH Heinenoord                | 0:36                    |                      |
| _B  | Hermannushof 18 3274CE Heinenoord             | 0:55                    |                      |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 0:00                    |                      |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 3:05                    |                      |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 0:00                    |                      |
| _F  | Emmastraat 18 3274AC Heinenoord               | 0:00                    |                      |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 2:22                    |                      |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 1:20                    |                      |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 2:42                    |                      |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 0:00                    |                      |
| _K  | Avenhil 26 3274CT Heinenoord                  | 2:02                    |                      |
| _L  | Spuivelden 4 3274CM Heinenoord                | 0:53                    |                      |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 0:00                    |                      |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 0:28                    |                      |
| _O  | Rietwaard 12 3274MA Heinenoord                | 2:54                    |                      |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 0:00                    |                      |
| _Q  | Kalesland 62 3274CH Heinenoord                | 1:00                    |                      |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 0:57                    |                      |
| _S  | Koimansland 20 3274CJ Heinenoord              | 0:22                    |                      |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 2:37                    |                      |
| _U  | Talmahof 12 3274CN Heinenoord                 | 0:37                    |                      |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 2:36                    |                      |
| _W  | Rietwaard 15 3274MA Heinenoord                | 3:57                    |                      |
| _X  | Oosteinde 43 3274KB Heinenoord                | 1:52                    |                      |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 0:33                    |                      |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 0:00                    |                      |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 3:37                    |                      |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 0:33                    |                      |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 0:39                    |                      |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 0:00                    |                      |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 0:56                    |                      |
| `F  | Irenestraat 32 3274AE Heinenoord              | 0:00                    |                      |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 0:00                    |                      |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 0:19                    |                      |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 3:08                    |                      |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 0:00                    |                      |
| `K  | De Laagjes 32 3274CB Heinenoord               | 0:46                    |                      |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 0:00                    |                      |
| `M  | Irenestraat 11 3274AD Heinenoord              | 0:00                    |                      |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 0:00                    |                      |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 2:41                    |                      |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 0:00                    |                      |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 0:00                    |                      |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 1:30                    |                      |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 2:39                    |                      |
| `T  | Emmastraat 36 3274AC Heinenoord               | 0:00                    |                      |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 0:00                    |                      |
| `V  | Spuivelden 27 3274CM Heinenoord               | 0:57                    |                      |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 0:00                    |                      |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord   | 0:20                    |                      |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord    | 1:27                    |                      |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord   | 0:20                    |                      |
| {A} | Weerkant 88 2993DA Barendrecht                | 0:00                    |                      |
| {B} | Weerkant 5 2993DA Barendrecht                 | 0:00                    |                      |
| {C} | Weerkant 72 2993DA Barendrecht                | 0:00                    |                      |
| {D} | Zalmwater 111 2993DX Barendrecht              | 0:00                    |                      |
| {E} | Weerkant 37 2993DA Barendrecht                | 0:00                    |                      |
| {F} | Weerkant 166 2993DA Barendrecht               | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name                                       | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| {G  | Weerkant 128 2993DA Barendrecht            | 0:00                                 |
| {H  | Weerkant 56 2993DA Barendrecht             | 0:00                                 |
| {I  | Weerkant 23 2993DA Barendrecht             | 0:00                                 |
| {J  | Weerkant 25 2993DA Barendrecht             | 0:00                                 |
| {K  | Weerkant 21 2993DA Barendrecht             | 0:00                                 |
| {L  | Weerkant 66 2993DA Barendrecht             | 0:00                                 |
| {M  | Weerkant 120 2993DA Barendrecht            | 0:00                                 |
| {N  | Zalmwater 121 2993DX Barendrecht           | 0:00                                 |
| {O  | Weerkant 22 2993DA Barendrecht             | 0:00                                 |
| {P  | Weerkant 162 2993DA Barendrecht            | 0:00                                 |
| {Q  | Zalmwater 123 2993DX Barendrecht           | 0:00                                 |
| {R  | Weerkant 54 2993DA Barendrecht             | 0:00                                 |
| {S  | Weerkant 44 2993DA Barendrecht             | 0:00                                 |
| {T  | Weerkant 108 2993DA Barendrecht            | 0:00                                 |
| {U  | Weerkant 8 2993DA Barendrecht              | 0:00                                 |
| {V  | Weerkant 150 2993DA Barendrecht            | 0:00                                 |
| {W  | Zalmwater 131 2993DX Barendrecht           | 0:00                                 |
| {X  | Weerkant 35 2993DA Barendrecht             | 0:00                                 |
| {Y  | Weerkant 28 2993DA Barendrecht             | 0:00                                 |
| {Z  | Weerkant 98 2993DA Barendrecht             | 0:00                                 |
| A   | Weerkant 124 2993DA Barendrecht            | 0:00                                 |
| B   | Weerkant 52 2993DA Barendrecht             | 0:00                                 |
| C   | Kuilkant 169 2993DV Barendrecht            | 0:00                                 |
| D   | Weerkant 36 2993DA Barendrecht             | 0:00                                 |
| E   | Weerkant 2 2993DA Barendrecht              | 0:00                                 |
| F   | Weerkant 27 2993DA Barendrecht             | 0:00                                 |
| G   | Weerkant 29 2993DA Barendrecht             | 0:00                                 |
| H   | Weerkant 90 2993DA Barendrecht             | 0:00                                 |
| I   | Weerkant 160 2993DA Barendrecht            | 0:00                                 |
| J   | Zalmwater 117 2993DX Barendrecht           | 0:00                                 |
| K   | Koedood 2 2993AL Barendrecht               | 0:00                                 |
| L   | Weerkant 11 2993DA Barendrecht             | 0:00                                 |
| M   | Weerkant 15 2993DA Barendrecht             | 0:00                                 |
| N   | Weerkant 16 2993DA Barendrecht             | 0:00                                 |
| O   | Weerkant 40 2993DA Barendrecht             | 0:00                                 |
| P   | Weerkant 74 2993DA Barendrecht             | 0:00                                 |
| Q   | Weerkant 78 2993DA Barendrecht             | 0:00                                 |
| R   | Weerkant 102 2993DA Barendrecht            | 0:00                                 |
| S   | Harderwater 51 2993DW Barendrecht          | 0:00                                 |
| T   | Zalmwater 119 2993DX Barendrecht           | 0:00                                 |
| U   | Zalmwater 129 2993DX Barendrecht           | 0:00                                 |
| V   | Weerkant 156 2993DA Barendrecht            | 0:00                                 |
| W   | Spieringwater 3 2993DM Barendrecht         | 0:00                                 |
| X   | Weerkant 7 2993DA Barendrecht              | 0:00                                 |
| Y   | Weerkant 13 2993DA Barendrecht             | 0:00                                 |
| Z   | Weerkant 3 2993DA Barendrecht              | 0:00                                 |
| )A  | Weerkant 9 2993DA Barendrecht              | 0:00                                 |
| )B  | Weerkant 110 2993DA Barendrecht            | 0:00                                 |
| )C  | Weerkant 142 2993DA Barendrecht            | 0:00                                 |
| )D  | Weerkant 154 2993DA Barendrecht            | 0:00                                 |
| )E  | Weerkant 164 2993DA Barendrecht            | 0:00                                 |
| )F  | Weerkant 152 2993DA Barendrecht            | 0:00                                 |
| )G  | Zalmwater 113 2993DX Barendrecht           | 0:00                                 |
| )H  | Weerkant 50 2993DA Barendrecht             | 0:00                                 |
| )I  | Weerkant 58 2993DA Barendrecht             | 0:00                                 |
| )J  | Kuipersveer 9 3274KH Heinenoord            | 0:00                                 |
| )K  | Kuipersveer 7 3274KH Heinenoord            | 0:00                                 |
| )L  | Kuipersveer 3 3274KH Heinenoord            | 0:00                                 |
| )M  | Kuipersveer 5 3274KH Heinenoord            | 0:00                                 |
| )N  | Kuipersveer 1 A 3274KH Heinenoord          | 0:00                                 |
| )O  | Ziedewijdsekade 14 2991VS Barendrecht      | 0:00                                 |
| )P  | 3e Barendrechtseweg 555 2991SH Barendrecht | 0:00                                 |
| )Q  | 3e Barendrechtseweg 454 2992SN Barendrecht | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| )R  | Ziedewijdsekade 36 2991SE Barendrecht         | 0:48                                 |
| )S  | 3e Barendrechtseweg 545 2991SH Barendrecht    | 0:00                                 |
| )T  | Ziedewijdsekade 18 2991VS Barendrecht         | 0:00                                 |
| )U  | Ziedewijdsekade 72 2991SE Barendrecht         | 0:00                                 |
| )V  | Ziedewijdsekade 1 2991VS Barendrecht          | 0:00                                 |
| )W  | 3e Barendrechtseweg 541 2991SH Barendrecht    | 0:00                                 |
| )X  | Achterzeedijk 11 2991SB Barendrecht           | 0:33                                 |
| )Y  | Ziedewijdsekade 70 2991SE Barendrecht         | 0:00                                 |
| )Z  | Ziedewijdsekade 10 2991VS Barendrecht         | 0:00                                 |
| ~A  | 3e Barendrechtseweg 559 2991SH Barendrecht    | 0:37                                 |
| ~B  | Ziedewijdsekade 12 2991VS Barendrecht         | 0:00                                 |
| ~C  | Ziedewijdsekade 34 2991SE Barendrecht         | 0:35                                 |
| ~D  | Achterzeedijk 1 2991SB Barendrecht            | 0:27                                 |
| ~E  | Achterzeedijk 1 a 1 2991SB Barendrecht        | 0:00                                 |
| ~F  | Achterzeedijk 1 a 2 2991SB Barendrecht        | 0:00                                 |
| ~G  | Achterzeedijk 1 a 3 2991SB Barendrecht        | 0:00                                 |
| ~H  | Achterzeedijk 1 a 4 2991SB Barendrecht        | 0:00                                 |
| ~I  | Achterzeedijk 1 a 6 2991SB Barendrecht        | 0:00                                 |
| ~J  | Achterzeedijk 1 a 7 2991SB Barendrecht        | 0:00                                 |
| ~K  | Achterzeedijk 1 a 8 2991SB Barendrecht        | 0:00                                 |
| ~L  | Achterzeedijk 1 a 9 2991SB Barendrecht        | 0:00                                 |
| ~M  | Achterzeedijk 1 a 10 2991SB Barendrecht       | 0:00                                 |
| ~N  | Achterzeedijk 1 a 11 2991SB Barendrecht       | 0:00                                 |
| ~O  | Achterzeedijk 1 a 12 2991SB Barendrecht       | 0:00                                 |
| ~P  | Achterzeedijk 1 a 14 2991SB Barendrecht       | 0:00                                 |
| ~Q  | Achterzeedijk 1 a 16 2991SB Barendrecht       | 0:15                                 |
| ~R  | Achterzeedijk 1 a 17 2991SB Barendrecht       | 0:00                                 |
| ~S  | Achterzeedijk 1 a 18 2991SB Barendrecht       | 0:00                                 |
| ~T  | Achterzeedijk 1 a 19 2991SB Barendrecht       | 0:15                                 |
| ~U  | Achterzeedijk 1 a 20 2991SB Barendrecht       | 0:17                                 |
| ~V  | Achterzeedijk 1 a 21 2991SB Barendrecht       | 0:00                                 |
| ~W  | Achterzeedijk 1 a 22 2991SB Barendrecht       | 0:15                                 |
| ~X  | Achterzeedijk 1 a 23 2991SB Barendrecht       | 0:16                                 |
| ~Y  | Achterzeedijk 1 a 24 2991SB Barendrecht       | 0:18                                 |
| ~Z  | Achterzeedijk 1 a 26 2991SB Barendrecht       | 0:15                                 |
| ?AA | Achterzeedijk 1 a 53 2991SB Barendrecht       | 0:27                                 |
| ?BA | Achterzeedijk 1 a 54 2991SB Barendrecht       | 0:29                                 |
| ?CA | Achterzeedijk 1 a 55 2991SB Barendrecht       | 0:30                                 |
| ?DA | Achterzeedijk 1 a 56 2991SB Barendrecht       | 0:32                                 |
| ?EA | Achterzeedijk 1 a 13 2991SB Barendrecht       | 0:00                                 |
| ?FA | Achterzeedijk 1 a 15 2991SB Barendrecht       | 0:00                                 |
| ?GA | Achterzeedijk 1 a 25 2991SB Barendrecht       | 0:14                                 |
| ?HA | Achterzeedijk 1 a 5 2991SB Barendrecht        | 0:00                                 |
| ?IK | Kuipersveer 15 3274KH Heinenoord              | 0:00                                 |
| ?JK | Kuipersveer 31 3274KH Heinenoord              | 0:00                                 |
| ?KK | Kuipersveer 15 A 3274KH Heinenoord            | 0:00                                 |
| ?LK | Kuipersveer 23 3274KH Heinenoord              | 0:00                                 |
| ?MK | Kuipersveer 13 3274KH Heinenoord              | 0:00                                 |
| ?NK | Kuipersveer 15 D 3274KH Heinenoord            | 0:00                                 |
| ?OK | Kuipersveer 19 3274KH Heinenoord              | 0:00                                 |
| ?PK | Kuipersveer 25 3274KH Heinenoord              | 0:00                                 |
| ?QK | Kuipersveer 21 3274KH Heinenoord              | 0:00                                 |
| ?RK | Kuipersveer 35 3274KH Heinenoord              | 0:00                                 |
| ?SK | Kuipersveer 15 C 3274KH Heinenoord            | 0:00                                 |
| ?TK | Kuipersveer 17 3274KH Heinenoord              | 0:00                                 |
| A   | Blaaksedijk West 28 3274LE Heinenoord         | 0:00                                 |
| •A  | Achterzeedijk 1 a 27 2991SB Barendrecht       | 0:17                                 |
| AA  | Blaaksedijk West 26 3274LE Heinenoord         | 0:00                                 |
| aA  | Martin Luther Kingstraat 44 3274CL Heinenoord | 0:45                                 |
| AB  | Doormanstraat 15 3274LK Heinenoord            | 0:00                                 |
| aB  | Rietwaard 22 3274MA Heinenoord                | 4:22                                 |
| aC  | Kalesland 68 3274CH Heinenoord                | 1:03                                 |
| AC  | Mollekade 11 3274LN Heinenoord                | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| aD  | Hermannushof 12 3274CE Heinenoord             | 0:49                                 |
| AD  | Boonsweg 55 3274LH Heinenoord                 | 0:00                                 |
| AE  | Dormanstraat 19 3274LK Heinenoord             | 0:00                                 |
| aE  | De Laagjes 24 3274CB Heinenoord               | 0:40                                 |
| AF  | Dormanstraat 35 3274LK Heinenoord             | 0:00                                 |
| aF  | Wouter van den Walestr 42 3274CS Heinenoord   | 0:19                                 |
| aG  | Avenhil 29 3274CT Heinenoord                  | 2:08                                 |
| AG  | Dormanstraat 12 3274LK Heinenoord             | 0:00                                 |
| aH  | Beatrixstraat 50 3274AA Heinenoord            | 0:00                                 |
| AH  | Mollekade 24 A 3274LP Heinenoord              | 0:00                                 |
| AI  | Dormanstraat 21 3274LK Heinenoord             | 0:00                                 |
| aI  | Martin Luther Kingstraat 38 3274CL Heinenoord | 0:41                                 |
| aJ  | Koimansland 34 3274CJ Heinenoord              | 0:29                                 |
| AJ  | de Ruyterstraat 6 B 3274LJ Heinenoord         | 0:00                                 |
| aK  | Martin Luther Kingstraat 20 3274CK Heinenoord | 0:30                                 |
| AK  | Trompstraat 20 3274LT Heinenoord              | 0:00                                 |
| aL  | Spuivelden 1 3274CM Heinenoord                | 0:45                                 |
| AL  | van Galenstraat 11 3274LV Heinenoord          | 0:00                                 |
| aM  | Oranjestraat 22 3274AK Heinenoord             | 0:00                                 |
| AM  | Gorzenweg 2 3274LL Heinenoord                 | 0:00                                 |
| AN  | Mollekade 17 3274LN Heinenoord                | 0:00                                 |
| aN  | Koimansland 15 3274CJ Heinenoord              | 0:34                                 |
| aO  | De Laagjes 34 3274CB Heinenoord               | 0:46                                 |
| AO  | Mollekade 21 3274LN Heinenoord                | 0:00                                 |
| AP  | de Ruyterstraat 10 3274LJ Heinenoord          | 0:00                                 |
| aP  | Boerengorzen 12 3274CV Heinenoord             | 2:17                                 |
| aQ  | Hermannushof 22 3274CE Heinenoord             | 1:02                                 |
| AO  | Mollekade 3 A 3274LN Heinenoord               | 0:00                                 |
| aR  | Prof. Teldersstraat 17 3274CZ Heinenoord      | 2:40                                 |
| AR  | Dormanstraat 31 3274LK Heinenoord             | 0:00                                 |
| AS  | Gorzenweg 1 A 3274LL Heinenoord               | 0:00                                 |
| aS  | Avenhil 31 3274CT Heinenoord                  | 2:08                                 |
| AT  | de Ruyterstraat 4 A 3274LJ Heinenoord         | 0:00                                 |
| aT  | Martin Luther Kingstraat 4 3274CK Heinenoord  | 0:23                                 |
| aU  | Emmastraat 5 3274AC Heinenoord                | 0:00                                 |
| AU  | de Ruyterstraat 6 A 3274LJ Heinenoord         | 0:00                                 |
| aV  | Prof. Teldersstraat 33 3274MC Heinenoord      | 3:18                                 |
| AV  | Mollekade 13 A 3274LN Heinenoord              | 0:00                                 |
| aW  | Abraham Kuyperhof 6 3274CW Heinenoord         | 1:56                                 |
| AW  | Blaaksedijk West 15 3274LD Heinenoord         | 0:00                                 |
| aX  | Prof. Teldersstraat 9 3274CZ Heinenoord       | 2:42                                 |
| AX  | Dormanstraat 25 3274LK Heinenoord             | 0:00                                 |
| AY  | Blaaksedijk West 16 A 3274LE Heinenoord       | 0:00                                 |
| aY  | Andries Woutershof 6 3274CA Heinenoord        | 0:32                                 |
| AZ  | Gorzenweg 1 3274LL Heinenoord                 | 0:00                                 |
| aZ  | Beatrixstraat 25 3274AA Heinenoord            | 0:00                                 |
| B   | Blaaksedijk West 49 3274LD Heinenoord         | 0:00                                 |
| •B  | Achterzeedijk 1 a 28 2991SB Barendrecht       | 0:19                                 |
| bA  | Koimansland 9 3274CJ Heinenoord               | 0:30                                 |
| BA  | Nijverheidsweg 32 3274KJ Heinenoord           | 0:00                                 |
| BB  | Blaaksedijk West 19 3274LD Heinenoord         | 0:00                                 |
| bB  | Avenhil 22 3274CT Heinenoord                  | 1:35                                 |
| BC  | Mollekade 15 3274LN Heinenoord                | 0:00                                 |
| bC  | John F. Kennedystraat 87 3274CG Heinenoord    | 3:28                                 |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord    | 2:43                                 |
| BD  | Trompstraat 10 3274LT Heinenoord              | 0:00                                 |
| BE  | Mollekade 27 3274LN Heinenoord                | 0:00                                 |
| bE  | Irenestraat 17 3274AD Heinenoord              | 0:00                                 |
| BF  | Blaaksedijk West 21 3274LD Heinenoord         | 0:00                                 |
| bF  | Spuivelden 23 3274CM Heinenoord               | 0:57                                 |
| bG  | Kalesland 36 3274CH Heinenoord                | 0:46                                 |
| BG  | Piet Heinstraat 1 3274LR Heinenoord           | 0:00                                 |
| bH  | Koimansland 4 3274CJ Heinenoord               | 0:26                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
|     | BH Mollekade 1 3274LN Heinenoord             | 0:00                                 |
|     | BI de Ruyterstraat 15 3274LJ Heinenoord      | 0:00                                 |
|     | bI Jan de Rooystraat 1 3274NA Heinenoord     | 1:11                                 |
|     | bJ Jan de Rooystraat 3 3274NA Heinenoord     | 1:11                                 |
|     | BJ Blaaksedijk West 14 3274LE Heinenoord     | 0:00                                 |
|     | bK Jan de Rooystraat 5 3274NA Heinenoord     | 1:11                                 |
|     | BK Mollekade 8 3274LP Heinenoord             | 0:00                                 |
|     | BL de Ruyterstraat 2 B 3274LJ Heinenoord     | 0:00                                 |
|     | bL Jan de Rooystraat 7 3274NA Heinenoord     | 1:12                                 |
|     | BM van Galenstraat 4 3274LV Heinenoord       | 0:00                                 |
|     | bM Jan de Rooystraat 9 3274NA Heinenoord     | 1:13                                 |
|     | BN Mollekade 23 A 3274LN Heinenoord          | 0:00                                 |
|     | bN Jan de Rooystraat 11 3274NA Heinenoord    | 1:14                                 |
|     | BO Blaaksedijk West 20 3274LE Heinenoord     | 0:00                                 |
|     | bO Jan de Rooystraat 13 3274NA Heinenoord    | 1:14                                 |
|     | bP Jan de Rooystraat 2 3274NA Heinenoord     | 1:23                                 |
|     | BP Dormanstraat 45 3274LK Heinenoord         | 0:00                                 |
|     | BQ de Ruyterstraat 4 B 3274LJ Heinenoord     | 0:00                                 |
|     | bQ Jan de Rooystraat 4 3274NA Heinenoord     | 1:24                                 |
|     | BR Nijverheidsweg 7 3274KJ Heinenoord        | 0:00                                 |
|     | bR Jan de Rooystraat 6 3274NA Heinenoord     | 1:25                                 |
|     | bS Jan de Rooystraat 8 3274NA Heinenoord     | 1:26                                 |
|     | BS Gorzenweg 9 3274LL Heinenoord             | 0:00                                 |
|     | bT Jan de Rooystraat 10 3274NA Heinenoord    | 1:27                                 |
|     | BT Mollekade 9 3274LN Heinenoord             | 0:00                                 |
|     | BU de Ruyterstraat 14 3274LJ Heinenoord      | 0:00                                 |
|     | bU Jan de Rooystraat 12 3274NA Heinenoord    | 1:27                                 |
|     | BV Boonsweg 69 3274LH Heinenoord             | 0:00                                 |
|     | bV Jan de Rooystraat 14 3274NA Heinenoord    | 1:28                                 |
|     | BW Boonsweg 65 3274LH Heinenoord             | 0:00                                 |
|     | bW Jan de Rooystraat 16 3274NA Heinenoord    | 1:30                                 |
|     | BX Trompstraat 14 3274LT Heinenoord          | 0:00                                 |
|     | bX Arie Jongekrijgstraat 1 3274NB Heinenoord | 1:36                                 |
|     | BY Blaaksedijk West 18 3274LE Heinenoord     | 0:00                                 |
|     | bY Arie Jongekrijgstraat 3 3274NB Heinenoord | 1:35                                 |
|     | BZ van Galenstraat 7 3274LV Heinenoord       | 0:00                                 |
|     | bZ Arie Jongekrijgstraat 5 3274NB Heinenoord | 1:39                                 |
|     | C Blaaksedijk West 34 3274LE Heinenoord      | 0:00                                 |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht      | 0:15                                 |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord   | 1:46                                 |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord         | 0:00                                 |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord   | 1:55                                 |
| CB  | Trompstraat 16 3274LT Heinenoord             | 0:00                                 |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord   | 2:09                                 |
| CC  | Blaaksedijk West 12 3274LE Heinenoord        | 0:00                                 |
| CD  | Boonsweg 14 3274LH Heinenoord                | 0:00                                 |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord   | 2:17                                 |
| CE  | Mollekade 10 3274LP Heinenoord               | 0:00                                 |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord   | 2:28                                 |
| CF  | Gorzenweg 5 3274LL Heinenoord                | 0:00                                 |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord   | 2:39                                 |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord    | 1:46                                 |
| CG  | van Galenstraat 14 3274LV Heinenoord         | 0:00                                 |
| CH  | Trompstraat 22 3274LT Heinenoord             | 0:00                                 |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 1:47                                 |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 1:49                                 |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 0:00                                 |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 1:50                                 |
| CJ  | Mollekade 13 3274LN Heinenoord               | 0:00                                 |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 1:54                                 |
| CK  | Dormanstraat 37 3274LK Heinenoord            | 0:00                                 |
| CL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 1:53                                 |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                           | Name               | Shadow, expected values              |  |
|-------------------------------|--------------------|--------------------------------------|--|
|                               |                    | Shadow hours<br>per year<br>[h/year] |  |
| cM Arie Jongekrijgstraat 14   | 3274NB Heinenoord  | 1:53                                 |  |
| CM Boonsweg 12                | 3274LH Heinenoord  | 0:00                                 |  |
| CN Piet Heinstraat 2          | 3274LR Heinenoord  | 0:00                                 |  |
| cN Arie Jongekrijgstraat 16   | 3274NB Heinenoord  | 1:55                                 |  |
| cO Arie Jongekrijgstraat 18   | 3274NB Heinenoord  | 1:54                                 |  |
| CO Doormanstraat 33           | 3274LK Heinenoord  | 0:00                                 |  |
| CP Piet Heinstraat 3          | 3274LR Heinenoord  | 0:00                                 |  |
| cP Arie Jongekrijgstraat 20   | 3274NB Heinenoord  | 1:56                                 |  |
| cQ Opper Van Treurenstraat 2  | 3274ND Heinenoord  | 2:44                                 |  |
| CQ van Galenstraat 16         | 3274LV Heinenoord  | 0:00                                 |  |
| CR Gorzenweg 7                | 3274LL Heinenoord  | 0:00                                 |  |
| cR Opper Van Treurenstraat 4  | 3274ND Heinenoord  | 2:43                                 |  |
| CS Doormanstraat 27           | 3274LK Heinenoord  | 0:00                                 |  |
| cS Opper Van Treurenstraat 6  | 3274ND Heinenoord  | 2:45                                 |  |
| CT de Ruyterstraat 19         | 3274LJ Heinenoord  | 0:00                                 |  |
| cT Opper Van Treurenstraat 8  | 3274ND Heinenoord  | 2:46                                 |  |
| cU Opper Van Treurenstraat 10 | 3274ND Heinenoord  | 2:46                                 |  |
| CU Trompstraat 12             | 3274LT Heinenoord  | 0:00                                 |  |
| CV Nijverheidsweg 47          | 3274KJ Heinenoord  | 0:00                                 |  |
| cV Opper Van Treurenstraat 12 | 3274ND Heinenoord  | 2:48                                 |  |
| CW Doormanstraat 39           | 3274LK Heinenoord  | 0:00                                 |  |
| cW Opper Van Treurenstraat 14 | 3274ND Heinenoord  | 2:47                                 |  |
| cX Opper Van Treurenstraat 16 | 3274ND Heinenoord  | 2:47                                 |  |
| CX Boonsweg 6                 | 3274LH Heinenoord  | 0:00                                 |  |
| CY Piet Heinstraat 9          | 3274LR Heinenoord  | 0:00                                 |  |
| cY Opper Van Treurenstraat 18 | 3274ND Heinenoord  | 2:49                                 |  |
| cZ Opper Van Treurenstraat 20 | 3274ND Heinenoord  | 2:50                                 |  |
| CZ Nijverheidsweg 8           | 3274KJ Heinenoord  | 0:00                                 |  |
| D Blaaksedijk West 41         | 3274LD Heinenoord  | 0:00                                 |  |
| •D Achtereedijk 1 a 30        | 2991SB Barendrecht | 0:16                                 |  |
| dA Opper Van Treurenstraat 22 | 3274ND Heinenoord  | 2:50                                 |  |
| DA Boonsweg 4                 | 3274LH Heinenoord  | 0:00                                 |  |
| dB Opper Van Treurenstraat 24 | 3274ND Heinenoord  | 2:51                                 |  |
| DB de Ruyterstraat 2 A        | 3274LJ Heinenoord  | 0:00                                 |  |
| dC Opper Van Treurenstraat 26 | 3274ND Heinenoord  | 2:53                                 |  |
| DC van Galenstraat 1          | 3274LV Heinenoord  | 0:00                                 |  |
| DD Mollekade 7                | 3274LN Heinenoord  | 0:00                                 |  |
| dd Opper Van Treurenstraat 28 | 3274ND Heinenoord  | 2:53                                 |  |
| DE Mollekade 4                | 3274LP Heinenoord  | 0:00                                 |  |
| dE Opper Van Treurenstraat 30 | 3274ND Heinenoord  | 2:55                                 |  |
| DF Mollekade 2                | 3274LP Heinenoord  | 0:00                                 |  |
| dF Opper Van Treurenstraat 32 | 3274ND Heinenoord  | 2:55                                 |  |
| dG Opper Van Treurenstraat 34 | 3274ND Heinenoord  | 3:00                                 |  |
| DG van Galenstraat 28         | 3274LV Heinenoord  | 0:00                                 |  |
| DH Mollekade 6                | 3274LP Heinenoord  | 0:00                                 |  |
| dH Opper Van Treurenstraat 36 | 3274ND Heinenoord  | 3:01                                 |  |
| dI Opper Van Treurenstraat 38 | 3274ND Heinenoord  | 3:02                                 |  |
| DI Mollekade 26 C             | 3274LP Heinenoord  | 0:00                                 |  |
| DJ Mollekade 26 A             | 3274LP Heinenoord  | 0:00                                 |  |
| dJ Opper Van Treurenstraat 40 | 3274ND Heinenoord  | 3:04                                 |  |
| DK Nijverheidsweg 36          | 3274KJ Heinenoord  | 0:00                                 |  |
| dk Opper Van Treurenstraat 42 | 3274ND Heinenoord  | 3:05                                 |  |
| DL Doormanstraat 18           | 3274LK Heinenoord  | 0:00                                 |  |
| dL Opper Van Treurenstraat 44 | 3274ND Heinenoord  | 3:08                                 |  |
| dM Opper Van Treurenstraat 46 | 3274ND Heinenoord  | 3:09                                 |  |
| DM de Ruyterstraat 9          | 3274LJ Heinenoord  | 0:00                                 |  |
| DN van Galenstraat 20         | 3274LV Heinenoord  | 0:00                                 |  |
| dN Opper Van Treurenstraat 48 | 3274ND Heinenoord  | 3:13                                 |  |
| DO Mollekade 5                | 3274LN Heinenoord  | 0:00                                 |  |
| dO Opper Van Treurenstraat 50 | 3274ND Heinenoord  | 3:13                                 |  |
| DP Mollekade 25               | 3274LN Heinenoord  | 0:00                                 |  |
| dP Opper Van Treurenstraat 52 | 3274ND Heinenoord  | 3:16                                 |  |
| DQ Blaaksedijk West 17        | 3274LD Heinenoord  | 0:00                                 |  |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 3:18                    |                      |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 0:00                    |                      |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 3:22                    |                      |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 3:23                    |                      |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 0:00                    |                      |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 3:39                    |                      |
| DT  | Mollekade 19 3274LN Heinenoord               | 0:00                    |                      |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 3:59                    |                      |
| DU  | Trompstraat 6 3274LT Heinenoord              | 0:00                    |                      |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 4:08                    |                      |
| DV  | Trompstraat 24 3274LT Heinenoord             | 0:00                    |                      |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 0:00                    |                      |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 4:14                    |                      |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 0:00                    |                      |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 4:16                    |                      |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 0:00                    |                      |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 2:26                    |                      |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 2:26                    |                      |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 0:00                    |                      |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 0:00                    |                      |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 0:18                    |                      |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 2:26                    |                      |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 0:00                    |                      |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 2:27                    |                      |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 0:00                    |                      |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 0:00                    |                      |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 2:28                    |                      |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 0:00                    |                      |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 2:27                    |                      |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 2:29                    |                      |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 0:00                    |                      |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 2:07                    |                      |
| EF  | Mollekade 26 3274LP Heinenoord               | 0:00                    |                      |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 2:14                    |                      |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 0:00                    |                      |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 2:15                    |                      |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 0:00                    |                      |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 2:17                    |                      |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 0:00                    |                      |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 0:00                    |                      |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 2:17                    |                      |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 0:00                    |                      |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 2:17                    |                      |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 2:19                    |                      |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 0:00                    |                      |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 3:04                    |                      |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 0:00                    |                      |
| EN  | Trompstraat 8 3274LT Heinenoord              | 0:00                    |                      |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 2:47                    |                      |
| EO  | Trompstraat 4 3274LT Heinenoord              | 0:00                    |                      |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 2:31                    |                      |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 0:00                    |                      |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 2:19                    |                      |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 2:08                    |                      |
| EQ  | van Galenstraat 13 3274LV Heinenoord         | 0:00                    |                      |
| eR  | Engel de Raatpad 12 3274NC Heinenoord        | 2:01                    |                      |
| ER  | Mollekade 12 3274LP Heinenoord               | 0:00                    |                      |
| eS  | Engel de Raatpad 14 3274NC Heinenoord        | 1:49                    |                      |
| ES  | van Galenstraat 22 3274LV Heinenoord         | 0:00                    |                      |
| ET  | Doormanstraat 29 3274LK Heinenoord           | 0:00                    |                      |
| eT  | Jan van Vlietstraat 1 3274NE Heinenoord      | 3:15                    |                      |
| eU  | Jan van Vlietstraat 3 3274NE Heinenoord      | 3:18                    |                      |
| EU  | Doormanstraat 17 3274LK Heinenoord           | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| eV  | Jan van Vlietstraat 5 3274NE Heinenoord     | 3:23                                 |
| EV  | Doormanstraat 10 3274LK Heinenoord          | 0:00                                 |
| eW  | Jan van Vlietstraat 7 3274NE Heinenoord     | 3:25                                 |
| EW  | Doormanstraat 14 3274LK Heinenoord          | 0:00                                 |
| EX  | Trompstraat 18 3274LT Heinenoord            | 0:00                                 |
| eX  | Jan van Vlietstraat 9 3274NE Heinenoord     | 3:29                                 |
| EY  | van Galenstraat 8 3274LV Heinenoord         | 0:00                                 |
| eY  | Jan van Vlietstraat 19 3274NE Heinenoord    | 5:14                                 |
| eZ  | Jan van Vlietstraat 21 3274NE Heinenoord    | 5:10                                 |
| EZ  | de Ruyterstraat 5 3274LJ Heinenoord         | 0:00                                 |
| F   | Blaaksedijk West 55 3274LD Heinenoord       | 0:00                                 |
| •F  | Achterzeedijk 1 a 32 2991SB Barendrecht     | 0:20                                 |
| FA  | Trompstraat 26 3274LT Heinenoord            | 0:00                                 |
| fA  | Jan van Vlietstraat 23 3274NE Heinenoord    | 5:07                                 |
| FB  | van Galenstraat 24 3274LV Heinenoord        | 0:00                                 |
| fb  | Jan van Vlietstraat 25 3274NE Heinenoord    | 5:01                                 |
| FC  | van Galenstraat 3 3274LV Heinenoord         | 0:00                                 |
| fC  | Jan van Vlietstraat 27 3274NE Heinenoord    | 4:55                                 |
| fD  | Jan van Vlietstraat 29 3274NE Heinenoord    | 4:41                                 |
| FD  | Piet Heinstraat 6 3274LR Heinenoord         | 0:00                                 |
| FE  | Wouter van den Walestr 11 3274CR Heinenoord | 0:24                                 |
| FE  | de Ruyterstraat 13 3274LJ Heinenoord        | 0:00                                 |
| FF  | Mollekade 7 A 3274LN Heinenoord             | 0:00                                 |
| ff  | Wouter van den Walestr 13 3274CR Heinenoord | 0:24                                 |
| fG  | Wouter van den Walestr 15 3274CR Heinenoord | 0:24                                 |
| FG  | Blaaksedijk West 16 3274LE Heinenoord       | 0:00                                 |
| fH  | Wouter van den Walestr 17 3274CR Heinenoord | 0:24                                 |
| FH  | Oosteinde 5 3274KB Heinenoord               | 2:34                                 |
| fl  | Wouter van den Walestr 19 3274CR Heinenoord | 0:24                                 |
| FI  | Oosteinde 11 3274KB Heinenoord              | 1:20                                 |
| FJ  | Oosteinde 1 3274KB Heinenoord               | 1:27                                 |
| fJ  | Wouter van den Walestr 21 3274CR Heinenoord | 0:24                                 |
| FK  | Oosteinde 3 3274KB Heinenoord               | 2:35                                 |
| fK  | Wouter van den Walestr 23 3274CR Heinenoord | 0:24                                 |
| FL  | Oud-Heinenoordseweg 9 3274KD Heinenoord     | 1:32                                 |
| fL  | Wouter van den Walestr 25 3274CR Heinenoord | 0:24                                 |
| fM  | Wouter van den Walestr 27 3274CR Heinenoord | 0:24                                 |
| FM  | Oud-Heinenoordseweg 3 3274KD Heinenoord     | 2:47                                 |
| FN  | Oosteinde 13 3274KB Heinenoord              | 1:16                                 |
| fn  | Wouter van den Walestr 29 3274CR Heinenoord | 0:25                                 |
| fO  | Wouter van den Walestr 31 3274CR Heinenoord | 0:24                                 |
| FO  | Oosteinde 7 3274KB Heinenoord               | 2:09                                 |
| fP  | Wouter van den Walestr 33 3274CR Heinenoord | 0:25                                 |
| FP  | Oosteinde 27 3274KB Heinenoord              | 1:58                                 |
| fQ  | Wouter van den Walestr 35 3274CR Heinenoord | 0:24                                 |
| FQ  | Oud-Heinenoordseweg 8 3274KD Heinenoord     | 0:00                                 |
| FR  | Oosteinde 25 3274KB Heinenoord              | 1:39                                 |
| fr  | Wouter van den Walestr 37 3274CR Heinenoord | 0:25                                 |
| FS  | Oud-Heinenoordseweg 10 3274KD Heinenoord    | 0:00                                 |
| fS  | Wouter van den Walestr 39 3274CR Heinenoord | 0:24                                 |
| FT  | Wouter van den Walestr 41 3274CR Heinenoord | 0:25                                 |
| FT  | Oud-Heinenoordseweg 7 3274KD Heinenoord     | 2:06                                 |
| fU  | Wouter van den Walestr 43 3274CR Heinenoord | 0:24                                 |
| FU  | Oud-Heinenoordseweg 1 3274KD Heinenoord     | 2:22                                 |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord | 0:25                                 |
| FV  | Oosteinde 19 3274KB Heinenoord              | 0:53                                 |
| FW  | Wouter van den Walestr 47 3274CR Heinenoord | 0:25                                 |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord     | 2:28                                 |
| fX  | Dorpsstraat 8 3274BD Heinenoord             | 0:00                                 |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord    | 0:00                                 |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord    | 0:39                                 |
| fY  | Jan van Vlietstraat 11 3274NE Heinenoord    | 3:34                                 |
| FZ  | Oosteinde 17 3274KB Heinenoord              | 1:02                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 3:36                    |                      |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 0:00                    |                      |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 0:17                    |                      |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 0:00                    |                      |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 3:41                    |                      |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 3:44                    |                      |
| GB  | Oosteinde 21 3274KB Heinenoord               | 1:08                    |                      |
| GC  | Oosteinde 9 3274KB Heinenoord                | 1:31                    |                      |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 3:47                    |                      |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 1:04                    |                      |
| gD  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 3:51                    |                      |
| GE  | Oosteinde 31 3274KB Heinenoord               | 2:26                    |                      |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 3:56                    |                      |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 4:02                    |                      |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 0:00                    |                      |
| GG  | Oosteinde 15 3274KB Heinenoord               | 1:09                    |                      |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 1:39                    |                      |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 1:40                    |                      |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 0:30                    |                      |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 1:41                    |                      |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 0:00                    |                      |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 1:36                    |                      |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 1:42                    |                      |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 0:00                    |                      |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 1:59                    |                      |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 0:00                    |                      |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 0:00                    |                      |
| GM  | Oosteinde 29 3274KB Heinenoord               | 1:58                    |                      |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 0:00                    |                      |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 1:43                    |                      |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 1:26                    |                      |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 0:32                    |                      |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 0:02                    |                      |
| gP  | Koedood 17 a 2993AL Barendrecht              | 0:00                    |                      |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 0:00                    |                      |
| gQ  | Koedood 17 2993AL Barendrecht                | 0:00                    |                      |
| GO  | Oosteinde 23 3274KB Heinenoord               | 1:24                    |                      |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 0:00                    |                      |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 1:18                    |                      |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 1:00                    |                      |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 1:55                    |                      |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 6:35                    |                      |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 0:29                    |                      |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 0:00                    |                      |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 1:06                    |                      |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 2:44                    |                      |
| GV  | Avenhil 5 3274CT Heinenoord                  | 1:14                    |                      |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 0:36                    |                      |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 0:37                    |                      |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 0:00                    |                      |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 0:00                    |                      |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 0:00                    |                      |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 1:21                    |                      |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 2:54                    |                      |
| GZ  | Avenhil 37 3274CT Heinenoord                 | 2:05                    |                      |
| H   | Reedijk 1 3274KE Heinenoord                  | 0:00                    |                      |
| •H  | Achterzeedijk 1 a 34 2991SB Barendrecht      | 0:17                    |                      |
| hA  | Achterzeedijk 63 2992SB Barendrecht          | 1:18                    |                      |
| HA  | Hermannushof 14 3274CE Heinenoord            | 0:52                    |                      |
| hb  | Achterzeedijk 67 2992SB Barendrecht          | 1:20                    |                      |
| HB  | Marijkestraat 25 3274AJ Heinenoord           | 0:00                    |                      |
| hc  | Achterzeedijk 38 2992SC Barendrecht          | 2:32                    |                      |
| HC  | Kalesland 3 3274CH Heinenoord                | 0:44                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                         | Name                      | Shadow, expected values |                      |
|-----------------------------|---------------------------|-------------------------|----------------------|
|                             |                           | Shadow hours            | per year<br>[h/year] |
| hD Achterzeedijk            | 47 2992SB Barendrecht     | 1:14                    |                      |
| HD Prof. Teldersstraat      | 35 3274MC Heinenoord      | 3:18                    |                      |
| hE Achterzeedijk            | 39 2992SB Barendrecht     | 3:05                    |                      |
| HE Marijkestraat            | 11 3274AJ Heinenoord      | 0:00                    |                      |
| hF Achterzeedijk            | 41 2992SB Barendrecht     | 3:13                    |                      |
| HF John F. Kennedystraat    | 38 3274CG Heinenoord      | 2:50                    |                      |
| hG Achterzeedijk            | 64 2992SC Barendrecht     | 0:00                    |                      |
| HG Oranjestraat             | 16 3274AK Heinenoord      | 0:00                    |                      |
| hH Achterzeedijk            | 71 2992SB Barendrecht     | 5:26                    |                      |
| HH Boerengorzen             | 10 3274CV Heinenoord      | 2:19                    |                      |
| hI Achterzeedijk            | 59 2992SB Barendrecht     | 0:57                    |                      |
| HI Kalesland                | 78 3274CH Heinenoord      | 0:59                    |                      |
| HJ Margrietstraat           | 18 3274AH Heinenoord      | 0:00                    |                      |
| hJ Achterzeedijk            | 42 2992SC Barendrecht     | 1:16                    |                      |
| HK Martin Luther Kingstraat | 60 3274CL Heinenoord      | 0:59                    |                      |
| hK Achterzeedijk            | 49 2992SB Barendrecht     | 1:05                    |                      |
| hL Achterzeedijk            | 48 2992SC Barendrecht     | 0:28                    |                      |
| HL Talmahof                 | 7 3274CN Heinenoord       | 0:28                    |                      |
| hM Achterzeedijk            | 60 2992SC Barendrecht     | 0:33                    |                      |
| HM Kalesland                | 56 3274CH Heinenoord      | 0:56                    |                      |
| hN Achterzeedijk            | 58 2992SC Barendrecht     | 1:26                    |                      |
| HN Emmastraat               | 22 3274AC Heinenoord      | 0:00                    |                      |
| hO Achterzeedijk            | 61 2992SB Barendrecht     | 0:59                    |                      |
| HO John F. Kennedystraat    | 18 3274CG Heinenoord      | 2:00                    |                      |
| hP Achterzeedijk            | 40 2992SC Barendrecht     | 2:31                    |                      |
| HP Martin Luther Kingstraat | 32 3274CK Heinenoord      | 0:34                    |                      |
| HQ Dreeshof                 | 1 3274CC Heinenoord       | 0:44                    |                      |
| hQ Achterzeedijk            | 61 b 2992SB Barendrecht   | 1:08                    |                      |
| HR Buitelanden              | 8 3274MB Heinenoord       | 4:43                    |                      |
| hR Achterzeedijk            | 56 2992SC Barendrecht     | 0:41                    |                      |
| HS Heyne van Althenastraat  | 14 3274CD Heinenoord      | 0:27                    |                      |
| hS Achterzeedijk            | 73 2992SB Barendrecht     | 6:00                    |                      |
| HT Prof. Teldersstraat      | 11 3274CZ Heinenoord      | 2:39                    |                      |
| hT Achterzeedijk            | 50 2992SC Barendrecht     | 0:37                    |                      |
| hU Gorzenweg                | 10 3274LL Heinenoord      | 0:44                    |                      |
| HU Prof. Teldersstraat      | 16 3274MC Heinenoord      | 3:06                    |                      |
| HV John F. Kennedystraat    | 41 3274CG Heinenoord      | 0:43                    |                      |
| hV Gorzenweg                | 8 3274LL Heinenoord       | 1:18                    |                      |
| hW Mollekade                | 31 3274LN Heinenoord      | 0:00                    |                      |
| HW Rietwaard                | 17 3274MA Heinenoord      | 4:03                    |                      |
| hX Mollekade                | 32 3274LP Heinenoord      | 0:51                    |                      |
| HX Koomansland              | 26 3274CJ Heinenoord      | 0:25                    |                      |
| hY Boonsweg                 | 44 3274LH Heinenoord      | 1:12                    |                      |
| HY Wouter van den Walestr   | 32 3274CR Heinenoord      | 0:00                    |                      |
| HZ Avenhil                  | 14 3274CT Heinenoord      | 1:24                    |                      |
| hZ Gorzenweg                | 6 A 3274LL Heinenoord     | 0:00                    |                      |
| I Reedijk                   | 1 A 3274KE Heinenoord     | 0:00                    |                      |
| •I Achterzeedijk            | 1 a 35 2991SB Barendrecht | 0:18                    |                      |
| IA Avenhil                  | 3 3274CT Heinenoord       | 1:18                    |                      |
| iA Zomerlandseweg           | 9 3274LX Heinenoord       | 0:00                    |                      |
| IB John F. Kennedystraat    | 40 3274CG Heinenoord      | 2:50                    |                      |
| IB Mollekade                | 29 3274LN Heinenoord      | 0:00                    |                      |
| IC Mollekade                | 28 3274LP Heinenoord      | 0:48                    |                      |
| IC Wouter van den Walestr   | 72 3274CS Heinenoord      | 0:20                    |                      |
| ID Dreeshof                 | 9 3274CC Heinenoord       | 0:45                    |                      |
| ID Mollekade                | 39 3274LN Heinenoord      | 0:38                    |                      |
| IE Thorbeckehof             | 1 3274CP Heinenoord       | 1:02                    |                      |
| iE Mollekade                | 41 3274LN Heinenoord      | 0:39                    |                      |
| IF Spuibelden               | 25 3274CM Heinenoord      | 0:55                    |                      |
| IF Mollekade                | 47 3274LN Heinenoord      | 2:06                    |                      |
| iG Mollekade                | 45 3274LN Heinenoord      | 0:40                    |                      |
| IG Wiardi Beckmanhof        | 8 3274CX Heinenoord       | 1:17                    |                      |
| IH Talmahof                 | 4 3274CN Heinenoord       | 0:38                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 0:00                                 |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 1:19                                 |
| iI  | Mollekade 43 3274LN Heinenoord                | 0:38                                 |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 2:03                                 |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 0:00                                 |
| IK  | De Laagjes 12 3274CB Heinenoord               | 0:32                                 |
| IK  | Mollekade 35 3274LN Heinenoord                | 0:36                                 |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 0:00                                 |
| IL  | Talmahof 11 3274CN Heinenoord                 | 0:29                                 |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 1:00                                 |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 2:25                                 |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 3:20                                 |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 0:00                                 |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 0:52                                 |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 0:00                                 |
| IP  | Koimansland 32 3274CJ Heinenoord              | 0:30                                 |
| iP  | Stekkant 40 2993DB Barendrecht                | 0:00                                 |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 2:37                                 |
| iQ  | Stekkant 33 2993DB Barendrecht                | 0:00                                 |
| IR  | Spieringwater 12 2993DM Barendrecht           | 0:00                                 |
| IR  | Kalesland 52 3274CH Heinenoord                | 0:54                                 |
| iS  | Koedood 6 a 2993AL Barendrecht                | 0:00                                 |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 0:38                                 |
| IT  | Avenhil 15 3274CT Heinenoord                  | 1:22                                 |
| iT  | Stekkant 107 2993DB Barendrecht               | 0:00                                 |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 0:00                                 |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 1:17                                 |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 0:00                                 |
| IV  | Kalesland 19 3274CH Heinenoord                | 0:50                                 |
| iW  | Stekkant 2 2993DB Barendrecht                 | 0:00                                 |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 0:00                                 |
| IX  | Müllerhaven 32 2993EA Barendrecht             | 0:00                                 |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 0:35                                 |
| IY  | Oranjestraat 11 B 3274AK Heinenoord           | 0:00                                 |
| iY  | Calandhaven 3 2993HL Barendrecht              | 0:00                                 |
| IZ  | Stekkant 87 2993DB Barendrecht                | 0:00                                 |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 0:56                                 |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 0:00                                 |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 0:20                                 |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 0:42                                 |
| jA  | Meeshaven 5 2993HN Barendrecht                | 0:00                                 |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 3:35                                 |
| jb  | Smithaven 4 2993EC Barendrecht                | 0:00                                 |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 0:00                                 |
| JC  | Emmastraat 11 3274AC Heinenoord               | 0:00                                 |
| JD  | Stekkant 13 2993DB Barendrecht                | 0:00                                 |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 1:15                                 |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 0:20                                 |
| JE  | Kröllerhaven 12 2993ED Barendrecht            | 0:00                                 |
| JF  | Avenhil 9 3274CT Heinenoord                   | 1:10                                 |
| jF  | Stekkant 51 2993DB Barendrecht                | 0:00                                 |
| JG  | De Laagjes 23 3274CB Heinenoord               | 0:38                                 |
| JG  | Zalmwater 143 2993DX Barendrecht              | 0:00                                 |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 0:00                                 |
| JH  | Van Hobokenhaven 43 2993HH Barendrecht        | 0:00                                 |
| JI  | Müllerhaven 70 2993EA Barendrecht             | 0:00                                 |
| JI  | Rietwaard 20 3274MA Heinenoord                | 4:01                                 |
| JJ  | Stekkant 89 2993DB Barendrecht                | 0:00                                 |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 0:00                                 |
| JK  | Müllerhaven 36 2993EA Barendrecht             | 0:00                                 |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 3:06                                 |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 0:46                                 |
| JL  | Stekkant 73 2993DB Barendrecht                | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 0:24                                 |
| JM  | Aalwater 20 2993DD Barendrecht                | 0:00                                 |
| jN  | Stekkant 111 2993DB Barendrecht               | 0:00                                 |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 2:34                                 |
| JO  | Smithaven 6 2993EC Barendrecht                | 0:00                                 |
| JO  | Oosteinde 45 3274KB Heinenoord                | 1:43                                 |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 0:00                                 |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 0:20                                 |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 0:00                                 |
| JQ  | Smithaven 35 2993EC Barendrecht               | 0:00                                 |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 0:29                                 |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 0:00                                 |
| JS  | Stekkant 127 2993DB Barendrecht               | 0:00                                 |
| JS  | Kalesland 32 3274CH Heinenoord                | 0:45                                 |
| jT  | Van Hobokenhoven 61 2993HH Barendrecht        | 0:00                                 |
| JT  | Talmahof 2 3274CN Heinenoord                  | 0:38                                 |
| jU  | Smithaven 18 2993EC Barendrecht               | 0:00                                 |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 0:00                                 |
| jV  | Swarttouwhaven 52 2993HP Barendrecht          | 0:00                                 |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 3:43                                 |
| jW  | Kabbelkant 6 2993DC Barendrecht               | 0:00                                 |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 0:43                                 |
| jX  | Meeshaven 7 2993HN Barendrecht                | 0:00                                 |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 0:00                                 |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 0:46                                 |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 0:00                                 |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 0:00                                 |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 0:00                                 |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 0:00                                 |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 0:18                                 |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 0:00                                 |
| KA  | Talmahof 8 3274CN Heinenoord                  | 0:37                                 |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 0:00                                 |
| KB  | Irenestraat 28 3274AE Heinenoord              | 0:00                                 |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 0:39                                 |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 0:00                                 |
| KD  | Van Hobokenhoven 27 2993HH Barendrecht        | 0:00                                 |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 0:00                                 |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 0:44                                 |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 0:00                                 |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 0:00                                 |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 0:24                                 |
| KG  | Stekkant 147 2993DB Barendrecht               | 0:00                                 |
| KG  | Emmastraat 30 3274AC Heinenoord               | 0:00                                 |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 0:00                                 |
| KH  | Van Hobokenhoven 59 2993HH Barendrecht        | 0:00                                 |
| KI  | Aalwater 4 2993DD Barendrecht                 | 0:00                                 |
| KI  | Emmastraat 32 3274AC Heinenoord               | 0:00                                 |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 0:00                                 |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 0:00                                 |
| KK  | De Laagjes 21 3274CB Heinenoord               | 0:38                                 |
| KK  | Aalwater 19 2993DD Barendrecht                | 0:00                                 |
| KL  | Steurwater 13 2993DE Barendrecht              | 0:00                                 |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 4:09                                 |
| KM  | Irenestraat 3 3274AD Heinenoord               | 0:00                                 |
| KM  | Vederhaven 3 2993EB Barendrecht               | 0:00                                 |
| KN  | Van Hobokenhoven 39 2993HH Barendrecht        | 0:00                                 |
| KN  | Irenestraat 36 3274AE Heinenoord              | 0:00                                 |
| KO  | Emmastraat 20 3274AC Heinenoord               | 0:00                                 |
| KO  | Müllerhaven 8 2993EA Barendrecht              | 0:00                                 |
| KP  | Stekkant 129 2993DB Barendrecht               | 0:00                                 |
| KP  | Oosteinde 41 3274KB Heinenoord                | 2:00                                 |
| KQ  | Stekkant 149 2993DB Barendrecht               | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| KQ  | John F. Kennedystraat 35 3274CG Heinenoord     | 0:39                    |                      |
| KR  | Avenhil 30 3274CT Heinenoord                   | 2:08                    |                      |
| KR  | Smithaven 59 2993EC Barendrecht                | 0:00                    |                      |
| KS  | Ruyshaven 4 2993HM Barendrecht                 | 0:00                    |                      |
| KS  | John F. Kennedystraat 55 3274CG Heinenoord     | 0:59                    |                      |
| KT  | Martin Luther Kingstraat 34 3274CL Heinenoord  | 0:38                    |                      |
| KT  | Swarttouwhaven 10 2993HP Barendrecht           | 0:00                    |                      |
| KU  | Stekkant 109 2993DB Barendrecht                | 0:00                    |                      |
| KU  | Koimansland 6 3274CJ Heinenoord                | 0:25                    |                      |
| KV  | Boerengorzen 8 3274CV Heinenoord               | 2:16                    |                      |
| KV  | Müllerhaven 42 2993EA Barendrecht              | 0:00                    |                      |
| kW  | Müllerhaven 48 2993EA Barendrecht              | 0:00                    |                      |
| KW  | Margrietstraat 20 3274AH Heinenoord            | 0:00                    |                      |
| KX  | Dorpsstraat 1 A 3274BB Heinenoord              | 0:58                    |                      |
| KX  | Kröllerhaven 53 2993ED Barendrecht             | 0:00                    |                      |
| KY  | Stekkant 57 2993DB Barendrecht                 | 0:00                    |                      |
| KY  | John F. Kennedystraat 5 3274CG Heinenoord      | 0:25                    |                      |
| KZ  | Kalesland 72 3274CH Heinenoord                 | 1:03                    |                      |
| KZ  | Kröllerhaven 23 2993ED Barendrecht             | 0:00                    |                      |
| L   | Reedijk 2 3274KE Heinenoord                    | 0:00                    |                      |
| •L  | Achterzeedijk 1 a 38 2991SB Barendrecht        | 0:20                    |                      |
| LA  | John F. Kennedystraat 67 3274CG Heinenoord     | 1:51                    |                      |
| IA  | Ruyshaven 8 2993HM Barendrecht                 | 0:00                    |                      |
| LB  | Wouter van den Walestraat 28 3274CR Heinenoord | 0:00                    |                      |
| IB  | Swarttouwhaven 44 2993HP Barendrecht           | 0:00                    |                      |
| IC  | Müllerhaven 56 2993EA Barendrecht              | 0:00                    |                      |
| LC  | Dreeshof 11 3274CC Heinenoord                  | 0:44                    |                      |
| LD  | John F. Kennedystraat 22 3274CG Heinenoord     | 2:05                    |                      |
| ID  | Stekkant 22 2993DB Barendrecht                 | 0:00                    |                      |
| LE  | Kalesland 18 3274CH Heinenoord                 | 0:39                    |                      |
| IE  | Meeshaven 2 2993HN Barendrecht                 | 0:00                    |                      |
| IF  | Aalwater 14 2993DD Barendrecht                 | 0:00                    |                      |
| LF  | Koimansland 18 3274CJ Heinenoord               | 0:22                    |                      |
| IG  | Stekkant 55 2993DB Barendrecht                 | 0:00                    |                      |
| LG  | Boerengorzen 4 3274CV Heinenoord               | 2:17                    |                      |
| LH  | Julianastraat 40 3274AG Heinenoord             | 0:00                    |                      |
| IH  | Stekkant 77 2993DB Barendrecht                 | 0:00                    |                      |
| II  | Stekkant 115 2993DB Barendrecht                | 0:00                    |                      |
| LI  | John F. Kennedystraat 13 3274CG Heinenoord     | 0:24                    |                      |
| IJ  | Kröllerhaven 37 2993ED Barendrecht             | 0:00                    |                      |
| LJ  | Rietwaard 24 3274MA Heinenoord                 | 4:49                    |                      |
| IK  | Kröllerhaven 39 2993ED Barendrecht             | 0:00                    |                      |
| LK  | Heyne van Althenastraat 30 3274CD Heinenoord   | 0:43                    |                      |
| LL  | Kalesland 7 3274CH Heinenoord                  | 0:44                    |                      |
| IL  | Swarttouwhaven 30 2993HP Barendrecht           | 0:00                    |                      |
| LM  | Julianastraat 46 3274AG Heinenoord             | 0:00                    |                      |
| IM  | Stekkant 19 2993DB Barendrecht                 | 0:00                    |                      |
| LN  | Marikkestraat 1 B 3274AJ Heinenoord            | 0:00                    |                      |
| IN  | Stekkant 12 2993DB Barendrecht                 | 0:00                    |                      |
| IO  | Müllerhaven 24 2993EA Barendrecht              | 0:00                    |                      |
| LO  | Irenestraat 10 3274AE Heinenoord               | 0:00                    |                      |
| IP  | Spieringwater 8 2993DM Barendrecht             | 0:00                    |                      |
| LP  | Wiardi Beckmanhof 7 3274CX Heinenoord          | 1:18                    |                      |
| IQ  | Kröllerhaven 51 2993ED Barendrecht             | 0:00                    |                      |
| LQ  | Spuivelden 8 3274CM Heinenoord                 | 0:57                    |                      |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord       | 3:18                    |                      |
| IR  | Kabbelkant 2 2993DC Barendrecht                | 0:00                    |                      |
| IS  | Stekkant 10 2993DB Barendrecht                 | 0:00                    |                      |
| LS  | Beatrixstraat 34 3274AA Heinenoord             | 0:00                    |                      |
| LT  | Marijkestraat 2 3274AJ Heinenoord              | 0:00                    |                      |
| IT  | Swarttouwhaven 20 2993HP Barendrecht           | 0:00                    |                      |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord  | 0:27                    |                      |
| IU  | Kabbelkant 8 2993DC Barendrecht                | 0:00                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| IV  | Koedood 8 2993AL Barendrecht                | 0:00                                 |
| LV  | Rietwaard 5 3274MA Heinenoord               | 3:22                                 |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord | 0:28                                 |
| IW  | Kröllerhaven 41 2993ED Barendrecht          | 0:00                                 |
| LX  | Rietwaard 6 3274MA Heinenoord               | 2:58                                 |
| IX  | Stekkant 63 2993DB Barendrecht              | 0:00                                 |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord  | 2:42                                 |
| IY  | Stekkant 101 2993DB Barendrecht             | 0:00                                 |
| LZ  | Avenhil 36 3274CT Heinenoord                | 1:43                                 |
| IZ  | Stekkant 1 2993DB Barendrecht               | 0:00                                 |
| M   | Reedijk 3 3274KE Heinenoord                 | 0:00                                 |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht     | 0:21                                 |
| MA  | Irenestraat 26 3274AE Heinenoord            | 0:00                                 |
| mA  | Müllerhaven 58 2993EA Barendrecht           | 0:00                                 |
| mB  | Stekkant 15 2993DB Barendrecht              | 0:00                                 |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord     | 2:42                                 |
| mC  | Müllerhaven 12 2993EA Barendrecht           | 0:00                                 |
| MC  | Oranjestraat 26 3274AK Heinenoord           | 0:00                                 |
| mD  | Stekkant 133 2993DB Barendrecht             | 0:00                                 |
| MD  | Avenhil 23 3274CT Heinenoord                | 1:34                                 |
| mE  | Aalwater 13 2993DD Barendrecht              | 0:00                                 |
| ME  | Dorpsstraat 1 3274BB Heinenoord             | 0:36                                 |
| mF  | Swarttouwhaven 24 2993HP Barendrecht        | 0:00                                 |
| MF  | Kalesland 58 3274CH Heinenoord              | 1:00                                 |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord | 0:19                                 |
| mG  | Stekkant 37 2993DB Barendrecht              | 0:00                                 |
| mh  | Kabbelkant 4 2993DC Barendrecht             | 0:00                                 |
| MH  | Irenestraat 48 3274AE Heinenoord            | 0:00                                 |
| MI  | Avenhil 13 3274CT Heinenoord                | 1:26                                 |
| mI  | Steurwater 5 2993DE Barendrecht             | 0:00                                 |
| mJ  | Vederhaven 11 2993EB Barendrecht            | 0:00                                 |
| MJ  | Kalesland 1 3274CH Heinenoord               | 0:43                                 |
| mK  | Swarttouwhaven 48 2993HP Barendrecht        | 0:00                                 |
| MK  | Koomansland 5 3274CJ Heinenoord             | 0:30                                 |
| ML  | Margrietstraat 9 3274AH Heinenoord          | 0:00                                 |
| ml  | Stekkant 153 2993DB Barendrecht             | 0:00                                 |
| MM  | Emmastraat 16 3274AC Heinenoord             | 0:00                                 |
| mm  | Stekkant 24 2993DB Barendrecht              | 0:00                                 |
| MN  | Irenestraat 1 3274AD Heinenoord             | 0:00                                 |
| mN  | Stekkant 16 2993DB Barendrecht              | 0:00                                 |
| mO  | Stekkant 14 2993DB Barendrecht              | 0:00                                 |
| MO  | Avenhil 10 3274CT Heinenoord                | 1:11                                 |
| MP  | Spuivelden 15 3274CM Heinenoord             | 0:57                                 |
| mP  | Smithaven 2 2993EC Barendrecht              | 0:00                                 |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord      | 1:29                                 |
| mQ  | Aalwater 8 2993DD Barendrecht               | 0:00                                 |
| MR  | Talmahof 9 3274CN Heinenoord                | 0:29                                 |
| mR  | Stekkant 53 2993DB Barendrecht              | 0:00                                 |
| mS  | Smithaven 43 2993EC Barendrecht             | 0:00                                 |
| MS  | Beatrixstraat 48 3274AA Heinenoord          | 0:00                                 |
| mT  | Müllerhaven 72 2993EA Barendrecht           | 0:00                                 |
| MT  | De Laagjes 26 3274CB Heinenoord             | 0:41                                 |
| MU  | Bernhardstraat 6 3274AB Heinenoord          | 0:00                                 |
| mU  | Smithaven 14 2993EC Barendrecht             | 0:00                                 |
| MV  | Wiardi Beckmanhof 11 3274CX Heinenoord      | 1:21                                 |
| mV  | Van Hobokenhaven 45 2993HH Barendrecht      | 0:00                                 |
| mW  | Stekkant 48 2993DB Barendrecht              | 0:00                                 |
| MW  | Julianalaan 42 3274AG Heinenoord            | 0:00                                 |
| MX  | De Laagjes 22 3274CB Heinenoord             | 0:40                                 |
| mX  | Stekkant 75 2993DB Barendrecht              | 0:00                                 |
| mY  | Stekkant 91 2993DB Barendrecht              | 0:00                                 |
| MY  | Koomansland 13 3274CJ Heinenoord            | 0:34                                 |
| mZ  | Aalwater 18 2993DD Barendrecht              | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                            | Name                 | Shadow, expected values              |
|--------------------------------|----------------------|--------------------------------------|
|                                |                      | Shadow hours<br>per year<br>[h/year] |
| MZ Kalesland 46                | 3274CH Heinenoord    | 0:51                                 |
| N Blaaksedijk West             | 31 3274LD Heinenoord | 0:00                                 |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht   | 0:22                                 |
| NA Spuivelden 9                | 3274CM Heinenoord    | 0:45                                 |
| nA Aalwater 16                 | 2993DD Barendrecht   | 0:00                                 |
| nB Steekkant 17                | 2993DB Barendrecht   | 0:00                                 |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord    | 0:43                                 |
| NC Irenestraat 20              | 3274AE Heinenoord    | 0:00                                 |
| nC Zalmwater 155               | 2993DX Barendrecht   | 0:00                                 |
| ND Oranjestraat 31             | 3274AK Heinenoord    | 0:00                                 |
| nD Müllerhaven 60              | 2993EA Barendrecht   | 0:00                                 |
| nE Swarttouwhaven 18           | 2993HP Barendrecht   | 0:00                                 |
| NE Kalesland 28                | 3274CH Heinenoord    | 0:44                                 |
| nF Zalmwater 151               | 2993DX Barendrecht   | 0:00                                 |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord    | 0:53                                 |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord    | 3:35                                 |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht   | 0:00                                 |
| nH Smithaven 33                | 2993EC Barendrecht   | 0:00                                 |
| NH Dorpsstraat 7               | 3274BB Heinenoord    | 0:00                                 |
| nI Müllerhaven 4               | 2993EA Barendrecht   | 0:00                                 |
| NI Kalesland 64                | 3274CH Heinenoord    | 1:00                                 |
| nJ Smithaven 39                | 2993EC Barendrecht   | 0:00                                 |
| NJ Andries Woutershof 8        | 3274CA Heinenoord    | 0:33                                 |
| NK Beatrixstraat 23            | 3274AA Heinenoord    | 0:00                                 |
| nK Müllerhaven 10              | 2993EA Barendrecht   | 0:00                                 |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord    | 2:42                                 |
| nL Steekkant 131               | 2993DB Barendrecht   | 0:00                                 |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht   | 0:00                                 |
| NM Oosteinde 24                | 3274KC Heinenoord    | 2:28                                 |
| nN Steekkant 23                | 2993DB Barendrecht   | 0:00                                 |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord    | 2:43                                 |
| NO Kooimansland 1              | 3274CJ Heinenoord    | 0:30                                 |
| nO Steekkant 50                | 2993DB Barendrecht   | 0:00                                 |
| NP Buitenlanden 21             | 3274MB Heinenoord    | 3:58                                 |
| nP Steekkant 20                | 2993DB Barendrecht   | 0:00                                 |
| nQ Müllerhaven 64              | 2993EA Barendrecht   | 0:00                                 |
| NO Marijkestraat 9             | 3274AJ Heinenoord    | 0:00                                 |
| nR Kröllerhaven 15             | 2993ED Barendrecht   | 0:00                                 |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord    | 2:35                                 |
| nS Steekkant 79                | 2993DB Barendrecht   | 0:00                                 |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord    | 2:53                                 |
| NT Kalesland 6                 | 3274CH Heinenoord    | 0:35                                 |
| nT Steekkant 35                | 2993DB Barendrecht   | 0:00                                 |
| nU Kröllerhaven 33             | 2993ED Barendrecht   | 0:00                                 |
| NU Kooimansland 2              | 3274CJ Heinenoord    | 0:25                                 |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord    | 2:09                                 |
| nV Swarttouwhaven 38           | 2993HP Barendrecht   | 0:00                                 |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord    | 0:32                                 |
| nW Kabbelkant 16               | 2993DC Barendrecht   | 0:00                                 |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht   | 0:00                                 |
| NX Oosteinde 16                | 3274KC Heinenoord    | 3:53                                 |
| NY Irenestraat 19              | 3274AD Heinenoord    | 0:00                                 |
| nY Meeshaven 18                | 2993HN Barendrecht   | 0:00                                 |
| NZ Bernhardstraat 4            | 3274AB Heinenoord    | 0:00                                 |
| nZ Ruyshaven 7                 | 2993HM Barendrecht   | 0:00                                 |
| •O Blaaksedijk West 32         | 3274LE Heinenoord    | 0:00                                 |
| O Achterzeedijk 1 a 41         | 2991SB Barendrecht   | 0:20                                 |
| OA Boerengorzen 2              | 3274CV Heinenoord    | 2:20                                 |
| oA Müllerhaven 62              | 2993EA Barendrecht   | 0:00                                 |
| oB Smithaven 27                | 2993EC Barendrecht   | 0:00                                 |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord    | 0:22                                 |
| oC Aalwater 21                 | 2993DD Barendrecht   | 0:00                                 |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord    | 2:55                                 |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| oD  | Swarttouwhaven 56 2993HP Barendrecht          | 0:00                                 |
| OD  | Irenestraat 44 3274AE Heinenoord              | 0:00                                 |
| OE  | Kalesland 22 3274CH Heinenoord                | 0:40                                 |
| oE  | Van Hobokenhaven 21 2993HH Barendrecht        | 0:00                                 |
| OF  | Marijkestraat 4 3274AJ Heinenoord             | 0:00                                 |
| oF  | Kröllerhaven 27 2993ED Barendrecht            | 0:00                                 |
| OG  | Wiardi Beckmanhof 1 3274CX Heinenoord         | 1:17                                 |
| oG  | Kröllerhaven 19 2993ED Barendrecht            | 0:00                                 |
| OH  | Emmastraat 2 F 3274AC Heinenoord              | 0:00                                 |
| oH  | Ruyshaven 2 2993HM Barendrecht                | 0:00                                 |
| OI  | Koomansland 22 3274CJ Heinenoord              | 0:23                                 |
| ol  | Koedood 2 b 2993AL Barendrecht                | 0:00                                 |
| OJ  | Prof. Teldersstraat 26 3274MC Heinenoord      | 3:23                                 |
| oj  | Swarttouwhaven 60 2993HP Barendrecht          | 0:00                                 |
| OK  | Avenhil 12 3274CT Heinenoord                  | 1:16                                 |
| oK  | Müllerhaven 28 2993EA Barendrecht             | 0:00                                 |
| ol  | Spieringwater 14 2993DM Barendrecht           | 0:00                                 |
| OL  | Martin Luther Kingstraat 46 3274CL Heinenoord | 0:46                                 |
| oM  | Aalwater 7 2993DD Barendrecht                 | 0:00                                 |
| OM  | Heyne van Althenastraat 10 3274CD Heinenoord  | 0:26                                 |
| oN  | Stekkant 34 2993DB Barendrecht                | 0:00                                 |
| ON  | Rietwaard 10 3274MA Heinenoord                | 3:04                                 |
| oO  | Stekkant 61 2993DB Barendrecht                | 0:00                                 |
| OO  | Martin Luther Kingstraat 62 3274CL Heinenoord | 1:00                                 |
| OP  | Avenhil 40 3274CT Heinenoord                  | 1:34                                 |
| oP  | Stekkant 167 2993DB Barendrecht               | 0:00                                 |
| OQ  | Emmastraat 28 3274AC Heinenoord               | 0:00                                 |
| oQ  | Van Hobokenhaven 57 2993HH Barendrecht        | 0:00                                 |
| oR  | Stekkant 159 2993DB Barendrecht               | 0:00                                 |
| OR  | Avenhil 16 3274CT Heinenoord                  | 1:19                                 |
| OS  | Irenestraat 46 3274AE Heinenoord              | 0:00                                 |
| oS  | Kröllerhaven 21 2993ED Barendrecht            | 0:00                                 |
| oT  | Ruyshaven 6 2993HM Barendrecht                | 0:00                                 |
| OT  | Kalesland 5 3274CH Heinenoord                 | 0:44                                 |
| OU  | Oranjestraat 29 3274AK Heinenoord             | 0:00                                 |
| oU  | Koedood 18 2993AL Barendrecht                 | 0:00                                 |
| OV  | Prof. Teldersstraat 49 3274MC Heinenoord      | 3:38                                 |
| oV  | Van Hobokenhaven 67 2993HH Barendrecht        | 0:00                                 |
| oW  | Swarttouwhaven 54 2993HP Barendrecht          | 0:00                                 |
| OW  | Irenestraat 16 3274AE Heinenoord              | 0:00                                 |
| oX  | Kabbelkant 10 2993DC Barendrecht              | 0:00                                 |
| OX  | De Laagjes 16 3274CB Heinenoord               | 0:35                                 |
| oY  | Smithaven 8 2993EC Barendrecht                | 0:00                                 |
| OY  | Wouter van den Walestr 52 3274CS Heinenoord   | 0:20                                 |
| oZ  | Müllerhaven 26 2993EA Barendrecht             | 0:00                                 |
| OZ  | Martin Luther Kingstraat 24 3274CK Heinenoord | 0:32                                 |
| P   | Blaaksedijk West 33 3274LD Heinenoord         | 0:00                                 |
| •P  | Achterzeedijk 1 a 42 2991SB Barendrecht       | 0:21                                 |
| PA  | Wouter van den Walestr 76 3274CS Heinenoord   | 0:20                                 |
| pA  | Stekkant 163 2993DB Barendrecht               | 0:00                                 |
| pB  | Stekkant 93 2993DB Barendrecht                | 0:00                                 |
| PB  | Avenhil 20 3274CT Heinenoord                  | 1:33                                 |
| PC  | Martin Luther Kingstraat 10 3274CK Heinenoord | 0:26                                 |
| pC  | Van Hobokenhaven 23 2993HH Barendrecht        | 0:00                                 |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 0:00                                 |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 0:00                                 |
| pE  | Stekkant 32 2993DB Barendrecht                | 0:00                                 |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 3:39                                 |
| pF  | Stekkant 99 2993DB Barendrecht                | 0:00                                 |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 2:36                                 |
| pG  | Smithaven 10 2993EC Barendrecht               | 0:00                                 |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 1:23                                 |
| pH  | Aalwater 1 2993DD Barendrecht                 | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoopte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                            | Name               | Shadow, expected values              |
|--------------------------------|--------------------|--------------------------------------|
|                                |                    | Shadow hours<br>per year<br>[h/year] |
| PH Rietwaard 2                 | 3274MA Heinenoord  | 2:57                                 |
| PI Abraham Kuyperhof 3         | 3274CW Heinenoord  | 2:01                                 |
| pI Steekkant 161               | 2993DB Barendrecht | 0:00                                 |
| pJ Kröllerhaven 2              | 2993ED Barendrecht | 0:00                                 |
| PJ Irenestraat 7               | 3274AD Heinenoord  | 0:00                                 |
| pK Smithaven 21                | 2993EC Barendrecht | 0:00                                 |
| PK Prof. Teldersstraat 6       | 3274MC Heinenoord  | 3:06                                 |
| PL Kalesland 10                | 3274CH Heinenoord  | 0:35                                 |
| pL Müllerhaven 18              | 2993EA Barendrecht | 0:00                                 |
| PM Avenhil 6                   | 3274CT Heinenoord  | 1:10                                 |
| pM Steekkant 139               | 2993DB Barendrecht | 0:00                                 |
| pN Zalmwater 139               | 2993DX Barendrecht | 0:00                                 |
| PN John F. Kennedystraat 28    | 3274CG Heinenoord  | 2:37                                 |
| pO Kröllerhaven 47             | 2993ED Barendrecht | 0:00                                 |
| PO Kalesland 26                | 3274CH Heinenoord  | 0:42                                 |
| pP Steekkant 9                 | 2993DB Barendrecht | 0:00                                 |
| PP Prof. Teldersstraat 10      | 3274MC Heinenoord  | 3:06                                 |
| PQ De Laagjes 7                | 3274CB Heinenoord  | 0:32                                 |
| pQ Aalwater 9                  | 2993DD Barendrecht | 0:00                                 |
| PR Hermannushof 10             | 3274CE Heinenoord  | 0:48                                 |
| pR Steekkant 95                | 2993DB Barendrecht | 0:00                                 |
| pS Swarttouwhaven 12           | 2993HP Barendrecht | 0:00                                 |
| PS Andries Woutershof 18       | 3274CA Heinenoord  | 0:38                                 |
| pT Smithaven 25                | 2993EC Barendrecht | 0:00                                 |
| PT Wouter van den Walestr 30   | 3274CR Heinenoord  | 0:00                                 |
| PU Heyne van Althenastraat 40  | 3274CD Heinenoord  | 0:57                                 |
| pU Swarttouwhaven 16           | 2993HP Barendrecht | 0:00                                 |
| pV Smithaven 23                | 2993EC Barendrecht | 0:00                                 |
| PV Irenestraat 12              | 3274AE Heinenoord  | 0:00                                 |
| pW Steekkant 28                | 2993DB Barendrecht | 0:00                                 |
| PW Martin Luther Kingstraat 70 | 3274CL Heinenoord  | 1:06                                 |
| pX Müllerhaven 74              | 2993EA Barendrecht | 0:00                                 |
| PX John F. Kennedystraat 21    | 3274CG Heinenoord  | 0:28                                 |
| pY Steekkant 5                 | 2993DB Barendrecht | 0:00                                 |
| PY Prof. Teldersstraat 20      | 3274MC Heinenoord  | 3:03                                 |
| PZ Beatrixstraat 52            | 3274AA Heinenoord  | 0:00                                 |
| pZ Van Hobokenhaven 49         | 2993HH Barendrecht | 0:00                                 |
| Q Blaaksedijk West 47          | 3274LD Heinenoord  | 0:00                                 |
| •Q Achterzeedijk 1 a 43        | 2991SB Barendrecht | 0:22                                 |
| qA Müllerhaven 80              | 2993EA Barendrecht | 0:00                                 |
| QA Oosteinde 6                 | 3274KC Heinenoord  | 2:47                                 |
| QB Kooimansland 12             | 3274CJ Heinenoord  | 0:24                                 |
| qb Steekkant 6                 | 2993DB Barendrecht | 0:00                                 |
| QC Beatrixstraat 36            | 3274AA Heinenoord  | 0:00                                 |
| qc Steekkant 25                | 2993DB Barendrecht | 0:00                                 |
| QD Avenhil 11                  | 3274CT Heinenoord  | 1:10                                 |
| qd Smithaven 51                | 2993EC Barendrecht | 0:00                                 |
| QE De Laagjes 17               | 3274CB Heinenoord  | 0:38                                 |
| qe Müllerhaven 22              | 2993EA Barendrecht | 0:00                                 |
| qF Steekkant 143               | 2993DB Barendrecht | 0:00                                 |
| QF Marijkestraat 7             | 3274AJ Heinenoord  | 0:00                                 |
| qG Swarttouwhaven 14           | 2993HP Barendrecht | 0:00                                 |
| QG Avenhil 34                  | 3274CT Heinenoord  | 1:37                                 |
| qH Steekkant 7                 | 2993DB Barendrecht | 0:00                                 |
| QH Kooimansland 14             | 3274CJ Heinenoord  | 0:25                                 |
| QI Irenestraat 13              | 3274AD Heinenoord  | 0:00                                 |
| qi Steekkant 45                | 2993DB Barendrecht | 0:00                                 |
| QJ Martin Luther Kingstraat 68 | 3274CL Heinenoord  | 1:06                                 |
| qj Koedood 25                  | 2993AL Barendrecht | 0:00                                 |
| QK Prof. Teldersstraat 13      | 3274CZ Heinenoord  | 2:42                                 |
| qK Steekkant 47                | 2993DB Barendrecht | 0:00                                 |
| QL Andries Woutershof 24       | 3274CA Heinenoord  | 0:39                                 |
| ql Aalwater 10                 | 2993DD Barendrecht | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht       | 0:00                                 |
| QM  | De Laagjes 19 3274CB Heinenoord              | 0:38                                 |
| QN  | Kalesland 38 3274CH Heinenoord               | 0:46                                 |
| qn  | Müllerhaven 46 2993EA Barendrecht            | 0:00                                 |
| qO  | Müllerhaven 68 2993EA Barendrecht            | 0:00                                 |
| QO  | Marijkestraat 21 3274AJ Heinenoord           | 0:00                                 |
| qP  | Steurwater 1 2993DE Barendrecht              | 0:00                                 |
| QP  | De Laagjes 4 3274CB Heinenoord               | 0:27                                 |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord   | 0:28                                 |
| qQ  | Koedood 6 2993AL Barendrecht                 | 0:00                                 |
| qR  | Zalmwater 157 2993DX Barendrecht             | 0:00                                 |
| QR  | Bernhardstraat 3 3274AB Heinenoord           | 0:00                                 |
| qS  | Spieringwater 4 2993DM Barendrecht           | 0:00                                 |
| QS  | Oosteinde 37 3274KB Heinenoord               | 2:35                                 |
| QT  | De Laagjes 28 3274CB Heinenoord              | 0:43                                 |
| qT  | Spieringwater 10 2993DM Barendrecht          | 0:00                                 |
| QU  | Thorbeckehof 3 3274CP Heinenoord             | 1:03                                 |
| qU  | Spieringwater 2 2993DM Barendrecht           | 0:00                                 |
| qV  | Stekkant 54 2993DB Barendrecht               | 0:00                                 |
| QV  | De Laagjes 20 3274CB Heinenoord              | 0:38                                 |
| QW  | Buitelanden 4 3274MB Heinenoord              | 4:47                                 |
| qW  | Swarttouwhaven 62 2993HP Barendrecht         | 0:00                                 |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord       | 1:29                                 |
| qX  | Steurwater 11 2993DE Barendrecht             | 0:00                                 |
| QY  | Emmastraat 2 E 3274AC Heinenoord             | 0:00                                 |
| qY  | Swarttouwhaven 36 2993HP Barendrecht         | 0:00                                 |
| qZ  | Kabbelkant 14 2993DC Barendrecht             | 0:00                                 |
| QZ  | Koomansland 8 3274CJ Heinenoord              | 0:25                                 |
| R   | Blaaksedijk West 24 3274LE Heinenoord        | 0:00                                 |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht      | 0:24                                 |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord   | 0:38                                 |
| rA  | Stekkant 41 2993DB Barendrecht               | 0:00                                 |
| rB  | Stekkant 81 2993DB Barendrecht               | 0:00                                 |
| RB  | Boerengorzen 3 3274CV Heinenoord             | 2:36                                 |
| RC  | Kalesland 70 3274CH Heinenoord               | 1:02                                 |
| rC  | Koedood 14 2993AL Barendrecht                | 0:00                                 |
| rD  | Müllerhaven 40 2993EA Barendrecht            | 0:00                                 |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord       | 2:20                                 |
| rE  | Aalwater 11 2993DD Barendrecht               | 0:00                                 |
| RE  | Avenhil 28 3274CT Heinenoord                 | 2:03                                 |
| rF  | Smithaven 37 2993EC Barendrecht              | 0:00                                 |
| RF  | Oosteinde 22 3274KC Heinenoord               | 2:44                                 |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht       | 0:00                                 |
| RG  | Andries Woutershof 16 3274CA Heinenoord      | 0:38                                 |
| rH  | Aalwater 15 2993DD Barendrecht               | 0:00                                 |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord     | 3:38                                 |
| rI  | Stekkant 85 2993DB Barendrecht               | 0:00                                 |
| RI  | Emmastraat 34 3274AC Heinenoord              | 0:00                                 |
| rJ  | Zalmwater 141 2993DX Barendrecht             | 0:00                                 |
| RJ  | Oranjestraat 23 3274AK Heinenoord            | 0:00                                 |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord   | 3:32                                 |
| rK  | Smithaven 12 2993EC Barendrecht              | 0:00                                 |
| rL  | Stekkant 44 2993DB Barendrecht               | 0:00                                 |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord | 0:26                                 |
| RM  | Oranjestraat 17 3274AK Heinenoord            | 0:00                                 |
| rM  | Stekkant 4 2993DB Barendrecht                | 0:00                                 |
| RN  | Buitelanden 13 3274MB Heinenoord             | 3:59                                 |
| rN  | Van Hobokenhaven 37 2993HH Barendrecht       | 0:00                                 |
| RO  | Bernhardstraat 2 3274AB Heinenoord           | 0:00                                 |
| rO  | Van Hobokenhaven 19 2993HH Barendrecht       | 0:00                                 |
| RP  | Buitelanden 17 3274MB Heinenoord             | 4:01                                 |
| rP  | Calandhaven 1 2993HL Barendrecht             | 0:00                                 |
| rQ  | Koedood 22 2993AL Barendrecht                | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| RQ  | Marijkestraat 1 C 3274AJ Heinenoord           | 0:00                                 |
| RR  | Irenestraat 40 3274AE Heinenoord              | 0:00                                 |
| rR  | Aalwater 2 2993DD Barendrecht                 | 0:00                                 |
| rS  | Stekkant 103 2993DB Barendrecht               | 0:00                                 |
| RS  | Bernhardstraat 16 3274AB Heinenoord           | 0:00                                 |
| RT  | Buitelanden 12 3274MB Heinenoord              | 4:33                                 |
| rT  | Aalwater 5 2993DD Barendrecht                 | 0:00                                 |
| rU  | Kröllerhaven 31 2993ED Barendrecht            | 0:00                                 |
| RU  | Wouter van den Walestr 26 3274CR Heinenoord   | 0:00                                 |
| rV  | Smithaven 53 2993EC Barendrecht               | 0:00                                 |
| RV  | Boerengorzen 9 3274CV Heinenoord              | 2:36                                 |
| rW  | Müllerhaven 30 2993EA Barendrecht             | 0:00                                 |
| RW  | Emmastraat 3 3274AC Heinenoord                | 0:00                                 |
| rX  | Swarttouwhaven 58 2993HP Barendrecht          | 0:00                                 |
| RX  | De Laagjes 2 3274CB Heinenoord                | 0:27                                 |
| rY  | Vederhaven 15 2993EB Barendrecht              | 0:00                                 |
| RY  | Koimansland 28 3274CJ Heinenoord              | 0:26                                 |
| rZ  | Smithaven 57 2993EC Barendrecht               | 0:00                                 |
| RZ  | Prof. Teldersstraat 31 3274MC Heinenoord      | 3:15                                 |
| S   | Reedijk 3 A 3274KE Heinenoord                 | 0:00                                 |
| •S  | Achterzeedijk 1 a 45 2991SB Barendrecht       | 0:22                                 |
| sA  | Swarttouwhaven 26 2993HP Barendrecht          | 0:00                                 |
| SA  | Wouter van den Walestr 18 3274CR Heinenoord   | 0:00                                 |
| SB  | Oranjestraat 15 3274AK Heinenoord             | 0:00                                 |
| sB  | Smithaven 29 2993EC Barendrecht               | 0:00                                 |
| SC  | Heyne van Althenastraat 26 3274CD Heinenoord  | 0:35                                 |
| sC  | Stekkant 145 2993DB Barendrecht               | 0:00                                 |
| SD  | Martin Luther Kingstraat 48 3274CL Heinenoord | 0:47                                 |
| sD  | Aalwater 3 2993DD Barendrecht                 | 0:00                                 |
| SE  | Willem de Zwijgerstraat 8 3274AL Heinenoord   | 0:00                                 |
| sE  | Zalmwater 153 2993DX Barendrecht              | 0:00                                 |
| SF  | John F. Kennedystraat 36 3274CG Heinenoord    | 2:51                                 |
| sF  | Vederhaven 17 2993EB Barendrecht              | 0:00                                 |
| SG  | Wouter van den Walestr 44 3274CS Heinenoord   | 0:20                                 |
| sG  | Swarttouwhaven 34 2993HP Barendrecht          | 0:00                                 |
| SH  | Wiardi Beckmanhof 12 3274CX Heinenoord        | 1:21                                 |
| sH  | Müllerhaven 76 2993EA Barendrecht             | 0:00                                 |
| SI  | Margrietstraat 14 3274AH Heinenoord           | 0:00                                 |
| sI  | Meeshaven 14 2993HN Barendrecht               | 0:00                                 |
| sJ  | Smithaven 20 2993EC Barendrecht               | 0:00                                 |
| SJ  | Prof. Teldersstraat 43 3274MC Heinenoord      | 3:37                                 |
| SK  | De Laagjes 18 3274CB Heinenoord               | 0:37                                 |
| sK  | Stekkant 123 2993DB Barendrecht               | 0:00                                 |
| SL  | Wouter van den Walestr 56 3274CS Heinenoord   | 0:20                                 |
| sL  | Stekkant 59 2993DB Barendrecht                | 0:00                                 |
| sM  | Stekkant 39 2993DB Barendrecht                | 0:00                                 |
| SM  | Zomerlandseweg 2 3274LX Heinenoord            | 1:30                                 |
| sN  | Müllerhaven 66 2993EA Barendrecht             | 0:00                                 |
| SN  | Spuihelden 21 3274CM Heinenoord               | 0:56                                 |
| sO  | Steurwater 7 2993DE Barendrecht               | 0:00                                 |
| SO  | Koimansland 36 3274CJ Heinenoord              | 0:30                                 |
| SP  | John F. Kennedystraat 7 3274CG Heinenoord     | 0:24                                 |
| sP  | Stekkant 155 2993DB Barendrecht               | 0:00                                 |
| sQ  | Meeshaven 8 2993HN Barendrecht                | 0:00                                 |
| SQ  | Hermannushof 24 3274CE Heinenoord             | 1:00                                 |
| sR  | Stekkant 27 2993DB Barendrecht                | 0:00                                 |
| SR  | Koimansland 11 3274CJ Heinenoord              | 0:33                                 |
| sS  | Aalwater 17 2993DD Barendrecht                | 0:00                                 |
| SS  | Hermannushof 26 3274CE Heinenoord             | 1:01                                 |
| sT  | Stekkant 119 2993DB Barendrecht               | 0:00                                 |
| ST  | Oosteinde 28 3274KC Heinenoord                | 1:57                                 |
| SU  | Irenestraat 21 3274AD Heinenoord              | 0:00                                 |
| sU  | Kröllerhaven 4 2993ED Barendrecht             | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
|     | sV Ruyshaven 9 2993HM Barendrecht              | 0:00                                 |
|     | SV Bernhardstraat 12 3274AB Heinenoord         | 0:00                                 |
|     | SW Spuivelden 2 3274CM Heinenoord              | 0:52                                 |
|     | sW Spieringwater 6 2993DM Barendrecht          | 0:00                                 |
|     | SX Emmastraat 26 3274AC Heinenoord             | 0:00                                 |
|     | sX Swarttouwhaven 28 2993HP Barendrecht        | 0:00                                 |
|     | SY Rietwaard 1 3274MA Heinenoord               | 3:23                                 |
|     | sY Ruyshaven 11 2993HM Barendrecht             | 0:00                                 |
|     | sZ Swarttouwhaven 66 2993HP Barendrecht        | 0:00                                 |
|     | SZ John F. Kennedystraat 26 3274CG Heinenoord  | 2:33                                 |
|     | T Blaaksedijk West 43 3274LD Heinenoord        | 0:00                                 |
| •   | T Achterzeedijk 1 a 46 2991SB Barendrecht      | 0:23                                 |
|     | tA Van Hobokenhaven 65 2993HH Barendrecht      | 0:00                                 |
|     | TA Prof. Teldersstraat 15 3274CZ Heinenoord    | 2:40                                 |
|     | TB Wouter van den Walestr 12 3274CR Heinenoord | 0:00                                 |
|     | tB Smithaven 31 2993EC Barendrecht             | 0:00                                 |
|     | tC Steekkant 137 2993DB Barendrecht            | 0:00                                 |
|     | TC Avenhil 24 3274CT Heinenoord                | 1:33                                 |
|     | tD Steekkant 105 2993DB Barendrecht            | 0:00                                 |
|     | TD Prof. Teldersstraat 21 3274CZ Heinenoord    | 2:59                                 |
|     | TE De Laagjes 5 3274CB Heinenoord              | 0:31                                 |
|     | tE Zalmwater 133 2993DX Barendrecht            | 0:00                                 |
|     | TF John F. Kennedystraat 57 3274CG Heinenoord  | 1:01                                 |
|     | tF Kröllerhaven 43 2993ED Barendrecht          | 0:00                                 |
|     | tG Van Hobokenhaven 15 2993HH Barendrecht      | 0:00                                 |
|     | TG Rietwaard 14 3274MA Heinenoord              | 2:59                                 |
|     | tH Steekkant 11 2993DB Barendrecht             | 0:00                                 |
|     | TH Kooimansland 10 3274CJ Heinenoord           | 0:24                                 |
|     | TI Abraham Kuyperhof 7 3274CW Heinenoord       | 1:59                                 |
|     | ti Steekkant 67 2993DB Barendrecht             | 0:00                                 |
|     | tJ Steekkant 52 2993DB Barendrecht             | 0:00                                 |
|     | TJ Kalesland 4 3274CH Heinenoord               | 0:36                                 |
|     | tK Müllerhaven 82 2993EA Barendrecht           | 0:00                                 |
|     | TK Oranjestraat 20 3274AK Heinenoord           | 0:00                                 |
|     | tL Müllerhaven 34 2993EA Barendrecht           | 0:00                                 |
|     | TL Dreeshof 2 3274CC Heinenoord                | 0:54                                 |
|     | TM Hermannushof 16 3274CE Heinenoord           | 0:53                                 |
|     | tM Steekkant 31 2993DB Barendrecht             | 0:00                                 |
|     | TN Wiardi Beckmanhof 14 3274CX Heinenoord      | 1:30                                 |
|     | tN Vederhaven 1 2993EB Barendrecht             | 0:00                                 |
|     | TO Wiardi Beckmanhof 2 3274CX Heinenoord       | 1:17                                 |
|     | tO Müllerhaven 50 2993EA Barendrecht           | 0:00                                 |
|     | tP Koedood 4 2993AL Barendrecht                | 0:00                                 |
|     | TP Beatrixstraat 17 3274AA Heinenoord          | 0:00                                 |
|     | tQ Smithaven 49 2993EC Barendrecht             | 0:00                                 |
|     | TQ John F. Kennedystraat 37 3274CG Heinenoord  | 0:40                                 |
|     | tR Koedood 2 a 2993AL Barendrecht              | 0:00                                 |
|     | TR Oranjestraat 11 A 3274AK Heinenoord         | 0:00                                 |
|     | TS Spuivelden 5 3274CM Heinenoord              | 0:44                                 |
|     | tS Kröllerhaven 6 2993ED Barendrecht           | 0:00                                 |
|     | TT Prof. Teldersstraat 4 3274MC Heinenoord     | 3:06                                 |
|     | tT Smithaven 22 2993EC Barendrecht             | 0:00                                 |
|     | TU Dorpsstraat 32 3274BD Heinenoord            | 0:00                                 |
|     | tU Steekkant 121 2993DB Barendrecht            | 0:00                                 |
|     | tV Steekkant 135 2993DB Barendrecht            | 0:00                                 |
|     | TV Prof. Teldersstraat 12 3274MC Heinenoord    | 3:06                                 |
|     | TW Marijkestraat 5 3274AJ Heinenoord           | 0:00                                 |
|     | tW Steekkant 113 2993DB Barendrecht            | 0:00                                 |
|     | tX Smithaven 55 2993EC Barendrecht             | 0:00                                 |
|     | TX Kalesland 9 3274CH Heinenoord               | 0:44                                 |
|     | TY Boerengorzen 11 3274CV Heinenoord           | 2:35                                 |
|     | tY Steekkant 56 2993DB Barendrecht             | 0:00                                 |
|     | TZ Irenestraat 18 3274AE Heinenoord            | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| tZ Smithaven 45 2993EC Barendrecht               | 0:00 |                                      |
| U Blaaksedijk West 29 3274LD Heinenoord          | 0:00 |                                      |
| •U Achterzeedijk 1 a 47 2991SB Barendrecht       | 0:25 |                                      |
| uA Müllerhaven 16 2993EA Barendrecht             | 0:00 |                                      |
| UA Wouter van den Walestr 64 3274CS Heinenoord   | 0:20 |                                      |
| UB Avenhil 35 3274CT Heinenoord                  | 1:42 |                                      |
| uB Swarttouwhaven 68 2993HP Barendrecht          | 0:00 |                                      |
| UC Beatrixstraat 29 3274AA Heinenoord            | 0:00 |                                      |
| uC Steekkant 30 2993DB Barendrecht               | 0:00 |                                      |
| uD Steekkant 38 2993DB Barendrecht               | 0:00 |                                      |
| UD Wiardi Beckmanhof 3 3274CX Heinenoord         | 1:18 |                                      |
| UE Martin Luther Kingstraat 2 3274CK Heinenoord  | 0:23 |                                      |
| uE Meeshaven 3 2993HN Barendrecht                | 0:00 |                                      |
| UF Rietwaard 7 3274MA Heinenoord                 | 3:27 |                                      |
| uF Van Hobokenhaven 51 2993HH Barendrecht        | 0:00 |                                      |
| uG Steekkant 42 2993DB Barendrecht               | 0:00 |                                      |
| UG Dorpsstraat 9 3274BB Heinenoord               | 0:00 |                                      |
| UH Oranjestraat 13 3274AK Heinenoord             | 0:00 |                                      |
| uH Meeshaven 1 2993HN Barendrecht                | 0:00 |                                      |
| uI Steekkant 69 2993DB Barendrecht               | 0:00 |                                      |
| UI Avenhil 4 3274CT Heinenoord                   | 1:17 |                                      |
| UJ De Laagjes 15 3274CB Heinenoord               | 0:39 |                                      |
| uJ Aalwater 22 2993DD Barendrecht                | 0:00 |                                      |
| UK Bernhardstraat 8 3274AB Heinenoord            | 0:00 |                                      |
| uK Steekkant 29 2993DB Barendrecht               | 0:00 |                                      |
| uL Steurwater 9 2993DE Barendrecht               | 0:00 |                                      |
| UL Margrietstraat 13 3274AH Heinenoord           | 0:00 |                                      |
| uM Smithaven 47 2993EC Barendrecht               | 0:00 |                                      |
| UM Irenestraat 15 3274AD Heinenoord              | 0:00 |                                      |
| uN Meeshaven 12 2993HN Barendrecht               | 0:00 |                                      |
| UN Rietwaard 26 3274MA Heinenoord                | 5:30 |                                      |
| uO Meeshaven 15 2993HN Barendrecht               | 0:00 |                                      |
| UO Avenhil 42 3274CT Heinenoord                  | 1:34 |                                      |
| uP Steekkant 117 2993DB Barendrecht              | 0:00 |                                      |
| UP Dreeoshof 10 3274CC Heinenoord                | 0:55 |                                      |
| uQ Steekkant 36 2993DB Barendrecht               | 0:00 |                                      |
| UQ Oosteinde 20 3274KC Heinenoord                | 3:21 |                                      |
| uR Calandhaven 7 2993HL Barendrecht              | 0:00 |                                      |
| UR John F. Kennedystraat 69 3274CG Heinenoord    | 2:15 |                                      |
| US De Laagjes 30 3274CB Heinenoord               | 0:44 |                                      |
| uS Calandhaven 5 2993HL Barendrecht              | 0:00 |                                      |
| UT Martin Luther Kingstraat 8 3274CK Heinenoord  | 0:23 |                                      |
| uT Van Hobokenhaven 55 2993HH Barendrecht        | 0:00 |                                      |
| UU Wiardi Beckmanhof 16 3274CX Heinenoord        | 1:50 |                                      |
| uU Kröllerhaven 25 2993ED Barendrecht            | 0:00 |                                      |
| uV Kröllerhaven 8 2993ED Barendrecht             | 0:00 |                                      |
| UV Thorbeckehof 9 3274CP Heinenoord              | 1:03 |                                      |
| uW Van Hobokenhaven 31 2993HH Barendrecht        | 0:00 |                                      |
| UW Emmastraat 24 3274AC Heinenoord               | 0:00 |                                      |
| UX John F. Kennedystraat 71 3274CG Heinenoord    | 2:18 |                                      |
| uX Steekkant 125 2993DB Barendrecht              | 0:00 |                                      |
| UY Avenhil 7 3274CT Heinenoord                   | 1:10 |                                      |
| uY Steekkant 157 2993DB Barendrecht              | 0:00 |                                      |
| UZ Irenestraat 34 3274AE Heinenoord              | 0:00 |                                      |
| uZ Steekkant 43 2993DB Barendrecht               | 0:00 |                                      |
| V Blaaksedijk West 25 3274LD Heinenoord          | 0:00 |                                      |
| •V Achterzeedijk 1 a 48 2991SB Barendrecht       | 0:27 |                                      |
| vA Swarttouwhaven 22 2993HP Barendrecht          | 0:00 |                                      |
| VA Martin Luther Kingstraat 12 3274CK Heinenoord | 0:27 |                                      |
| vB Aalwater 6 2993DD Barendrecht                 | 0:00 |                                      |
| VB Buitelanden 2 3274MB Heinenoord               | 4:59 |                                      |
| vC Steekkant 49 2993DB Barendrecht               | 0:00 |                                      |
| VC Abraham Kuyperhof 1 3274CW Heinenoord         | 2:00 |                                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                                   | Name        | Shadow, expected values              |
|---------------------------------------|-------------|--------------------------------------|
|                                       |             | Shadow hours<br>per year<br>[h/year] |
| vD Steekkant 141 2993DB               | Barendrecht | 0:00                                 |
| VD Kalesland 76 3274CH                | Heinenoord  | 0:59                                 |
| vE Meeshaven 6 2993HN                 | Barendrecht | 0:00                                 |
| VE Dreeshof 6 3274CC                  | Heinenoord  | 0:55                                 |
| VF John F. Kennedystraat 73 3274CG    | Heinenoord  | 2:23                                 |
| vF Meeshaven 10 2993HN                | Barendrecht | 0:00                                 |
| VG Dreeshof 7 3274CC                  | Heinenoord  | 0:44                                 |
| vG Meeshaven 16 2993HN                | Barendrecht | 0:00                                 |
| vH Müllerhaven 78 2993EA              | Barendrecht | 0:00                                 |
| VH Dorpsstraat 3 3274BB               | Heinenoord  | 0:00                                 |
| vi Steekkant 3 2993DB                 | Barendrecht | 0:00                                 |
| VI Beatrixstraat 46 3274AA            | Heinenoord  | 0:00                                 |
| VJ Oranjestraat 24 3274AK             | Heinenoord  | 0:00                                 |
| vJ Steekkant 8 2993DB                 | Barendrecht | 0:00                                 |
| vK Steekkant 65 2993DB                | Barendrecht | 0:00                                 |
| VK Avenhil 21 3274CT                  | Heinenoord  | 1:34                                 |
| VL Müllerhaven 20 2993EA              | Barendrecht | 0:00                                 |
| VL Irenestraat 42 3274AE              | Heinenoord  | 0:00                                 |
| VM Kröllerhaven 17 2993ED             | Barendrecht | 0:00                                 |
| VM Irenestraat 5 3274AD               | Heinenoord  | 0:00                                 |
| vN Steurwater 3 2993DE                | Barendrecht | 0:00                                 |
| VN Prof. Teldersstraat 53 3274MC      | Heinenoord  | 3:37                                 |
| vO Steekkant 97 2993DB                | Barendrecht | 0:00                                 |
| VO Wouter van den Walestr 38 3274CS   | Heinenoord  | 0:00                                 |
| VP Martin Luther Kingstraat 22 3274CK | Heinenoord  | 0:31                                 |
| vP Vederhaven 9 2993EB                | Barendrecht | 0:00                                 |
| vQ Müllerhaven 2 2993EA               | Barendrecht | 0:00                                 |
| VO Avenhil 33 3274CT                  | Heinenoord  | 2:07                                 |
| vR Vederhaven 19 2993EB               | Barendrecht | 0:00                                 |
| VR Oosteinde 4 3274KC                 | Heinenoord  | 3:52                                 |
| VS Buitenlanden 3 3274MB              | Heinenoord  | 4:07                                 |
| vS Smithaven 41 2993EC                | Barendrecht | 0:00                                 |
| VT Martin Luther Kingstraat 64 3274CL | Heinenoord  | 1:01                                 |
| vT Van Hobokenhaven 29 2993HH         | Barendrecht | 0:00                                 |
| VU Buitenlanden 15 3274MB             | Heinenoord  | 4:00                                 |
| vU Zalmwater 147 2993DX               | Barendrecht | 0:00                                 |
| vV Swarttouwhaven 64 2993HP           | Barendrecht | 0:00                                 |
| VV Rietwaard 8 3274MA                 | Heinenoord  | 3:01                                 |
| VW Martin Luther Kingstraat 42 3274CL | Heinenoord  | 0:44                                 |
| vW Aalwater 12 2993DD                 | Barendrecht | 0:00                                 |
| vX Kröllerhaven 55 2993ED             | Barendrecht | 0:00                                 |
| VX De Laagjes 10 3274CB               | Heinenoord  | 0:31                                 |
| vY Meeshaven 13 2993HN                | Barendrecht | 0:00                                 |
| VY Martin Luther Kingstraat 16 3274CK | Heinenoord  | 0:28                                 |
| vZ Meeshaven 11 2993HN                | Barendrecht | 0:00                                 |
| VZ Wouter van den Walestr 78 3274CS   | Heinenoord  | 0:20                                 |
| W Blaaksedijk West 30 3274LE          | Heinenoord  | 0:00                                 |
| •W Achterzeedijk 1 a 49 2991SB        | Barendrecht | 0:26                                 |
| WA Marijkestraat 12 3274AJ            | Heinenoord  | 0:19                                 |
| wA Koedood 20 2993AL                  | Barendrecht | 0:00                                 |
| WB Wouter van den Walestr 16 3274CR   | Heinenoord  | 0:00                                 |
| wB Zalmwater 145 2993DX               | Barendrecht | 0:00                                 |
| WC Talmahof 10 3274CN                 | Heinenoord  | 0:38                                 |
| wC Zalmwater 149 2993DX               | Barendrecht | 0:00                                 |
| WD Beatrixstraat 27 3274AA            | Heinenoord  | 0:00                                 |
| wD Kröllerhaven 49 2993ED             | Barendrecht | 0:00                                 |
| wE Zalmwater 135 2993DX               | Barendrecht | 0:00                                 |
| WE Oosteinde 18 3274KC                | Heinenoord  | 3:44                                 |
| WF Spuibelden 11 3274CM               | Heinenoord  | 0:45                                 |
| wF Steekkant 26 2993DB                | Barendrecht | 0:00                                 |
| WG Avenhil 17 3274CT                  | Heinenoord  | 1:18                                 |
| wG Steekkant 46 2993DB                | Barendrecht | 0:00                                 |
| WH Oosteinde 33 3274KB                | Heinenoord  | 2:46                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| wH Koedood 23 2993AL Barendrecht                 | 0:00 |                                      |
| WI Avenhil 39 3274CT Heinenoord                  | 2:13 |                                      |
| wI Meeshaven 17 2993HN Barendrecht               | 0:00 |                                      |
| wJ Swarttouwhaven 2 2993HP Barendrecht           | 0:00 |                                      |
| WJ Dorpsstraat 26 3274BD Heinenoord              | 0:00 |                                      |
| wK Steekkant 165 2993DB Barendrecht              | 0:00 |                                      |
| WK Prof. Teldersstraat 25 3274CZ Heinenoord      | 2:57 |                                      |
| wL Meeshaven 4 2993HN Barendrecht                | 0:00 |                                      |
| WL Kooimansland 24 3274CJ Heinenoord             | 0:25 |                                      |
| wM Meeshaven 9 2993HN Barendrecht                | 0:00 |                                      |
| WM De Laagjes 1 3274CB Heinenoord                | 0:29 |                                      |
| WN Hermannushof 8 3274CE Heinenoord              | 0:47 |                                      |
| wN Vederhaven 5 2993EB Barendrecht               | 0:00 |                                      |
| wO Koedood 27 2993AL Barendrecht                 | 0:00 |                                      |
| WO Bernhardstraat 7 3274AB Heinenoord            | 0:00 |                                      |
| wP Swarttouwhaven 4 2993HP Barendrecht           | 0:00 |                                      |
| WP Andries Woutershof 4 3274CA Heinenoord        | 0:29 |                                      |
| WQ Bernhardstraat 18 3274AB Heinenoord           | 0:00 |                                      |
| wQ Swarttouwhaven 6 2993HP Barendrecht           | 0:00 |                                      |
| wR Kröllerhaven 10 2993ED Barendrecht            | 0:00 |                                      |
| WR Spuivelden 19 3274CM Heinenoord               | 0:57 |                                      |
| wS Smithaven 24 2993EC Barendrecht               | 0:00 |                                      |
| WS Kalesland 40 3274CH Heinenoord                | 0:48 |                                      |
| WT Irenestraat 24 3274AE Heinenoord              | 0:00 |                                      |
| wT Kröllerhaven 45 2993ED Barendrecht            | 0:00 |                                      |
| WU Kalesland 30 3274CH Heinenoord                | 0:44 |                                      |
| wU Smithaven 16 2993EC Barendrecht               | 0:00 |                                      |
| WV Kalesland 42 3274CH Heinenoord                | 0:49 |                                      |
| wV Steekkant 151 2993DB Barendrecht              | 0:00 |                                      |
| WW De Laagjes 36 3274CB Heinenoord               | 0:48 |                                      |
| wW Kröllerhaven 35 2993ED Barendrecht            | 0:00 |                                      |
| WX Martin Luther Kingstraat 28 3274CK Heinenoord | 0:35 |                                      |
| wX Steekkant 58 2993DB Barendrecht               | 0:00 |                                      |
| WY Prof. Teldersstraat 45 3274MC Heinenoord      | 3:36 |                                      |
| wY Ruyshaven 1 2993HM Barendrecht                | 0:00 |                                      |
| wZ Zalmwater 137 2993DX Barendrecht              | 0:00 |                                      |
| WZ Oranjestraat 28 3274AK Heinenoord             | 0:00 |                                      |
| X Reedijk 4 3274KE Heinenoord                    | 0:00 |                                      |
| *X Achterzeedijk 1 a 50 2991SB Barendrecht       | 0:26 |                                      |
| XA John F. Kennedystraat 75 3274CG Heinenoord    | 2:24 |                                      |
| xA Müllerhaven 38 2993EA Barendrecht             | 0:00 |                                      |
| xB Steekkant 18 2993DB Barendrecht               | 0:00 |                                      |
| XB Thorbeckehof 7 3274CP Heinenoord              | 1:03 |                                      |
| xC Steekkant 21 2993DB Barendrecht               | 0:00 |                                      |
| XC Abraham Kuyperhof 13 3274CW Heinenoord        | 2:21 |                                      |
| xD Vederhaven 13 2993EB Barendrecht              | 0:00 |                                      |
| XD John F. Kennedystraat 51 3274CG Heinenoord    | 0:55 |                                      |
| xE Van Hobokenhaven 17 2993HH Barendrecht        | 0:00 |                                      |
| XE John F. Kennedystraat 17 3274CG Heinenoord    | 0:27 |                                      |
| xF Kabbelkant 12 2993DC Barendrecht              | 0:00 |                                      |
| XF Oranjestraat 21 3274AK Heinenoord             | 0:00 |                                      |
| xG Müllerhaven 14 2993EA Barendrecht             | 0:00 |                                      |
| XG Avenhil 38 3274CT Heinenoord                  | 2:09 |                                      |
| xH Steekkant 71 2993DB Barendrecht               | 0:00 |                                      |
| XH De Laagjes 14 3274CB Heinenoord               | 0:34 |                                      |
| XI Emmastraat 9 3274AC Heinenoord                | 0:00 |                                      |
| xi Swarttouwhaven 50 2993HP Barendrecht          | 0:00 |                                      |
| XJ Abraham Kuyperhof 4 3274CW Heinenoord         | 2:02 |                                      |
| xJ Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| xK Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| KK Boerengorzen 6 3274CV Heinenoord              | 2:18 |                                      |
| XL Kalesland 17 3274CH Heinenoord                | 0:51 |                                      |
| xL Weerkant 60 2993DA Barendrecht                | 0:00 |                                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| xM  | Spieringwater 1 2993DM Barendrecht            | 0:00                                 |
| XM  | Julianalaan 36 3274AG Heinenoord              | 0:00                                 |
| xN  | Weerkant 134 2993DA Barendrecht               | 0:00                                 |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 0:00                                 |
| xO  | Harderwater 78 2993DW Barendrecht             | 0:00                                 |
| XO  | Talmahof 3 3274CN Heinenoord                  | 0:29                                 |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 0:26                                 |
| xP  | Harderwater 76 2993DW Barendrecht             | 0:00                                 |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 0:51                                 |
| xQ  | Weerkant 17 2993DA Barendrecht                | 0:00                                 |
| xR  | Kuilkant 167 2993DV Barendrecht               | 0:00                                 |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 0:00                                 |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 0:00                                 |
| xS  | Weerkant 38 2993DA Barendrecht                | 0:00                                 |
| xt  | Weerkant 14 2993DA Barendrecht                | 0:00                                 |
| XT  | Hermannushof 20 3274CE Heinenoord             | 1:02                                 |
| xU  | Weerkant 132 2993DA Barendrecht               | 0:00                                 |
| XU  | Kalesland 50 3274CH Heinenoord                | 0:53                                 |
| xV  | Weerkant 19 2993DA Barendrecht                | 0:00                                 |
| XV  | Buitenlanden 6 3274MB Heinenoord              | 4:39                                 |
| XW  | Avenhil 1 3274CT Heinenoord                   | 1:20                                 |
| xW  | Harderwater 80 2993DW Barendrecht             | 0:00                                 |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 0:00                                 |
| xX  | Weerkant 12 2993DA Barendrecht                | 0:00                                 |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 2:19                                 |
| xY  | Zalmwater 115 2993DX Barendrecht              | 0:00                                 |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 1:36                                 |
| xZ  | Weerkant 112 2993DA Barendrecht               | 0:00                                 |
| Y   | Blaakseindijk West 35 3274LD Heinenoord       | 0:00                                 |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 0:27                                 |
| yA  | Weerkant 76 2993DA Barendrecht                | 0:00                                 |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 0:00                                 |
| yB  | Weerkant 100 2993DA Barendrecht               | 0:00                                 |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 0:00                                 |
| YC  | De Laagjes 6 3274CB Heinenoord                | 0:29                                 |
| yC  | Weerkant 92 2993DA Barendrecht                | 0:00                                 |
| YD  | Rietwaard 16 3274MA Heinenoord                | 2:55                                 |
| yD  | Weerkant 6 2993DA Barendrecht                 | 0:00                                 |
| YE  | De Laagjes 3 3274CB Heinenoord                | 0:30                                 |
| yE  | Weerkant 46 2993DA Barendrecht                | 0:00                                 |
| yF  | Weerkant 18 2993DA Barendrecht                | 0:00                                 |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 2:23                                 |
| yG  | Weerkant 64 2993DA Barendrecht                | 0:00                                 |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 0:00                                 |
| yH  | Weerkant 118 2993DA Barendrecht               | 0:00                                 |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 0:00                                 |
| yI  | Harderwater 49 2993DW Barendrecht             | 0:00                                 |
| YI  | Avenhil 8 3274CT Heinenoord                   | 1:11                                 |
| yJ  | Weerkant 94 2993DA Barendrecht                | 0:00                                 |
| YJ  | Kalesland 66 3274CH Heinenoord                | 1:02                                 |
| yK  | Weerkant 1 2993DA Barendrecht                 | 0:00                                 |
| YK  | Kalesland 2 3274CH Heinenoord                 | 0:35                                 |
| YL  | Zalmwater 125 2993DX Barendrecht              | 0:00                                 |
| YL  | Koomansland 3 3274CJ Heinenoord               | 0:31                                 |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 0:55                                 |
| yM  | Weerkant 114 2993DA Barendrecht               | 0:00                                 |
| yN  | Weerkant 20 2993DA Barendrecht                | 0:00                                 |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 4:01                                 |
| yO  | Weerkant 138 2993DA Barendrecht               | 0:00                                 |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 0:00                                 |
| YP  | Kalesland 60 3274CH Heinenoord                | 1:00                                 |
| yP  | Weerkant 48 2993DA Barendrecht                | 0:00                                 |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoopte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No.                            | Name                  | Shadow, expected values              |
|--------------------------------|-----------------------|--------------------------------------|
|                                |                       | Shadow hours<br>per year<br>[h/year] |
| YQ Julianalaan 44              | 3274AG Heinenoord     | 0:00                                 |
| yR Weekant 24                  | 2993DA Barendrecht    | 0:00                                 |
| YR John F. Kennedystraat 14    | 3274CG Heinenoord     | 1:54                                 |
| YS Rietwaard 19                | 3274MA Heinenoord     | 4:15                                 |
| yS Spieringwater 13            | 2993DM Barendrecht    | 0:00                                 |
| YT Wouter van den Walestr 34   | 3274CR Heinenoord     | 0:00                                 |
| yT Weekant 62                  | 2993DA Barendrecht    | 0:00                                 |
| YU Marijkestraat 17            | 3274AJ Heinenoord     | 0:00                                 |
| yU Weekant 146                 | 2993DA Barendrecht    | 0:00                                 |
| YV Abraham Kuyperhof 5         | 3274CW Heinenoord     | 2:02                                 |
| yV Weekant 82                  | 2993DA Barendrecht    | 0:00                                 |
| yW Spieringwater 9             | 2993DM Barendrecht    | 0:00                                 |
| YW Heyne van Althenastraat 34  | 3274CD Heinenoord     | 0:48                                 |
| YX Beatrixstraat 15            | 3274AA Heinenoord     | 0:00                                 |
| yX Weekant 136                 | 2993DA Barendrecht    | 0:00                                 |
| yY Weekant 158                 | 2993DA Barendrecht    | 0:00                                 |
| YY Heyne van Althenastraat 22  | 3274CD Heinenoord     | 0:32                                 |
| YZ Martin Luther Kingstraat 66 | 3274CL Heinenoord     | 1:04                                 |
| yZ Spieringwater 7             | 2993DM Barendrecht    | 0:00                                 |
| Z Blaaksedijk West 37          | 3274LD Heinenoord     | 0:00                                 |
| •Z Achterzeedijk 1 a           | 52 2991SB Barendrecht | 0:28                                 |
| zA Weekant 86                  | 2993DA Barendrecht    | 0:00                                 |
| ZA John F. Kennedystraat 15    | 3274CG Heinenoord     | 0:26                                 |
| zB Weekant 32                  | 2993DA Barendrecht    | 0:00                                 |
| ZB Marijkestraat 8             | 3274AJ Heinenoord     | 0:00                                 |
| zC Spieringwater 5             | 2993DM Barendrecht    | 0:00                                 |
| ZC Rietwaard 4                 | 3274MA Heinenoord     | 2:57                                 |
| ZD Kalesland 34                | 3274CH Heinenoord     | 0:46                                 |
| zD Weekant 126                 | 2993DA Barendrecht    | 0:00                                 |
| ZE Wiardi Beckmanhof 9         | 3274CX Heinenoord     | 1:19                                 |
| zE Weekant 30                  | 2993DA Barendrecht    | 0:00                                 |
| zF Weekant 104                 | 2993DA Barendrecht    | 0:00                                 |
| ZF John F. Kennedystraat 85    | 3274CG Heinenoord     | 3:23                                 |
| zG Weekant 70                  | 2993DA Barendrecht    | 0:00                                 |
| ZG Avenhil 27                  | 3274CT Heinenoord     | 1:58                                 |
| ZH Wiardi Beckmanhof 4         | 3274CX Heinenoord     | 1:18                                 |
| zH Weekant 10                  | 2993DA Barendrecht    | 0:00                                 |
| ZI Avenhil 2                   | 3274CT Heinenoord     | 1:20                                 |
| zI Weekant 33                  | 2993DA Barendrecht    | 0:00                                 |
| zJ Beatrixstraat 44            | 3274AA Heinenoord     | 0:00                                 |
| zK Weekant 130                 | 2993DA Barendrecht    | 0:00                                 |
| ZK Irenestraat 9               | 3274AD Heinenoord     | 0:00                                 |
| ZL Wouter van den Walestr 74   | 3274CS Heinenoord     | 0:20                                 |
| zL Weekant 4                   | 2993DA Barendrecht    | 0:00                                 |
| ZM John F. Kennedystraat 12    | 3274CG Heinenoord     | 1:26                                 |
| zM Weekant 68                  | 2993DA Barendrecht    | 0:00                                 |
| zN Weekant 96                  | 2993DA Barendrecht    | 0:00                                 |
| ZN Talmahof 6                  | 3274CN Heinenoord     | 0:38                                 |
| zO Weekant 34                  | 2993DA Barendrecht    | 0:00                                 |
| ZO Wouter van den Walestr 60   | 3274CS Heinenoord     | 0:00                                 |
| zP Weekant 31                  | 2993DA Barendrecht    | 0:00                                 |
| ZP Kooimansland 7              | 3274CJ Heinenoord     | 0:31                                 |
| zQ Weekant 148                 | 2993DA Barendrecht    | 0:00                                 |
| ZQ Talmahof 5                  | 3274CN Heinenoord     | 0:29                                 |
| ZR Irenestraat 14              | 3274AE Heinenoord     | 0:00                                 |
| zR Weekant 144                 | 2993DA Barendrecht    | 0:00                                 |
| zS Weekant 116                 | 2993DA Barendrecht    | 0:00                                 |
| ZS Oosteinde 26                | 3274KC Heinenoord     | 2:10                                 |
| ZT John F. Kennedystraat 25    | 3274CG Heinenoord     | 0:31                                 |
| zT Spieringwater 11            | 2993DM Barendrecht    | 0:00                                 |
| zU Weekant 140                 | 2993DA Barendrecht    | 0:00                                 |
| ZU Wouter van den Walestr 58   | 3274CS Heinenoord     | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 1

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
|     | zV Weerkant 42 2993DA Barendrecht              | 0:00                    |                      |
|     | ZV Margrietstraat 16 3274AH Heinenoord         | 0:00                    |                      |
|     | ZW Bernhardstraat 1 A 3274AB Heinenoord        | 0:00                    |                      |
|     | zW Weerkant 122 2993DA Barendrecht             | 0:00                    |                      |
|     | zX Weerkant 168 2993DA Barendrecht             | 0:00                    |                      |
|     | ZX De Laagjes 13 3274CB Heinenoord             | 0:38                    |                      |
|     | ZY Marijkestraat 3 3274AJ Heinenoord           | 0:00                    |                      |
|     | ZY Weerkant 80 2993DA Barendrecht              | 0:00                    |                      |
|     | ZZ Wouter van den Walestr 46 3274CS Heinenoord | 0:19                    |                      |
|     | zZ Weerkant 106 2993DA Barendrecht             | 0:00                    |                      |

Total amount of flickering on the shadow receptors caused by each WTG

| No. | Name  | Worst case<br>[h/year] | Expected<br>[h/year] |
|-----|---|------------------------|----------------------|
| 1   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (1) | 61:08                  | 16:30                |
| 2   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (2) | 30:11                  | 8:09                 |
| 3   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (3) | 46:38                  | 9:08                 |
| 4   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (4) | 63:04                  | 10:38                |
| 5   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (5) | 37:42                  | 8:01                 |

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

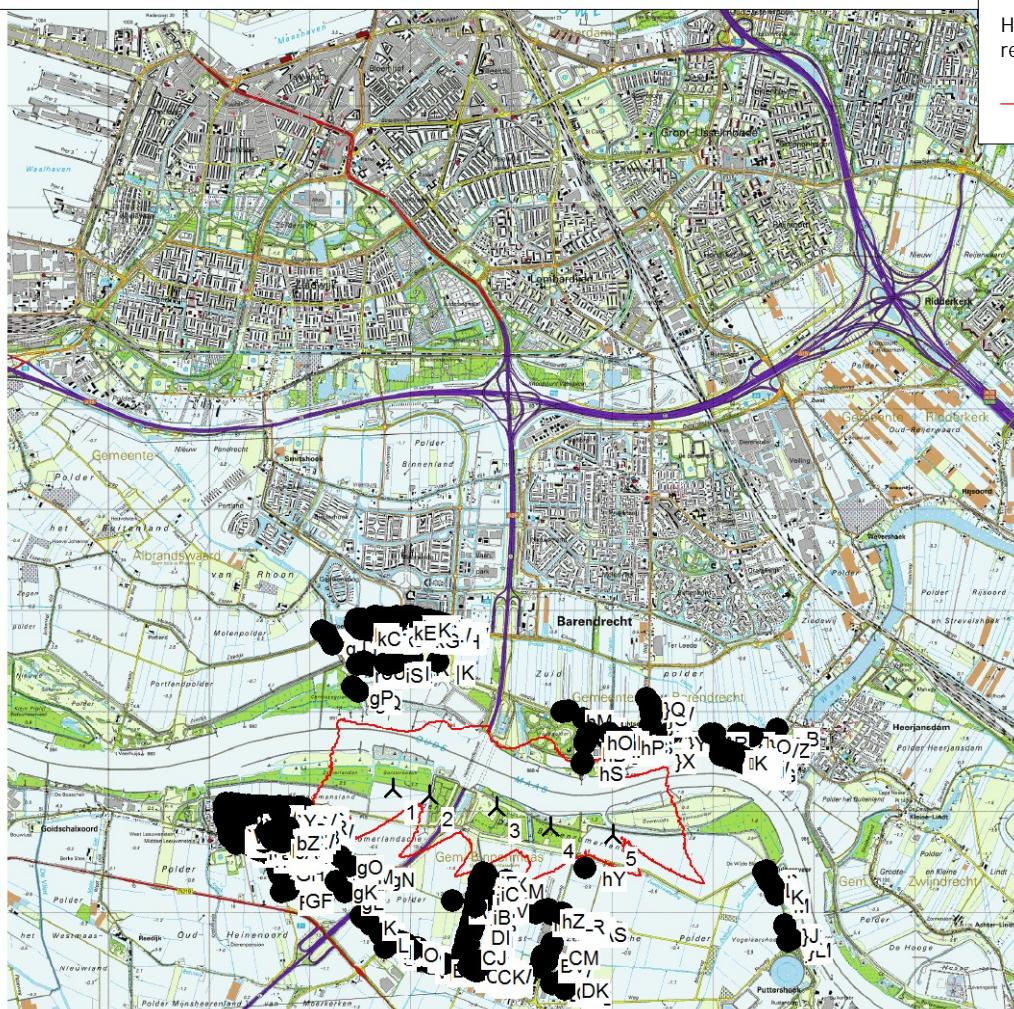
VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 12:35/3.0.654

## SHADOW - Map

Calculation: Windpark Binnenmaas Opstelling 1



Map: Bitmap map: 37H\_Rotterdam\_2004.tif , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2000 East: 94.840 North: 427.040  
New WTG      Shadow receptor  
Flicker map level: 0 m above sea level

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

### Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

5 °

Day step for calculation

1 days

Time step for calculation

1 minutes

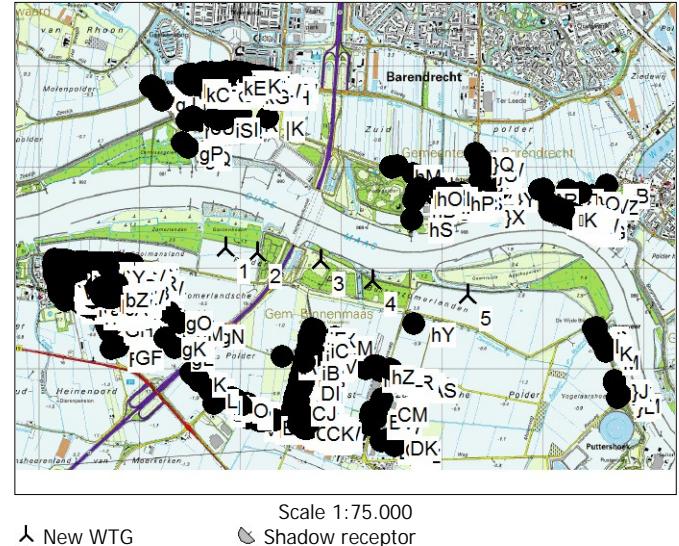
Sunshine probability S (Average daily sunshine hours) []

| Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 2,39 | 3,03 | 4,59 | 6,77 | 7,13 | 7,63 | 7,07 | 6,03 | 5,25 | 3,91 | 2,07 | 1,80 |

Operational time

| N   | NNE | ENE | E   | ESE | SSE | S     | SSW   | WSW   | W   | NNW | NNW | Sum   |
|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-------|
| 521 | 607 | 604 | 415 | 381 | 628 | 1.003 | 1.019 | 1.085 | 799 | 637 | 717 | 8.416 |

Idle start wind speed: Cut in wind speed from power curve

All coordinates are in  
Dutch Stereo-RD/NAP 2000

### WTGs

| X<br>(east) | Y<br>(north) | Z<br>[m] | Row data/Description                       | WTG type |           |                 | Power,<br>rated<br>[kW] | Rotor<br>diameter<br>[m] | Hub<br>height<br>[m] | Shadow data<br>Calculation<br>distance<br>[m] | RPM<br>[RPM] |
|-------------|--------------|----------|--|----------|-----------|-----------------|-------------------------|--------------------------|----------------------|---|--------------|
|             |              |          |  | Valid    | Manufact. | Type-generator  |                         |                          |                      |   |              |
| 1           | 93.848       | 427.196  | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489   | 12,6         |
| 2           | 94.166       | 427.151  | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489   | 12,6         |
| 3           | 94.797       | 427.072  | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489   | 12,6         |
| 4           | 95.308       | 426.873  | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489   | 12,6         |
| 5           | 96.257       | 426.734  | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... | Yes      | NORDEX    | N117/3000-3.000 | 3.000                   | 116,8                    | 100,0                | 1.489   | 12,6         |

### Shadow receptor-Input

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
| [A  | Kalesland 11 3274CH Heinenoord                | 92.554   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [B  | Prof. Teldersstraat 39 3274MC Heinenoord      | 92.851   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [C  | Bernhardstraat 1 C 3274AB Heinenoord          | 92.194   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [D  | Wiardi Beckmanhof 17 3274CX Heinenoord        | 92.701   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [E  | Abraham Kuyperhof 15 3274CW Heinenoord        | 92.765   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [F  | Margrietstraat 4 3274AH Heinenoord            | 92.287   | 426.838   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [G  | Wiardi Beckmanhof 6 3274CX Heinenoord         | 92.663   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [H  | Rietwaard 9 3274MA Heinenoord                 | 92.843   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [I  | Kalesland 20 3274CH Heinenoord                | 92.504   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [J  | Rietwaard 11 3274MA Heinenoord                | 92.852   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [K  | Buitenlanden 14 3274MB Heinenoord             | 92.936   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [L  | Abraham Kuyperhof 11 3274CW Heinenoord        | 92.766   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [M  | John F. Kennedystraat 29 3274CG Heinenoord    | 92.484   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [N  | Marijkestraat 19 3274AJ Heinenoord            | 92.322   | 427.058   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [O  | Avenhil 41 3274CT Heinenoord                  | 92.704   | 426.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [P  | Oosteinde 35 3274KB Heinenoord                | 92.706   | 426.617   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Q  | Martin Luther Kingstraat 26 3274CK Heinenoord | 92.473   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [R  | Oranjestraat 27 3274AK Heinenoord             | 92.272   | 426.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [S  | John F. Kennedystraat 8 3274CG Heinenoord     | 92.673   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [T  | Emmastraat 14 3274AC Heinenoord               | 92.274   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [U  | Irenestraat 23 3274AD Heinenoord              | 92.246   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [V  | Spuivelden 3 3274CM Heinenoord                | 92.529   | 426.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [W  | Beatrixstraat 42 3274AA Heinenoord            | 92.208   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [X  | Buitenlanden 7 3274MB Heinenoord              | 92.888   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Y  | Koormansland 38 3274CJ Heinenoord             | 92.445   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Z  | Kalesland 16 3274CH Heinenoord                | 92.492   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \A  | Kalesland 8 3274CH Heinenoord                 | 92.480   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| \B  | Talmahof 1 3274CN Heinenoord                  | 92.433   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \C  | Koimansland 17 3274CJ Heinenoord              | 92.481   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \D  | Irenestraat 22 3274AE Heinenoord              | 92.266   | 426.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \E  | John F. Kennedystraat 65 3274CG Heinenoord    | 92.703   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \F  | Spuivelden 10 3274CM Heinenoord               | 92.582   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \G  | Thorbeckehof 5 3274CP Heinenoord              | 92.607   | 426.997   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \H  | Spuivelden 6 3274CM Heinenoord                | 92.571   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \I  | Prof. Teldersstraat 29 3274CZ Heinenoord      | 92.824   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \J  | John F. Kennedystraat 45 3274CG Heinenoord    | 92.531   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 92.724   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 92.812   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 92.729   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \N  | De Laagjes 11 3274CB Heinenoord               | 92.476   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 92.521   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 92.877   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 92.229   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 92.332   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 92.832   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 92.402   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 92.863   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 92.222   | 427.076   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \W  | Spuivelden 7 3274CM Heinenoord                | 92.530   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \X  | Avenhil 19 3274CT Heinenoord                  | 92.686   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 92.588   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 92.262   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 92.893   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 92.490   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 92.826   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 92.452   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 92.765   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 92.407   | 426.696   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 92.936   | 427.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 92.842   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 92.887   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]J  | Kalesland 44 3274CH Heinenoord                | 92.555   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 92.700   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 92.403   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 92.938   | 426.698   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 92.729   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 92.903   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]P  | Kalesland 14 3274CH Heinenoord                | 92.488   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 92.587   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 92.737   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 92.632   | 426.678   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 92.513   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 92.432   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 92.561   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]W  | Kalesland 13 3274CH Heinenoord                | 92.554   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 92.406   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 92.572   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 92.743   | 427.040   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^A  | Kalesland 24 3274CH Heinenoord                | 92.513   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 92.887   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 92.421   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 92.565   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^E  | Kalesland 54 3274CH Heinenoord                | 92.574   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 92.216   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 92.333   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 92.368   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 92.721   | 426.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 92.278   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 92.367   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 92.157   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                            | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                      |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ^M Kalesland 48                | 3274CH Heinenoord    | 92.564   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^N Buitenlanden 9              | 3274MB Heinenoord    | 92.893   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^O Wiardi Beckmanhof 10        | 3274CX Heinenoord    | 92.668   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^P Kalesland 74                | 3274CH Heinenoord    | 92.592   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Q Rietwaard 18                | 3274MA Heinenoord    | 92.810   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^R Oranjestraat 25             | 3274AK Heinenoord    | 92.266   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^S Heyne van Althenastraat 20  | 3274CD Heinenoord    | 92.458   | 426.756   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^T Kalesland 15                | 3274CH Heinenoord    | 92.555   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^U Buitenlanden 10             | 3274MB Heinenoord    | 92.928   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^V Heyne van Althenastraat 38  | 3274CD Heinenoord    | 92.571   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^W Spuibedelen 13              | 3274CM Heinenoord    | 92.532   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^X Rietwaard 13                | 3274MA Heinenoord    | 92.857   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Y Wouter van den Walestr      | 24 3274CR Heinenoord | 92.334   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Z Abraham Kuyperhof 12        | 3274CW Heinenoord    | 92.766   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _A Kalesland 12                | 3274CH Heinenoord    | 92.480   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _B Hermannushof 18             | 3274CE Heinenoord    | 92.560   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _C Willem de Zwijgerstraat 12  | 3274AL Heinenoord    | 92.175   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _D Prof. Teldersstraat 8       | 3274MC Heinenoord    | 92.832   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _E Margrietstraat 15           | 3274AH Heinenoord    | 92.292   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _F Emmastraat 18               | 3274AC Heinenoord    | 92.284   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _G Abraham Kuyperhof 17        | 3274CW Heinenoord    | 92.765   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _H John F. Kennedystraat 6     | 3274CG Heinenoord    | 92.669   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _I John F. Kennedystraat 30    | 3274CG Heinenoord    | 92.793   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _J Oranjestraat 18             | 3274AK Heinenoord    | 92.166   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _K Avenhil 26                  | 3274CT Heinenoord    | 92.726   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _L Spuibedelen 4               | 3274CM Heinenoord    | 92.566   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _M Wouter van den Walestr 6    | 3274CR Heinenoord    | 92.332   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _N Martin Luther Kingstraat 18 | 3274CK Heinenoord    | 92.432   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _O Rietwaard 12                | 3274MA Heinenoord    | 92.800   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _P Bernhardstraat 10           | 3274AB Heinenoord    | 92.244   | 426.853   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Q Kalesland 62                | 3274CH Heinenoord    | 92.596   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _R John F. Kennedystraat 53    | 3274CG Heinenoord    | 92.586   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _S Kooimansland 20             | 3274CJ Heinenoord    | 92.390   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _T Boerengorzen 7              | 3274CV Heinenoord    | 92.781   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _U Talmahof 12                 | 3274CN Heinenoord    | 92.490   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _V John F. Kennedystraat 81    | 3274CG Heinenoord    | 92.793   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _W Rietwaard 15                | 3274MA Heinenoord    | 92.870   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _X Oosteinde 43                | 3274KB Heinenoord    | 92.634   | 426.606   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Y De Laagjes 9                | 3274CB Heinenoord    | 92.470   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Z Beatrixstraat 40            | 3274AA Heinenoord    | 92.204   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `A Prof. Teldersstraat 51      | 3274MC Heinenoord    | 92.877   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `B Heyne van Althenastraat 24  | 3274CD Heinenoord    | 92.471   | 426.753   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `C Andries Woutershof 22       | 3274CA Heinenoord    | 92.501   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `D Bernhardstraat 14           | 3274AB Heinenoord    | 92.257   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `E Dreeshof 8                  | 3274CC Heinenoord    | 92.575   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `F Irenestraat 32              | 3274AE Heinenoord    | 92.297   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `G Dorpsstraat 12              | 3274BD Heinenoord    | 92.396   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `H Wouter van den Walestr      | 40 3274CS Heinenoord | 92.362   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `I Prof. Teldersstraat 2       | 3274MC Heinenoord    | 92.832   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `J Wouter van den Walestr      | 10 3274CR Heinenoord | 92.329   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `K De Laagjes 32               | 3274CB Heinenoord    | 92.532   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `L Margrietstraat 7            | 3274AH Heinenoord    | 92.286   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `M Irenestraat 11              | 3274AD Heinenoord    | 92.241   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `N Bernhardstraat 1 D          | 3274AB Heinenoord    | 92.193   | 426.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `O Prof. Teldersstraat 1       | 3274CZ Heinenoord    | 92.800   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `P Willem de Zwijgerstraat 10  | 3274AL Heinenoord    | 92.168   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Q Wouter van den Walestr      | 14 3274CR Heinenoord | 92.329   | 426.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `R John F. Kennedystraat 63    | 3274CG Heinenoord    | 92.698   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `S Prof. Teldersstraat 19      | 3274CZ Heinenoord    | 92.799   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `T Emmastraat 36               | 3274AC Heinenoord    | 92.191   | 426.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `U Marijkewstraat 1            | 3274AJ Heinenoord    | 92.256   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `V Spuibedelen 27              | 3274CM Heinenoord    | 92.576   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `W Bernhardstraat 1            | 3274AB Heinenoord    | 92.199   | 426.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                       | Name                   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|---------------------------|------------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                           |                        |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ^X Wouter van den Walestr | 62 3274CS Heinenoord   | 92.365   | 426.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Y John F. Kennedystraat  | 61 3274CG Heinenoord   | 92.692   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Z Wouter van den Walestr | 68 3274CS Heinenoord   | 92.368   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A Weerkant               | 88 2993DA Barendrecht  | 94.229   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B Weerkant               | 5 2993DA Barendrecht   | 94.255   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C Weerkant               | 72 2993DA Barendrecht  | 94.321   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D Zalmwater              | 111 2993DX Barendrecht | 94.221   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E Weerkant               | 37 2993DA Barendrecht  | 94.178   | 428.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F Weerkant               | 166 2993DA Barendrecht | 94.229   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G Weerkant               | 128 2993DA Barendrecht | 94.222   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H Weerkant               | 56 2993DA Barendrecht  | 94.319   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {I Weerkant               | 23 2993DA Barendrecht  | 94.216   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {J Weerkant               | 25 2993DA Barendrecht  | 94.210   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {K Weerkant               | 21 2993DA Barendrecht  | 94.221   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {L Weerkant               | 66 2993DA Barendrecht  | 94.313   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {M Weerkant               | 120 2993DA Barendrecht | 94.229   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {N Zalmwater              | 121 2993DX Barendrecht | 94.188   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {O Weerkant               | 22 2993DA Barendrecht  | 94.321   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {P Weerkant               | 162 2993DA Barendrecht | 94.223   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Q Zalmwater              | 123 2993DX Barendrecht | 94.182   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {R Weerkant               | 54 2993DA Barendrecht  | 94.311   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {S Weerkant               | 44 2993DA Barendrecht  | 94.316   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {T Weerkant               | 108 2993DA Barendrecht | 94.225   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {U Weerkant               | 8 2993DA Barendrecht   | 94.322   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {V Weerkant               | 150 2993DA Barendrecht | 94.227   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {W Zalmwater              | 131 2993DX Barendrecht | 94.156   | 428.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {X Weerkant               | 35 2993DA Barendrecht  | 94.183   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Y Weerkant               | 28 2993DA Barendrecht  | 94.314   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Z Weerkant               | 98 2993DA Barendrecht  | 94.230   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A Weerkant               | 124 2993DA Barendrecht | 94.225   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B Weerkant               | 52 2993DA Barendrecht  | 94.320   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C Kuitkant               | 169 2993DV Barendrecht | 94.338   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D Weerkant               | 36 2993DA Barendrecht  | 94.312   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E Weerkant               | 2 2993DA Barendrecht   | 94.320   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F Weerkant               | 27 2993DA Barendrecht  | 94.205   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G Weerkant               | 29 2993DA Barendrecht  | 94.199   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H Weerkant               | 90 2993DA Barendrecht  | 94.227   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {I Weerkant               | 160 2993DA Barendrecht | 94.221   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {J Zalmwater              | 117 2993DX Barendrecht | 94.201   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {K Koedood                | 2 2993AL Barendrecht   | 94.270   | 428.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {L Weerkant               | 11 2993DA Barendrecht  | 94.254   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {M Weerkant               | 15 2993DA Barendrecht  | 94.237   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {N Weerkant               | 16 2993DA Barendrecht  | 94.321   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {O Weerkant               | 40 2993DA Barendrecht  | 94.316   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {P Weerkant               | 74 2993DA Barendrecht  | 94.322   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Q Weerkant               | 78 2993DA Barendrecht  | 94.314   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {R Weerkant               | 102 2993DA Barendrecht | 94.227   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {S Harderwater            | 51 2993DW Barendrecht  | 94.274   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {T Zalmwater              | 119 2993DX Barendrecht | 94.195   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {U Zalmwater              | 129 2993DX Barendrecht | 94.163   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {V Weerkant               | 156 2993DA Barendrecht | 94.221   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {W Spieringwater          | 3 2993DM Barendrecht   | 94.158   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {X Weerkant               | 7 2993DA Barendrecht   | 94.255   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Y Weerkant               | 13 2993DA Barendrecht  | 94.254   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Z Weerkant               | 3 2993DA Barendrecht   | 94.256   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A Weerkant               | 9 2993DA Barendrecht   | 94.255   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B Weerkant               | 110 2993DA Barendrecht | 94.227   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C Weerkant               | 142 2993DA Barendrecht | 94.233   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D Weerkant               | 154 2993DA Barendrecht | 94.223   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E Weerkant               | 164 2993DA Barendrecht | 94.225   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F Weerkant               | 152 2993DA Barendrecht | 94.225   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G Zalmwater              | 113 2993DX Barendrecht | 94.213   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H Weerkant               | 50 2993DA Barendrecht  | 94.322   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| J   | I Weerkant 58 2993DA Barendrecht             | 94.317   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | J Kuipersveer 9 3274KH Heinenoord            | 97.706   | 425.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | K Kuipersveer 7 3274KH Heinenoord            | 97.711   | 425.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | L Kuipersveer 3 3274KH Heinenoord            | 97.762   | 425.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | M Kuipersveer 5 3274KH Heinenoord            | 97.770   | 425.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | N Kuipersveer 1 A 3274KH Heinenoord          | 97.737   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | O Ziedewijdsekade 14 2991VS Barendrecht      | 97.379   | 427.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | P 3e Barendrechtseweg 555 2991SH Barendrecht | 96.384   | 427.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Q 3e Barendrechtseweg 454 2992SN Barendrecht | 96.331   | 428.132   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | R Ziedewijdsekade 36 2991SE Barendrecht      | 96.966   | 427.774   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | S 3e Barendrechtseweg 545 2991SH Barendrecht | 96.375   | 428.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | T Ziedewijdsekade 18 2991VS Barendrecht      | 97.248   | 427.775   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | U Ziedewijdsekade 72 2991SE Barendrecht      | 96.547   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | V Ziedewijdsekade 1 2991VS Barendrecht       | 97.493   | 427.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | W 3e Barendrechtseweg 541 2991SH Barendrecht | 96.375   | 428.077   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | X Achterzeedijk 11 2991SB Barendrecht        | 96.449   | 427.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Y Ziedewijdsekade 70 2991SE Barendrecht      | 96.571   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Z Ziedewijdsekade 10 2991VS Barendrecht      | 97.590   | 427.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | A 3e Barendrechtseweg 559 2991SH Barendrecht | 96.372   | 427.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | B Ziedewijdsekade 12 2991VS Barendrecht      | 97.633   | 427.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | C Ziedewijdsekade 34 2991SE Barendrecht      | 97.009   | 427.777   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | D Achterzeedijk 1 2991SB Barendrecht         | 97.077   | 427.630   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | E Achterzeedijk 1 a 1 2991SB Barendrecht     | 97.394   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | F Achterzeedijk 1 a 2 2991SB Barendrecht     | 97.392   | 427.477   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | G Achterzeedijk 1 a 3 2991SB Barendrecht     | 97.386   | 427.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | H Achterzeedijk 1 a 4 2991SB Barendrecht     | 97.382   | 427.439   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | I Achterzeedijk 1 a 6 2991SB Barendrecht     | 97.368   | 427.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | J Achterzeedijk 1 a 7 2991SB Barendrecht     | 97.356   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | K Achterzeedijk 1 a 8 2991SB Barendrecht     | 97.347   | 427.453   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | L Achterzeedijk 1 a 9 2991SB Barendrecht     | 97.345   | 427.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | M Achterzeedijk 1 a 10 2991SB Barendrecht    | 97.346   | 427.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | N Achterzeedijk 1 a 11 2991SB Barendrecht    | 97.338   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | O Achterzeedijk 1 a 12 2991SB Barendrecht    | 97.333   | 427.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | P Achterzeedijk 1 a 14 2991SB Barendrecht    | 97.319   | 427.508   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Q Achterzeedijk 1 a 16 2991SB Barendrecht    | 97.301   | 427.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | R Achterzeedijk 1 a 17 2991SB Barendrecht    | 97.297   | 427.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | S Achterzeedijk 1 a 18 2991SB Barendrecht    | 97.294   | 427.518   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | T Achterzeedijk 1 a 19 2991SB Barendrecht    | 97.294   | 427.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | U Achterzeedijk 1 a 20 2991SB Barendrecht    | 97.285   | 427.484   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | V Achterzeedijk 1 a 21 2991SB Barendrecht    | 97.284   | 427.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | W Achterzeedijk 1 a 22 2991SB Barendrecht    | 97.273   | 427.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | X Achterzeedijk 1 a 23 2991SB Barendrecht    | 97.261   | 427.513   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Y Achterzeedijk 1 a 24 2991SB Barendrecht    | 97.252   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Z Achterzeedijk 1 a 26 2991SB Barendrecht    | 97.250   | 427.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?A  | Achterzeedijk 1 a 53 2991SB Barendrecht      | 97.085   | 427.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?B  | Achterzeedijk 1 a 54 2991SB Barendrecht      | 97.079   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?C  | Achterzeedijk 1 a 55 2991SB Barendrecht      | 97.075   | 427.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?D  | Achterzeedijk 1 a 56 2991SB Barendrecht      | 97.069   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?E  | Achterzeedijk 1 a 13 2991SB Barendrecht      | 97.329   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?F  | Achterzeedijk 1 a 15 2991SB Barendrecht      | 97.311   | 427.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?G  | Achterzeedijk 1 a 25 2991SB Barendrecht      | 97.249   | 427.554   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?H  | Achterzeedijk 1 a 5 2991SB Barendrecht       | 97.378   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?I  | Kuipersveer 15 3274KH Heinenoord             | 97.606   | 426.230   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?J  | Kuipersveer 31 3274KH Heinenoord             | 97.501   | 426.403   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?K  | Kuipersveer 15 A 3274KH Heinenoord           | 97.591   | 426.257   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?L  | Kuipersveer 23 3274KH Heinenoord             | 97.535   | 426.329   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?M  | Kuipersveer 13 3274KH Heinenoord             | 97.623   | 426.174   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?N  | Kuipersveer 15 D 3274KH Heinenoord           | 97.562   | 426.295   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?O  | Kuipersveer 19 3274KH Heinenoord             | 97.545   | 426.312   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?P  | Kuipersveer 25 3274KH Heinenoord             | 97.526   | 426.343   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?Q  | Kuipersveer 21 3274KH Heinenoord             | 97.539   | 426.323   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?R  | Kuipersveer 35 3274KH Heinenoord             | 97.529   | 426.410   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?S  | Kuipersveer 15 C 3274KH Heinenoord           | 97.576   | 426.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ?TKuipersveer 17               | 3274KH Heinenoord  | 97.549   | 426.307   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| A Blaaksedijk West 28          | 3274LE Heinenoord  | 94.023   | 425.651   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •A Achterzeedijk 1 a 27        | 2991SB Barendrecht | 97.243   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AA Blaaksedijk West 26         | 3274LE Heinenoord  | 94.070   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aA Martin Luther Kingstraat 44 | 3274CL Heinenoord  | 92.526   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AB Doormanstraat 15            | 3274LK Heinenoord  | 94.658   | 425.375   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ab Rietwaard 22                | 3274MA Heinenoord  | 92.878   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aC Kalesland 68                | 3274CH Heinenoord  | 92.605   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AC Mollekade 11                | 3274LN Heinenoord  | 94.528   | 425.645   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aD Hermannushof 12             | 3274CE Heinenoord  | 92.541   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AD Boonsweg 55                 | 3274LH Heinenoord  | 95.277   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AE Doormanstraat 19            | 3274LK Heinenoord  | 94.664   | 425.387   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aE De Laagjes 24               | 3274CB Heinenoord  | 92.509   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AF Doormanstraat 35            | 3274LK Heinenoord  | 94.682   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| af Wouter van den Walestr 42   | 3274CS Heinenoord  | 92.361   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aG Avenhil 29                  | 3274CT Heinenoord  | 92.733   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AG Doormanstraat 12            | 3274LK Heinenoord  | 94.692   | 425.406   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aH Beatrixstraat 50            | 3274AA Heinenoord  | 92.212   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AH Mollekade 24 A              | 3274LP Heinenoord  | 94.553   | 425.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AI Doormanstraat 21            | 3274LK Heinenoord  | 94.667   | 425.394   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| al Martin Luther Kingstraat 38 | 3274CL Heinenoord  | 92.507   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aj Koomansland 34              | 3274CJ Heinenoord  | 92.445   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AJ de Ruyterstraat 6 B         | 3274LJ Heinenoord  | 94.524   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ak Martin Luther Kingstraat 20 | 3274CK Heinenoord  | 92.439   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AK Trompstraat 20              | 3274LT Heinenoord  | 94.635   | 425.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aL Spuibedden 1                | 3274CM Heinenoord  | 92.531   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AL van Galenstraat 11          | 3274LV Heinenoord  | 94.534   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aM Oranjestraat 22             | 3274AK Heinenoord  | 92.188   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AM Gorzenweg 2                 | 3274LL Heinenoord  | 95.503   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AN Mollekade 17                | 3274LN Heinenoord  | 94.552   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aN Koomansland 15              | 3274CJ Heinenoord  | 92.474   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aO De Laagjes 34               | 3274CB Heinenoord  | 92.538   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AO Mollekade 21                | 3274LN Heinenoord  | 94.566   | 425.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AP de Ruyterstraat 10          | 3274LJ Heinenoord  | 94.658   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aP Boerengorzen 12             | 3274CV Heinenoord  | 92.754   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aQ Hermannushof 22             | 3274CE Heinenoord  | 92.582   | 426.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AQ Mollekade 3 A               | 3274LN Heinenoord  | 94.488   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aR Prof. Teldersstraat 17      | 3274CZ Heinenoord  | 92.799   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AR Doormanstraat 31            | 3274LK Heinenoord  | 94.676   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AS Gorzenweg 1 A               | 3274LL Heinenoord  | 95.716   | 425.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aS Avenhil 31                  | 3274CT Heinenoord  | 92.738   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AT de Ruyterstraat 4 A         | 3274LJ Heinenoord  | 94.527   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aT Martin Luther Kingstraat 4  | 3274CK Heinenoord  | 92.386   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aU Emmastraat 5                | 3274AC Heinenoord  | 92.231   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AU de Ruyterstraat 6 A         | 3274LJ Heinenoord  | 94.524   | 425.505   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aV Prof. Teldersstraat 33      | 3274MC Heinenoord  | 92.854   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AV Mollekade 13 A              | 3274LN Heinenoord  | 94.541   | 425.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aW Abraham Kuyperhof 6         | 3274CW Heinenoord  | 92.721   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AW Blaaksedijk West 15         | 3274LD Heinenoord  | 94.221   | 425.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aX Prof. Teldersstraat 9       | 3274CZ Heinenoord  | 92.801   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AX Doormanstraat 25            | 3274LK Heinenoord  | 94.672   | 425.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AY Blaaksedijk West 16 A       | 3274LE Heinenoord  | 94.260   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aY Andries Woutershof 6        | 3274CA Heinenoord  | 92.466   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AZ Gorzenweg 1                 | 3274LL Heinenoord  | 95.615   | 425.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aZ Beatrixstraat 25            | 3274AA Heinenoord  | 92.188   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| B Blaaksedijk West 49          | 3274LD Heinenoord  | 93.567   | 425.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •B Achterzeedijk 1 a 28        | 2991SB Barendrecht | 97.237   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bA Koomansland 9               | 3274CJ Heinenoord  | 92.450   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BA Nijverheidsweg 32           | 3274KJ Heinenoord  | 95.394   | 425.284   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BB Blaaksedijk West 19         | 3274LD Heinenoord  | 94.188   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bb Avenhil 22                  | 3274CT Heinenoord  | 92.711   | 426.950   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BC Mollekade 15                | 3274LN Heinenoord  | 94.545   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bC John F. Kennedystraat 87    | 3274CG Heinenoord  | 92.855   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name                                       | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord | 92.798   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BD  | Trompstraat 10 3274LT Heinenoord           | 94.621   | 425.414   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BE  | Mollekade 27 3274LN Heinenoord             | 94.617   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bE  | Irenestraat 17 3274AD Heinenoord           | 92.244   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BF  | Blaaksedijk West 21 3274LD Heinenoord      | 94.177   | 425.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bF  | Spuivelden 23 3274CM Heinenoord            | 92.578   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bg  | Kalesland 36 3274CH Heinenoord             | 92.534   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BG  | Piet Heinstraat 1 3274LR Heinenoord        | 94.628   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bH  | Kooimansland 4 3274CJ Heinenoord           | 92.414   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BH  | Mollekade 1 3274LN Heinenoord              | 94.478   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BI  | de Ruyterstraat 15 3274LJ Heinenoord       | 94.667   | 425.521   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bl  | Jan de Rooystraat 1 3274NA Heinenoord      | 92.628   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bJ  | Jan de Rooystraat 3 3274NA Heinenoord      | 92.627   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BJ  | Blaaksedijk West 14 3274LE Heinenoord      | 94.286   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bK  | Jan de Rooystraat 5 3274NA Heinenoord      | 92.626   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BK  | Mollekade 8 3274LP Heinenoord              | 94.518   | 425.481   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BL  | de Ruyterstraat 2 B 3274LJ Heinenoord      | 94.529   | 425.523   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bL  | Jan de Rooystraat 7 3274NA Heinenoord      | 92.623   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BM  | van Galenstraat 4 3274LV Heinenoord        | 94.587   | 425.507   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bM  | Jan de Rooystraat 9 3274NA Heinenoord      | 92.621   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BN  | Mollekade 23 A 3274LN Heinenoord           | 94.587   | 425.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bN  | Jan de Rooystraat 11 3274NA Heinenoord     | 92.620   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BO  | Blaaksedijk West 20 3274LE Heinenoord      | 94.165   | 425.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bO  | Jan de Rooystraat 13 3274NA Heinenoord     | 92.619   | 426.726   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bP  | Jan de Rooystraat 2 3274NA Heinenoord      | 92.663   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BP  | Doormanstraat 45 3274LK Heinenoord         | 94.686   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BQ  | de Ruyterstraat 4 B 3274LJ Heinenoord      | 94.526   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bQ  | Jan de Rooystraat 4 3274NA Heinenoord      | 92.662   | 426.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BR  | Nijverheidsweg 7 3274KJ Heinenoord         | 95.525   | 425.232   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bR  | Jan de Rooystraat 6 3274NA Heinenoord      | 92.660   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bS  | Jan de Rooystraat 8 3274NA Heinenoord      | 92.656   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BS  | Gorzenweg 9 3274LL Heinenoord              | 95.389   | 425.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bT  | Jan de Rooystraat 10 3274NA Heinenoord     | 92.655   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BT  | Mollekade 9 3274LN Heinenoord              | 94.520   | 425.612   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BU  | de Ruyterstraat 14 3274LJ Heinenoord       | 94.670   | 425.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bU  | Jan de Rooystraat 12 3274NA Heinenoord     | 92.654   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BV  | Boonsweg 69 3274LH Heinenoord              | 95.303   | 425.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bV  | Jan de Rooystraat 14 3274NA Heinenoord     | 92.652   | 426.730   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BW  | Boonsweg 65 3274LH Heinenoord              | 95.295   | 425.528   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bW  | Jan de Rooystraat 16 3274NA Heinenoord     | 92.651   | 426.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BX  | Trompstraat 14 3274LT Heinenoord           | 94.623   | 425.426   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bX  | Arie Jongekrijgstraat 1 3274NB Heinenoord  | 92.695   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BY  | Blaaksedijk West 18 3274LE Heinenoord      | 94.241   | 425.524   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bY  | Arie Jongekrijgstraat 3 3274NB Heinenoord  | 92.689   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BZ  | van Galenstraat 7 3274LV Heinenoord        | 94.596   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bZ  | Arie Jongekrijgstraat 5 3274NB Heinenoord  | 92.691   | 426.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| C   | Blaaksedijk West 34 3274LE Heinenoord      | 93.916   | 425.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht    | 97.235   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord | 92.677   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord       | 94.685   | 425.516   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord | 92.692   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CB  | Trompstraat 16 3274LT Heinenoord           | 94.633   | 425.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord | 92.709   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CC  | Blaaksedijk West 12 3274LE Heinenoord      | 94.347   | 425.489   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CD  | Boonsweg 14 3274LH Heinenoord              | 95.402   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord | 92.718   | 426.702   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CE  | Mollekade 10 3274LP Heinenoord             | 94.519   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord | 92.729   | 426.701   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CF  | Gorzenweg 5 3274LL Heinenoord              | 95.503   | 425.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord | 92.739   | 426.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord  | 92.715   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CG  | van Galenstraat 14 3274LV Heinenoord       | 94.576   | 425.452   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CH  | Trompstraat 22 3274LT Heinenoord           | 94.639   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 92.715   | 426.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 92.713   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 94.588   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 92.712   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CJ  | Mollekade 13 3274LN Heinenoord               | 94.534   | 425.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 92.718   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CK  | Doormanstraat 37 3274LK Heinenoord           | 94.683   | 425.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 92.710   | 426.761   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 94.577   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cM  | Arie Jongekrijgstraat 14 3274NB Heinenoord   | 92.709   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CM  | Boonsweg 12 3274LH Heinenoord                | 95.390   | 425.659   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CN  | Piet Heinstraat 2 3274LR Heinenoord          | 94.637   | 425.412   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cN  | Arie Jongekrijgstraat 16 3274NB Heinenoord   | 92.708   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cO  | Arie Jongekrijgstraat 18 3274NB Heinenoord   | 92.707   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CO  | Doormanstraat 33 3274LK Heinenoord           | 94.669   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CP  | Piet Heinstraat 3 3274LR Heinenoord          | 94.635   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cP  | Arie Jongekrijgstraat 20 3274NB Heinenoord   | 92.707   | 426.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cQ  | Opper Van Treurenstraat 2 3274ND Heinenoord  | 92.777   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CQ  | van Galenstraat 16 3274LV Heinenoord         | 94.572   | 425.446   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CR  | Gorzenweg 7 3274LL Heinenoord                | 95.464   | 425.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cR  | Opper Van Treurenstraat 4 3274ND Heinenoord  | 92.777   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CS  | Doormanstraat 27 3274LK Heinenoord           | 94.669   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cS  | Opper Van Treurenstraat 6 3274ND Heinenoord  | 92.776   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CT  | de Ruyterstraat 19 3274LJ Heinenoord         | 94.705   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cT  | Opper Van Treurenstraat 8 3274ND Heinenoord  | 92.776   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cU  | Opper Van Treurenstraat 10 3274ND Heinenoord | 92.775   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CU  | Trompstraat 12 3274LT Heinenoord             | 94.622   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CV  | Nijverheidsweg 47 3274KJ Heinenoord          | 95.465   | 425.302   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cV  | Opper Van Treurenstraat 12 3274ND Heinenoord | 92.775   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Doormanstraat 39 3274LK Heinenoord           | 94.684   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Opper Van Treurenstraat 14 3274ND Heinenoord | 92.775   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cX  | Opper Van Treurenstraat 16 3274ND Heinenoord | 92.774   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CX  | Boonsweg 6 3274LH Heinenoord                 | 95.351   | 425.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CY  | Piet Heinstraat 9 3274LR Heinenoord          | 94.658   | 425.445   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cY  | Opper Van Treurenstraat 18 3274ND Heinenoord | 92.774   | 426.808   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cZ  | Opper Van Treurenstraat 20 3274ND Heinenoord | 92.773   | 426.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CZ  | Nijverheidsweg 8 3274KJ Heinenoord           | 95.544   | 425.248   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| D   | Blaaksedijk West 41 3274LD Heinenoord        | 93.876   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •D  | Achterzeedijk 1 a 30 2991SB Barendrecht      | 97.225   | 427.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| da  | Opper Van Treurenstraat 22 3274ND Heinenoord | 92.773   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DA  | Boonsweg 4 3274LH Heinenoord                 | 95.346   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dB  | Opper Van Treurenstraat 24 3274ND Heinenoord | 92.773   | 426.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DB  | de Ruyterstraat 2 A 3274LJ Heinenoord        | 94.529   | 425.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dc  | Opper Van Treurenstraat 26 3274ND Heinenoord | 92.772   | 426.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DC  | van Galenstraat 1 3274LV Heinenoord          | 94.608   | 425.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DD  | Mollekade 7 3274LN Heinenoord                | 94.502   | 425.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dD  | Opper Van Treurenstraat 28 3274ND Heinenoord | 92.772   | 426.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DE  | Mollekade 4 3274LP Heinenoord                | 94.516   | 425.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dE  | Opper Van Treurenstraat 30 3274ND Heinenoord | 92.771   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DF  | Mollekade 2 3274LP Heinenoord                | 94.515   | 425.463   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dF  | Opper Van Treurenstraat 32 3274ND Heinenoord | 92.771   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dG  | Opper Van Treurenstraat 34 3274ND Heinenoord | 92.769   | 426.759   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DG  | van Galenstraat 28 3274LV Heinenoord         | 94.509   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DH  | Mollekade 6 3274LP Heinenoord                | 94.517   | 425.475   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dH  | Opper Van Treurenstraat 36 3274ND Heinenoord | 92.768   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dI  | Opper Van Treurenstraat 38 3274ND Heinenoord | 92.768   | 426.751   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DI  | Mollekade 26 C 3274LP Heinenoord             | 94.621   | 425.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DJ  | Mollekade 26 A 3274LP Heinenoord             | 94.605   | 425.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dJ  | Opper Van Treurenstraat 40 3274ND Heinenoord | 92.767   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DK  | Nijverheidsweg 36 3274KJ Heinenoord          | 95.512   | 425.322   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dK  | Opper Van Treurenstraat 42 3274ND Heinenoord | 92.767   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DL  | Doormanstraat 18 3274LK Heinenoord           | 94.705   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dL  | Opper Van Treurenstraat 44 3274ND Heinenoord | 92.766   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| dM  | Opper Van Treurenstraat 46 3274ND Heinenoord | 92.766   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DM  | de Ruyterstraat 9 3274LJ Heinenoord          | 94.591   | 425.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DN  | van Galenstraat 20 3274LV Heinenoord         | 94.530   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dN  | Opper Van Treurenstraat 48 3274ND Heinenoord | 92.765   | 426.731   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DO  | Mollekade 5 3274LN Heinenoord                | 94.497   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dO  | Opper Van Treurenstraat 50 3274ND Heinenoord | 92.765   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DP  | Mollekade 25 3274LN Heinenoord               | 94.598   | 425.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dP  | Opper Van Treurenstraat 52 3274ND Heinenoord | 92.765   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DQ  | Blaaksedijk West 17 3274LD Heinenoord        | 94.212   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 92.764   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 94.621   | 425.532   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 92.764   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 92.763   | 426.695   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 94.686   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 92.762   | 426.689   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DT  | Mollekade 19 3274LN Heinenoord               | 94.556   | 425.758   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 92.761   | 426.683   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DU  | Trompstraat 6 3274LT Heinenoord              | 94.618   | 425.404   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 92.761   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DV  | Trompstraat 24 3274LT Heinenoord             | 94.639   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 95.510   | 425.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 92.760   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 94.705   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 92.759   | 426.665   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 94.515   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 92.747   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 92.746   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 94.598   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 94.134   | 425.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 97.213   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 92.746   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 94.579   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 92.744   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 94.506   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 94.648   | 425.423   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 92.745   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 94.537   | 425.449   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 92.744   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 92.743   | 426.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 94.568   | 425.545   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 92.741   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EF  | Mollekade 26 3274LP Heinenoord               | 94.573   | 425.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 92.740   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 94.666   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 92.740   | 426.754   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 94.584   | 425.493   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 92.739   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 94.708   | 425.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 94.651   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 92.737   | 426.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 95.540   | 425.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 92.737   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 92.736   | 426.733   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 94.664   | 425.399   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 92.731   | 426.669   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 94.687   | 425.479   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EN  | Trompstraat 8 3274LT Heinenoord              | 94.619   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 92.723   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EO  | Trompstraat 4 3274LT Heinenoord              | 94.614   | 425.398   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 92.712   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 94.640   | 425.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 92.703   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 92.692   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.  | Name              | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|-------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |                   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| EQ van Galenstraat 13                      | 3274LV Heinenoord | 94.515   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eR Engel de Raatpad 12                     | 3274NC Heinenoord | 92.685   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ER Mollekade 12                            | 3274LP Heinenoord | 94.520   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eS Engel de Raatpad 14                     | 3274NC Heinenoord | 92.671   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ES van Galenstraat 22                      | 3274LV Heinenoord | 94.525   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ET Doormanstraat 29                        | 3274LK Heinenoord | 94.670   | 425.418   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eT Jan van Vlietstraat 1                   | 3274NE Heinenoord | 92.809   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eU Jan van Vlietstraat 3                   | 3274NE Heinenoord | 92.808   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EU Doormanstraat 17                        | 3274LK Heinenoord | 94.661   | 425.382   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eV Jan van Vlietstraat 5                   | 3274NE Heinenoord | 92.807   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EV Doormanstraat 10                        | 3274LK Heinenoord | 94.691   | 425.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eW Jan van Vlietstraat 7                   | 3274NE Heinenoord | 92.806   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EW Doormanstraat 14                        | 3274LK Heinenoord | 94.696   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EX Trompstraat 18                          | 3274LT Heinenoord | 94.634   | 425.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eX Jan van Vlietstraat 9                   | 3274NE Heinenoord | 92.805   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EY van Galenstraat 8                       | 3274LV Heinenoord | 94.582   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eY Jan van Vlietstraat 19                  | 3274NE Heinenoord | 92.795   | 426.692   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eZ Jan van Vlietstraat 21                  | 3274NE Heinenoord | 92.794   | 426.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EZ de Ruyterstraat 5                       | 3274LJ Heinenoord | 94.534   | 425.551   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| F Blaaksedijk West 55                      | 3274LD Heinenoord | 93.509   | 425.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •F Achterzeedijk 1 a 32 2991SB Barendrecht |                   | 97.204   | 427.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FA Trompstraat 26                          | 3274LT Heinenoord | 94.641   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fA Jan van Vlietstraat 23                  | 3274NE Heinenoord | 92.794   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FB van Galenstraat 24                      | 3274LV Heinenoord | 94.520   | 425.454   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fb Jan van Vlietstraat 25                  | 3274NE Heinenoord | 92.793   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FC van Galenstraat 3                       | 3274LV Heinenoord | 94.606   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fC Jan van Vlietstraat 27                  | 3274NE Heinenoord | 92.792   | 426.668   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fd Jan van Vlietstraat 29                  | 3274NE Heinenoord | 92.792   | 426.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FD Piet Heinstraat 6                       | 3274LR Heinenoord | 94.652   | 425.422   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE Wouter van den Walestr 11               | 3274CR Heinenoord | 92.402   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE De Ruyterstraat 13                      | 3274LJ Heinenoord | 94.644   | 425.519   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FF Mollekade 7 A                           | 3274LN Heinenoord | 94.515   | 425.591   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ff Wouter van den Walestr 13               | 3274CR Heinenoord | 92.402   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fG Wouter van den Walestr 15               | 3274CR Heinenoord | 92.403   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FG Blaaksedijk West 16                     | 3274LE Heinenoord | 94.251   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fh Wouter van den Walestr 17               | 3274CR Heinenoord | 92.403   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FH Oosteinde 5                             | 3274KB Heinenoord | 92.991   | 426.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fI Wouter van den Walestr 19               | 3274CR Heinenoord | 92.404   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FI Oosteinde 11                            | 3274KB Heinenoord | 92.959   | 426.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FJ Oosteinde 1                             | 3274KB Heinenoord | 93.032   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fj Wouter van den Walestr 21               | 3274CR Heinenoord | 92.404   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FK Oosteinde 3                             | 3274KB Heinenoord | 92.995   | 426.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fK Wouter van den Walestr 23               | 3274CR Heinenoord | 92.405   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FL Oud-Heinenoordseweg 9                   | 3274KD Heinenoord | 92.665   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fl Wouter van den Walestr 25               | 3274CR Heinenoord | 92.405   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fM Wouter van den Walestr 27               | 3274CR Heinenoord | 92.406   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FM Oud-Heinenoordseweg 3                   | 3274KD Heinenoord | 92.641   | 426.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FN Oosteinde 13                            | 3274KB Heinenoord | 92.956   | 426.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fn Wouter van den Walestr 29               | 3274CR Heinenoord | 92.406   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fO Wouter van den Walestr 31               | 3274CR Heinenoord | 92.407   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FO Oosteinde 7                             | 3274KB Heinenoord | 92.988   | 426.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fp Wouter van den Walestr 33               | 3274CR Heinenoord | 92.407   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FP Oosteinde 27                            | 3274KB Heinenoord | 92.815   | 426.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fQ Wouter van den Walestr 35               | 3274CR Heinenoord | 92.408   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FQ Oud-Heinenoordseweg 8                   | 3274KD Heinenoord | 92.698   | 426.370   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FR Oosteinde 25                            | 3274KB Heinenoord | 92.837   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fR Wouter van den Walestr 37               | 3274CR Heinenoord | 92.408   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FS Oud-Heinenoordseweg 10                  | 3274KD Heinenoord | 92.718   | 426.203   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fS Wouter van den Walestr 39               | 3274CR Heinenoord | 92.409   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Wouter van den Walestr 41               | 3274CR Heinenoord | 92.409   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Oud-Heinenoordseweg 7                   | 3274KD Heinenoord | 92.658   | 426.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fU Wouter van den Walestr 43               | 3274CR Heinenoord | 92.410   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FU Oud-Heinenoordseweg 1                   | 3274KD Heinenoord | 92.637   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord  | 92.410   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FV  | Oosteinde 19 3274KB Heinenoord               | 92.899   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fw  | Wouter van den Walestr 47 3274CR Heinenoord  | 92.411   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord      | 92.650   | 426.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fx  | Dorpsstraat 8 3274BD Heinenoord              | 92.409   | 426.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord     | 92.718   | 426.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord     | 92.679   | 426.498   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Jan van Vlietstraat 11 3274NE Heinenoord     | 92.800   | 426.765   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FZ  | Oosteinde 17 3274KB Heinenoord               | 92.930   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 92.799   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 93.599   | 425.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 97.202   | 427.574   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 92.684   | 426.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 92.799   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 92.798   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GB  | Oosteinde 21 3274KB Heinenoord               | 92.878   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GC  | Oosteinde 9 3274KB Heinenoord                | 92.969   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 92.798   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 92.673   | 426.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gd  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 92.797   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GE  | Oosteinde 31 3274KB Heinenoord               | 92.753   | 426.596   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 92.797   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 92.797   | 426.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 92.782   | 426.222   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GG  | Oosteinde 15 3274KB Heinenoord               | 92.945   | 426.559   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 92.681   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 92.679   | 426.741   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 92.683   | 426.492   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 92.679   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 92.698   | 426.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 92.994   | 426.566   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 92.677   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 93.254   | 426.304   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 93.014   | 426.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 92.672   | 426.438   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 93.343   | 426.207   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GM  | Oosteinde 29 3274KB Heinenoord               | 92.782   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gm  | Zomerlandseweg 4 3274LX Heinenoord           | 93.390   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 92.603   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 93.633   | 426.428   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 93.291   | 426.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 92.695   | 426.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gP  | Koedood 17 a 2993AL Barendrecht              | 93.423   | 428.241   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 92.721   | 426.424   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gQ  | Koedood 17 2993AL Barendrecht                | 93.478   | 428.194   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GQ  | Oosteinde 23 3274KB Heinenoord               | 92.852   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 92.331   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 95.724   | 427.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 92.583   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 96.194   | 427.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 95.698   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 92.453   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 92.154   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 95.754   | 427.762   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 96.138   | 427.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GV  | Avenhil 5 3274CT Heinenoord                  | 92.651   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 95.933   | 427.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 92.493   | 426.706   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 92.302   | 427.062   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 95.504   | 427.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 92.185   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 95.723   | 427.667   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 96.006   | 427.680   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| GZ Avenhil 37                  | 3274CT Heinenoord  | 92.725   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| H Reedijk 1                    | 3274KE Heinenoord  | 93.754   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •H Achterzeedijk 1 a 34        | 2991SB Barendrecht | 97.201   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hA Achterzeedijk 63            | 2992SB Barendrecht | 95.725   | 427.694   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HA Hermannushof 14             | 3274CE Heinenoord  | 92.548   | 426.704   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hb Achterzeedijk 67            | 2992SB Barendrecht | 95.724   | 427.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HB Marijkestraat 25            | 3274AJ Heinenoord  | 92.341   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hc Achterzeedijk 38            | 2992SC Barendrecht | 96.136   | 427.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HC Kalesland 3                 | 3274CH Heinenoord  | 92.524   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hd Achterzeedijk 47            | 2992SB Barendrecht | 95.955   | 427.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HD Prof. Teldersstraat 35      | 3274MC Heinenoord  | 92.853   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hE Achterzeedijk 39            | 2992SB Barendrecht | 96.103   | 427.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HE Marijkestraat 11            | 3274AJ Heinenoord  | 92.296   | 427.063   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hf Achterzeedijk 41            | 2992SB Barendrecht | 96.083   | 427.682   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HF John F. Kennedystraat 38    | 3274CG Heinenoord  | 92.808   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hg Achterzeedijk 64            | 2992SC Barendrecht | 95.495   | 427.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HG Oranjestraat 16             | 3274AK Heinenoord  | 92.161   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hh Achterzeedijk 71            | 2992SB Barendrecht | 95.702   | 427.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HH Boerengorzen 10             | 3274CV Heinenoord  | 92.755   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hI Achterzeedijk 59            | 2992SB Barendrecht | 95.779   | 427.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HI Kalesland 78                | 3274CH Heinenoord  | 92.592   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HJ Margrietstraat 18           | 3274AH Heinenoord  | 92.329   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hJ Achterzeedijk 42            | 2992SC Barendrecht | 95.997   | 427.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HK Martin Luther Kingstraat 60 | 3274CL Heinenoord  | 92.594   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hK Achterzeedijk 49            | 2992SB Barendrecht | 95.949   | 427.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hL Achterzeedijk 48            | 2992SC Barendrecht | 95.960   | 427.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HL Talmahof 7                  | 3274CN Heinenoord  | 92.435   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hM Achterzeedijk 60            | 2992SC Barendrecht | 95.562   | 428.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HM Kalesland 56                | 3274CH Heinenoord  | 92.580   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hn Achterzeedijk 58            | 2992SC Barendrecht | 95.709   | 427.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HN Emmastraat 22               | 3274AC Heinenoord  | 92.295   | 426.783   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hO Achterzeedijk 61            | 2992SB Barendrecht | 95.775   | 427.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HO John F. Kennedystraat 18    | 3274CG Heinenoord  | 92.727   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hP Achterzeedijk 40            | 2992SC Barendrecht | 96.111   | 427.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HP Martin Luther Kingstraat 32 | 3274CK Heinenoord  | 92.471   | 427.036   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HQ Dreeshof 1                  | 3274CC Heinenoord  | 92.521   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hq Achterzeedijk 61 b          | 2992SB Barendrecht | 95.750   | 427.757   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HR Buitenlanden 8              | 3274MB Heinenoord  | 92.927   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hr Achterzeedijk 56            | 2992SC Barendrecht | 95.856   | 427.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HS Heyne van Althenastraat 14  | 3274CD Heinenoord  | 92.431   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hS Achterzeedijk 73            | 2992SB Barendrecht | 95.698   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HT Prof. Teldersstraat 11      | 3274CZ Heinenoord  | 92.799   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hT Achterzeedijk 50            | 2992SC Barendrecht | 95.894   | 427.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hU Gorzenweg 10                | 3274LL Heinenoord  | 94.688   | 426.134   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HU Prof. Teldersstraat 16      | 3274MC Heinenoord  | 92.832   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HV John F. Kennedystraat 41    | 3274CG Heinenoord  | 92.519   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hV Gorzenweg 8                 | 3274LL Heinenoord  | 94.759   | 426.128   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hW Mollekade 31                | 3274LN Heinenoord  | 94.641   | 426.106   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HW Rietwaard 17                | 3274MA Heinenoord  | 92.876   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hX Mollekade 32                | 3274LP Heinenoord  | 94.741   | 426.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HX Koomansland 26              | 3274CJ Heinenoord  | 92.411   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hY Boonsweg 44                 | 3274LH Heinenoord  | 95.724   | 426.443   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HY Wouter van den Walestr 32   | 3274CR Heinenoord  | 92.333   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HZ Avenhil 14                  | 3274CT Heinenoord  | 92.676   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hZ Gorzenweg 6 A               | 3274LL Heinenoord  | 95.324   | 426.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| I Reedijk 1 A                  | 3274KE Heinenoord  | 93.788   | 425.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •I Achterzeedijk 1 a 35        | 2991SB Barendrecht | 97.194   | 427.540   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Avenhil 3                   | 3274CT Heinenoord  | 92.659   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iA Zomerlandseweg 9            | 3274LX Heinenoord  | 94.414   | 426.121   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB John F. Kennedystraat 40    | 3274CG Heinenoord  | 92.806   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Mollekade 29                | 3274LN Heinenoord  | 94.637   | 426.065   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iC Mollekade 28                | 3274LP Heinenoord  | 94.717   | 426.285   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Wouter van den Walestr 72   | 3274CS Heinenoord  | 92.370   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| ID  | Dreeshof 9 3274CC Heinenoord                  | 92.522   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iD  | Mollekade 39 3274LN Heinenoord                | 94.670   | 426.219   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE  | Thorbeckehof 1 3274CP Heinenoord              | 92.607   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iE  | Mollekade 41 3274LN Heinenoord                | 94.681   | 426.298   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF  | Spuivelden 25 3274CM Heinenoord               | 92.577   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iF  | Mollekade 47 3274LN Heinenoord                | 94.713   | 426.397   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iG  | Mollekade 45 3274LN Heinenoord                | 94.691   | 426.338   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG  | Wiardi Beckmanhof 8 3274CX Heinenoord         | 92.657   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH  | Talmahof 4 3274CN Heinenoord                  | 92.489   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 95.361   | 426.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 92.663   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ii  | Mollekade 43 3274LN Heinenoord                | 94.680   | 426.316   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 92.732   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 95.315   | 426.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | De Laagjes 12 3274CB Heinenoord               | 92.464   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | Mollekade 35 3274LN Heinenoord                | 94.652   | 426.161   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 95.481   | 425.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL  | Talmahof 11 3274CN Heinenoord                 | 92.436   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 92.604   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 94.940   | 426.314   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 92.852   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 95.240   | 425.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 92.561   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 93.458   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP  | Koimansland 32 3274CJ Heinenoord              | 92.446   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iP  | Stekkant 40 2993DB Barendrecht                | 94.060   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 92.780   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iQ  | Stekkant 33 2993DB Barendrecht                | 93.963   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Spieringwater 12 2993DM Barendrecht           | 94.127   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kalesland 52 3274CH Heinenoord                | 92.569   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iS  | Koedood 6 a 2993AL Barendrecht                | 93.774   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 92.500   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Avenhil 15 3274CT Heinenoord                  | 92.671   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iT  | Stekkant 107 2993DB Barendrecht               | 94.069   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 93.455   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 92.662   | 427.016   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 93.614   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Kalesland 19 3274CH Heinenoord                | 92.555   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iW  | Stekkant 2 2993DB Barendrecht                 | 93.941   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 92.203   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iX  | Müllerhaven 32 2993EA Barendrecht             | 93.829   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 92.472   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY  | Oranjestraat 11 B 3274AK Heinenoord           | 92.164   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iY  | Calandhaven 3 2993HL Barendrecht              | 93.498   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Stekkant 87 2993DB Barendrecht                | 94.073   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 92.579   | 426.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 93.524   | 425.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 97.189   | 427.522   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 92.513   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ja  | Meeshaven 5 2993HN Barendrecht                | 93.652   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 92.877   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Smithaven 4 2993EC Barendrecht                | 93.830   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Emmastraat 11 3274AC Heinenoord               | 92.253   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | Stekkant 13 2993DB Barendrecht                | 93.962   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 92.654   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 92.364   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| je  | Kröllehaven 12 2993ED Barendrecht             | 93.733   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Avenhil 9 3274CT Heinenoord                   | 92.633   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Stekkant 51 2993DB Barendrecht                | 93.956   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | De Laagjes 23 3274CB Heinenoord               | 92.499   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | Zalmwater 143 2993DX Barendrecht              | 94.104   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 92.194   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| jH  | Van Hobokenhaven 43 2993HH Barendrecht        | 93.455   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jI  | Müllerhaven 70 2993EA Barendrecht             | 93.830   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JI  | Rietwaard 20 3274MA Heinenoord                | 92.863   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jj  | Stekkant 89 2993DB Barendrecht                | 94.071   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 92.237   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jk  | Müllerhaven 36 2993EA Barendrecht             | 93.833   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 92.832   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 92.537   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jl  | Stekkant 73 2993DB Barendrecht                | 93.961   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 92.403   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jm  | Aalwater 20 2993DD Barendrecht                | 93.999   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jN  | Stekkant 111 2993DB Barendrecht               | 94.073   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 92.783   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Smithaven 6 2993EC Barendrecht                | 93.821   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Oosteinde 45 3274KB Heinenoord                | 92.627   | 426.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 92.369   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 92.291   | 426.989   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Smithaven 35 2993EC Barendrecht               | 93.707   | 428.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 92.439   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 93.824   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Stekkant 127 2993DB Barendrecht               | 94.066   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Kalesland 32 3274CH Heinenoord                | 92.533   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Van Hobokenhaven 61 2993HH Barendrecht        | 93.459   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Talmahof 2 3274CN Heinenoord                  | 92.489   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jU  | Smithaven 18 2993EC Barendrecht               | 93.764   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 92.213   | 426.773   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | Swarttouwhaven 52 2993HP Barendrecht          | 93.503   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 92.871   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Kabbelkant 6 2993DC Barendrecht               | 94.010   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 92.519   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Meeshaven 7 2993HN Barendrecht                | 93.653   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 92.331   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 92.531   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 92.292   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 93.579   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 93.552   | 425.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 97.186   | 427.580   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 93.497   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Talmahof 8 3274CN Heinenoord                  | 92.490   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 93.497   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Irenestraat 28 3274AE Heinenoord              | 92.285   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 92.501   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Van Hobokenhaven 27 2993HH Barendrecht        | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 92.239   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 92.522   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 93.859   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 93.583   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 92.401   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Stekkant 147 2993DB Barendrecht               | 94.069   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Emmastraat 30 3274AC Heinenoord               | 92.214   | 426.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 92.354   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Van Hobokenhaven 59 2993HH Barendrecht        | 93.454   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Aalwater 4 2993DD Barendrecht                 | 93.959   | 428.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Emmastraat 32 3274AC Heinenoord               | 92.208   | 426.810   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 92.289   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 93.761   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | De Laagjes 21 3274CB Heinenoord               | 92.500   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | Aalwater 19 2993DD Barendrecht                | 94.000   | 428.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Steurwater 13 2993DE Barendrecht              | 93.944   | 428.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 92.887   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                            | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| KM Irenestraat 3               | 3274AD Heinenoord    | 92.236   | 426.951   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KM Vederhaven 3                | 2993EB Barendrecht   | 93.772   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Van Hobokenhaven 39         | 2993HH Barendrecht   | 93.459   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Irenestraat 36              | 3274AE Heinenoord    | 92.272   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Emmastraat 20               | 3274AC Heinenoord    | 92.289   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Müllerhaven 8               | 2993EA Barendrecht   | 93.832   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Steekkant 129               | 2993DB Barendrecht   | 94.067   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Oosteinde 41                | 3274KB Heinenoord    | 92.653   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ Steekkant 149               | 2993DB Barendrecht   | 94.067   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ John F. Kennedystraat 35    | 3274CG Heinenoord    | 92.502   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Avenhil 30                  | 3274CT Heinenoord    | 92.734   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Smithaven 59                | 2993EC Barendrecht   | 93.702   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS Ruyshaven 4                 | 2993HM Barendrecht   | 93.551   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS John F. Kennedystraat 55    | 3274CG Heinenoord    | 92.593   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Martin Luther Kingstraat 34 | 3274CL Heinenoord    | 92.495   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Swarttouwhaven 10           | 2993HP Barendrecht   | 93.585   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Steekkant 109               | 2993DB Barendrecht   | 94.071   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Koomansland 6               | 3274CJ Heinenoord    | 92.414   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Boerengorzen 8              | 3274CV Heinenoord    | 92.749   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Müllerhaven 42              | 2993EA Barendrecht   | 93.833   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kW Müllerhaven 48              | 2993EA Barendrecht   | 93.826   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KW Margrietstraat 20           | 3274AH Heinenoord    | 92.329   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Dorpsstraat 1 A             | 3274BB Heinenoord    | 92.553   | 426.618   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Kröllerhaven 53             | 2993ED Barendrecht   | 93.744   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY Steekkant 57                | 2993DB Barendrecht   | 93.962   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY John F. Kennedystraat 5     | 3274CG Heinenoord    | 92.402   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kalesland 72                | 3274CH Heinenoord    | 92.605   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kröllerhaven 23             | 2993ED Barendrecht   | 93.860   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| L Reedijk 2                    | 3274KE Heinenoord    | 93.694   | 425.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •L Achterzeedijk 1 a 38        | 2991SB Barendrecht   | 97.175   | 427.568   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LA John F. Kennedystraat 67    | 3274CG Heinenoord    | 92.708   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Ruyshaven 8                 | 2993HM Barendrecht   | 93.556   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LB Wouter van den Walestr      | 28 3274CR Heinenoord | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Swarttouwhaven 44           | 2993HP Barendrecht   | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Müllerhaven 56              | 2993EA Barendrecht   | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LC Dreeshof 11                 | 3274CC Heinenoord    | 92.522   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LD John F. Kennedystraat 22    | 3274CG Heinenoord    | 92.736   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ID Steekkant 22                | 2993DB Barendrecht   | 94.033   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LE Kalesland 18                | 3274CH Heinenoord    | 92.498   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE Meeshaven 2                 | 2993HN Barendrecht   | 93.625   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF Aalwater 14                 | 2993DD Barendrecht   | 93.984   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LF Koomansland 18              | 3274CJ Heinenoord    | 92.388   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG Steekkant 55                | 2993DB Barendrecht   | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LG Boerengorzen 4              | 3274CV Heinenoord    | 92.749   | 426.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LH Julianalaan 40              | 3274AG Heinenoord    | 92.149   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH Steekkant 77                | 2993DB Barendrecht   | 93.966   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II Steekkant 115               | 2993DB Barendrecht   | 94.076   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LI John F. Kennedystraat 13    | 3274CG Heinenoord    | 92.408   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ Kröllerhaven 37             | 2993ED Barendrecht   | 93.819   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LJ Rietwaard 24                | 3274MA Heinenoord    | 92.894   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK Kröllerhaven 39             | 2993ED Barendrecht   | 93.810   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LK Heyne van Althenastraat 30  | 3274CD Heinenoord    | 92.525   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LL Kalesland 7                 | 3274CH Heinenoord    | 92.523   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL Swarttouwhaven 30           | 2993HP Barendrecht   | 93.498   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LM Julianalaan 46              | 3274AG Heinenoord    | 92.159   | 427.083   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM Steekkant 19                | 2993DB Barendrecht   | 93.966   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LN Marijkestraat 1 B           | 3274AJ Heinenoord    | 92.231   | 427.075   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN Steekkant 12                | 2993DB Barendrecht   | 93.974   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO Müllerhaven 24              | 2993EA Barendrecht   | 93.834   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LO Irenestraat 10              | 3274AE Heinenoord    | 92.256   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP Spieringwater 8             | 2993DM Barendrecht   | 94.126   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LP Wiardi Beckmanhof 7         | 3274CX Heinenoord    | 92.663   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ Kröllerhaven 51             | 2993ED Barendrecht   | 93.754   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| LQ  | Spuivelden 8 3274CM Heinenoord                | 92.576   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord      | 92.853   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kabbelkant 2 2993DC Barendrecht               | 94.009   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Steekkant 10 2993DB Barendrecht               | 93.969   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LS  | Beatrixstraat 34 3274AA Heinenoord            | 92.201   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LT  | Marijkestraat 2 3274AJ Heinenoord             | 92.226   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Swarttouwhaven 20 2993HP Barendrecht          | 93.499   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord | 92.420   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Kabbelkant 8 2993DC Barendrecht               | 94.011   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Koedood 8 2993AL Barendrecht                  | 93.740   | 428.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LV  | Rietwaard 5 3274MA Heinenoord                 | 92.841   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord   | 92.438   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Kröllehaven 41 2993ED Barendrecht             | 93.800   | 428.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LX  | Rietwaard 6 3274MA Heinenoord                 | 92.809   | 426.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Steekkant 63 2993DB Barendrecht               | 93.955   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord    | 92.799   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY  | Steekkant 101 2993DB Barendrecht              | 94.071   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LZ  | Avenhil 36 3274CT Heinenoord                  | 92.723   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Steekkant 1 2993DB Barendrecht                | 93.956   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| M   | Reedijk 3 3274KE Heinenoord                   | 93.749   | 425.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht       | 97.168   | 427.550   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MA  | Irenestraat 26 3274AE Heinenoord              | 92.279   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mA  | Müllerhaven 58 2993EA Barendrecht             | 93.825   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mb  | Steekkant 15 2993DB Barendrecht               | 93.960   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord       | 92.800   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mC  | Müllerhaven 12 2993EA Barendrecht             | 93.833   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MC  | Oranjestraat 26 3274AK Heinenoord             | 92.200   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mD  | Steekkant 133 2993DB Barendrecht              | 94.075   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MD  | Avenhil 23 3274CT Heinenoord                  | 92.710   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mE  | Aalwater 13 2993DD Barendrecht                | 93.982   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ME  | Dorpsstraat 1 3274BB Heinenoord               | 92.476   | 426.622   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mF  | Swarttouwhaven 24 2993HP Barendrecht          | 93.499   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MF  | Kalesland 58 3274CH Heinenoord                | 92.596   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord   | 92.361   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mG  | Steekkant 37 2993DB Barendrecht               | 93.964   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mH  | Kabbelkant 4 2993DC Barendrecht               | 94.010   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MH  | Irenestraat 48 3274AE Heinenoord              | 92.309   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Avenhil 13 3274CT Heinenoord                  | 92.682   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mi  | Steurwater 5 2993DE Barendrecht               | 93.941   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mJ  | Vederhaven 11 2993EB Barendrecht              | 93.751   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MJ  | Kalesland 1 3274CH Heinenoord                 | 92.524   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mK  | Swarttouwhaven 48 2993HP Barendrecht          | 93.496   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MK  | Koomansland 5 3274CJ Heinenoord               | 92.449   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ML  | Margrietstraat 9 3274AH Heinenoord            | 92.288   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mL  | Steekkant 153 2993DB Barendrecht              | 94.065   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MM  | Emmastraat 16 3274AC Heinenoord               | 92.279   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mm  | Steekkant 24 2993DB Barendrecht               | 94.031   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MN  | Irenestraat 1 3274AD Heinenoord               | 92.232   | 426.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mN  | Steekkant 16 2993DB Barendrecht               | 93.985   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mO  | Steekkant 14 2993DB Barendrecht               | 93.980   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MO  | Avenhil 10 3274CT Heinenoord                  | 92.633   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MP  | Spuivelden 15 3274CM Heinenoord               | 92.578   | 426.840   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mP  | Smithaven 2 2993EC Barendrecht                | 93.839   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord        | 92.700   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mQ  | Aalwater 8 2993DD Barendrecht                 | 93.969   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MR  | Talmahof 9 3274CN Heinenoord                  | 92.435   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mR  | Steekkant 53 2993DB Barendrecht               | 93.959   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mS  | Smithaven 43 2993EC Barendrecht               | 93.705   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MS  | Beatrixstraat 48 3274AA Heinenoord            | 92.211   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mT  | Müllerhaven 72 2993EA Barendrecht             | 93.832   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MT  | De Laagjes 26 3274CB Heinenoord               | 92.515   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MU  | Bernhardstraat 6 3274AB Heinenoord            | 92.233   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mU  | Smithaven 14 2993EC Barendrecht               | 93.783   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| MV Wiardi Beckmanhof 11        | 3274CX Heinenoord  | 92.674   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mV Van Hobokenhaven 45         | 2993HH Barendrecht | 93.458   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mW Steekkant 48                | 2993DB Barendrecht | 94.081   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MW Julianalaan 42              | 3274AG Heinenoord  | 92.154   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MX De Laagjes 22               | 3274CB Heinenoord  | 92.502   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mX Steekkant 75                | 2993DB Barendrecht | 93.957   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mY Steekkant 91                | 2993DB Barendrecht | 94.069   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MY Kooimansland 13             | 3274CJ Heinenoord  | 92.469   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mZ Aalwater 18                 | 2993DD Barendrecht | 93.994   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MZ Kalesland 46                | 3274CH Heinenoord  | 92.560   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| N Blaaksedijk West 31          | 3274LD Heinenoord  | 94.016   | 425.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht | 97.158   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NA Spuivelden 9                | 3274CM Heinenoord  | 92.530   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nA Aalwater 16                 | 2993DD Barendrecht | 93.989   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nB Steekkant 17                | 2993DB Barendrecht | 93.960   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord  | 92.525   | 426.966   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NC Irenestraat 20              | 3274AE Heinenoord  | 92.261   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nC Zalmwater 155               | 2993DX Barendrecht | 94.060   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ND Oranjestraat 31             | 3274AK Heinenoord  | 92.285   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nd Müllerhaven 60              | 2993EA Barendrecht | 93.830   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nE Swarttouwhaven 18           | 2993HP Barendrecht | 93.502   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NE Kalesland 28                | 3274CH Heinenoord  | 92.525   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nF Zalmwater 151               | 2993DX Barendrecht | 94.079   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord  | 92.561   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord  | 92.868   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht | 93.456   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nH Smithaven 33                | 2993EC Barendrecht | 93.708   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NH Dorpsstraat 7               | 3274BB Heinenoord  | 92.395   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nI Müllerhaven 4               | 2993EA Barendrecht | 93.828   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NI Kalesland 64                | 3274CH Heinenoord  | 92.596   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nJ Smithaven 39                | 2993EC Barendrecht | 93.706   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NJ Andries Woutershof 8        | 3274CA Heinenoord  | 92.473   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NK Beatrixstraat 23            | 3274AA Heinenoord  | 92.186   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nK Müllerhaven 10              | 2993EA Barendrecht | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord  | 92.800   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nL Steekkant 131               | 2993DB Barendrecht | 94.069   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NM Oosteinde 24                | 3274KC Heinenoord  | 92.685   | 426.638   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nN Steekkant 23                | 2993DB Barendrecht | 93.955   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord  | 92.801   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NO Kooimansland 1              | 3274CJ Heinenoord  | 92.450   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nO Steekkant 50                | 2993DB Barendrecht | 94.087   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NP Buitenlanden 21             | 3274MB Heinenoord  | 92.902   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nP Steekkant 20                | 2993DB Barendrecht | 93.995   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nQ Müllerhaven 64              | 2993EA Barendrecht | 93.835   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NQ Marliquestraat 9            | 3274AJ Heinenoord  | 92.285   | 427.067   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nR Kröllerhaven 15             | 2993ED Barendrecht | 93.862   | 428.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord  | 92.788   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nS Steekkant 79                | 2993DB Barendrecht | 93.961   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord  | 92.808   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NT Kalesland 6                 | 3274CH Heinenoord  | 92.480   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nT Steekkant 35                | 2993DB Barendrecht | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nU Kröllerhaven 33             | 2993ED Barendrecht | 93.837   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NU Kooimansland 2              | 3274CJ Heinenoord  | 92.415   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord  | 92.742   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nV Swarttouwhaven 38           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord  | 92.453   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nW Kabbelkant 16               | 2993DC Barendrecht | 94.014   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht | 93.458   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NX Oosteinde 16                | 3274KC Heinenoord  | 92.757   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NY Irenestraat 19              | 3274AD Heinenoord  | 92.246   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nY Meeshaven 18                | 2993HN Barendrecht | 93.637   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NZ Bernhardstraat 4            | 3274AB Heinenoord  | 92.227   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| nZ Ruyshaven 7                 | 2993HM Barendrecht | 93.583   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| O Blaaksedijk West 32          | 3274LE Heinenoord  | 93.953   | 425.690   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht | 97.153   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OA Boerengorzen 2              | 3274CV Heinenoord  | 92.753   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oA Müllerhaven 62              | 2993EA Barendrecht | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oB Smithaven 27                | 2993EC Barendrecht | 93.709   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord  | 92.386   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oC Aalwater 21                 | 2993DD Barendrecht | 94.015   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord  | 92.824   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oD Swarttouwhaven 56           | 2993HP Barendrecht | 93.506   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OD Irenestraat 44              | 3274AE Heinenoord  | 92.296   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OE Kalesland 22                | 3274CH Heinenoord  | 92.508   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oE Van Hobokenhaven 21         | 2993HH Barendrecht | 93.453   | 428.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OF Marijkestraat 4             | 3274AJ Heinenoord  | 92.232   | 427.051   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oF Kröllerhaven 27             | 2993ED Barendrecht | 93.859   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OG Wiardi Beckmanhof 1         | 3274CX Heinenoord  | 92.661   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oG Kröllerhaven 19             | 2993ED Barendrecht | 93.861   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OH Emmastraat 2 F              | 3274AC Heinenoord  | 92.220   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oH Ruyshaven 2                 | 2993HM Barendrecht | 93.551   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OI Koomansland 22              | 3274CJ Heinenoord  | 92.398   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oI Koedood 2 b                 | 2993AL Barendrecht | 93.846   | 428.476   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ Prof. Teldersstraat 26      | 3274MC Heinenoord  | 92.857   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oJ Swarttouwhaven 60           | 2993HP Barendrecht | 93.501   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OK Avenhil 12                  | 3274CT Heinenoord  | 92.653   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oK Müllerhaven 28              | 2993EA Barendrecht | 93.834   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oL Spieringwater 14            | 2993DM Barendrecht | 94.128   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OL Martin Luther Kingstraat 46 | 3274CL Heinenoord  | 92.532   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oM Aalwater 7                  | 2993DD Barendrecht | 93.967   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OM Heyne van Althenastraat 10  | 3274CD Heinenoord  | 92.434   | 426.746   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oN Steekkant 34                | 2993DB Barendrecht | 94.029   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ON Rietwaard 10                | 3274MA Heinenoord  | 92.812   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oO Steekkant 61                | 2993DB Barendrecht | 93.965   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OO Martin Luther Kingstraat 62 | 3274CL Heinenoord  | 92.599   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OP Avenhil 40                  | 3274CT Heinenoord  | 92.701   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oP Steekkant 167               | 2993DB Barendrecht | 94.129   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OQ Emmastraat 28               | 3274AC Heinenoord  | 92.225   | 426.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oQ Van Hobokenhaven 57         | 2993HH Barendrecht | 93.462   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oR Steekkant 159               | 2993DB Barendrecht | 94.069   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OR Avenhil 16                  | 3274CT Heinenoord  | 92.666   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OS Irenestraat 46              | 3274AE Heinenoord  | 92.303   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oS Kröllerhaven 21             | 2993ED Barendrecht | 93.860   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oT Ruyshaven 6                 | 2993HM Barendrecht | 93.555   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OT Kalesland 5                 | 3274CH Heinenoord  | 92.524   | 426.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OU Oranjestraat 29             | 3274AK Heinenoord  | 92.278   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oU Koedood 18                  | 2993AL Barendrecht | 93.530   | 428.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OV Prof. Teldersstraat 49      | 3274MC Heinenoord  | 92.877   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oV Van Hobokenhaven 67         | 2993HH Barendrecht | 93.452   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oW Swarttouwhaven 54           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OW Irenestraat 16              | 3274AE Heinenoord  | 92.260   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oX Kabbelkant 10               | 2993DC Barendrecht | 94.011   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OX De Laagjes 16               | 3274CB Heinenoord  | 92.486   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oY Smithaven 8                 | 2993EC Barendrecht | 93.812   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OY Wouter van den Walestr 52   | 3274CS Heinenoord  | 92.362   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oZ Müllerhaven 26              | 2993EA Barendrecht | 93.828   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ Martin Luther Kingstraat 24 | 3274CK Heinenoord  | 92.451   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| P Blaaksedijk West 33          | 3274LD Heinenoord  | 94.002   | 425.633   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •P Achterzeedijk 1 a 42        | 2991SB Barendrecht | 97.152   | 427.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PA Wouter van den Walestr 76   | 3274CS Heinenoord  | 92.366   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pA Steekkant 163               | 2993DB Barendrecht | 94.078   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pB Steekkant 93                | 2993DB Barendrecht | 94.071   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PB Avenhil 20                  | 3274CT Heinenoord  | 92.705   | 426.937   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PC Martin Luther Kingstraat 10 | 3274CK Heinenoord  | 92.408   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pC Van Hobokenhaven 23         | 2993HH Barendrecht | 93.453   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 92.335   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 93.504   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pE  | Stekkant 32 2993DB Barendrecht                | 94.029   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 92.867   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pF  | Stekkant 99 2993DB Barendrecht                | 94.073   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 92.780   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pG  | Smithaven 10 2993EC Barendrecht               | 93.803   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 92.678   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pH  | Aalwater 1 2993DD Barendrecht                 | 93.941   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PH  | Rietwaard 2 3274MA Heinenoord                 | 92.810   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 92.729   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pI  | Stekkant 161 2993DB Barendrecht               | 94.077   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pJ  | Kröllehaven 2 2993ED Barendrecht              | 93.779   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 92.235   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pK  | Smithaven 21 2993EC Barendrecht               | 93.710   | 428.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 92.831   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PL  | Kalesland 10 3274CH Heinenoord                | 92.480   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PM  | Avenhil 6 3274CT Heinenoord                   | 92.633   | 426.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pM  | Stekkant 139 2993DB Barendrecht               | 94.077   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pN  | Zalmwater 139 2993DX Barendrecht              | 94.117   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 92.788   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pO  | Kröllehaven 47 2993ED Barendrecht             | 93.772   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PO  | Kalesland 26 3274CH Heinenoord                | 92.519   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pP  | Stekkant 9 2993DB Barendrecht                 | 93.960   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 92.831   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 92.464   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 93.972   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PR  | Hermannushof 10 3274CE Heinenoord             | 92.535   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pR  | Stekkant 95 2993DB Barendrecht                | 94.073   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 93.571   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 92.498   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pT  | Smithaven 25 2993EC Barendrecht               | 93.709   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 92.330   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 92.578   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 93.542   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pV  | Smithaven 23 2993EC Barendrecht               | 93.710   | 428.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PV  | Irenestraat 12 3274AE Heinenoord              | 92.258   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pW  | Stekkant 28 2993DB Barendrecht                | 94.030   | 428.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 92.624   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 93.834   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 92.433   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pY  | Stekkant 5 2993DB Barendrecht                 | 93.956   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 92.831   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 92.213   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Q   | Blaaksedijk West 47 3274LD Heinenoord         | 93.612   | 425.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 97.150   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 93.827   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 92.860   | 426.635   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QB  | Koimansland 12 3274CJ Heinenoord              | 92.405   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qb  | Stekkant 6 2993DB Barendrecht                 | 93.959   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 92.202   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qC  | Stekkant 25 2993DB Barendrecht                | 93.961   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QD  | Avenhil 11 3274CT Heinenoord                  | 92.633   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qD  | Smithaven 51 2993EC Barendrecht               | 93.704   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QE  | De Laagjes 17 3274CB Heinenoord               | 92.501   | 426.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qE  | Müllerhaven 22 2993EA Barendrecht             | 93.830   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Stekkant 143 2993DB Barendrecht               | 94.073   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Marijkestraat 7 3274AJ Heinenoord             | 92.278   | 427.068   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 93.557   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QG  | Avenhil 34 3274CT Heinenoord                  | 92.711   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qH  | Stekkant 7 2993DB Barendrecht                 | 93.956   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| QH  | Koomansland 14 3274CJ Heinenoord              | 92.405   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QI  | Irenestraat 13 3274AD Heinenoord              | 92.242   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qI  | Stekkant 45 2993DB Barendrecht                | 93.958   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ  | Martin Luther Kingstraat 68 3274CL Heinenoord | 92.619   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qJ  | Koedood 25 2993AL Barendrecht                 | 93.183   | 428.725   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord      | 92.799   | 427.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qK  | Stekkant 47 2993DB Barendrecht                | 93.955   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QL  | Andries Woutershof 24 3274CA Heinenoord       | 92.503   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qL  | Aalwater 10 2993DD Barendrecht                | 93.974   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht        | 93.463   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QM  | De Laagjes 19 3274CB Heinenoord               | 92.500   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QN  | Kalesland 38 3274CH Heinenoord                | 92.540   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qN  | Müllerhaven 46 2993EA Barendrecht             | 93.827   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qO  | Müllerhaven 68 2993EA Barendrecht             | 93.835   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QO  | Marijkestraat 21 3274AJ Heinenoord            | 92.328   | 427.057   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qP  | Steurwater 1 2993DE Barendrecht               | 93.940   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QP  | De Laagjes 4 3274CB Heinenoord                | 92.440   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord    | 92.428   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qQ  | Koedood 6 2993AL Barendrecht                  | 93.795   | 428.465   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qR  | Zalmwater 157 2993DX Barendrecht              | 94.060   | 428.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QR  | Bernhardstraat 3 3274AB Heinenoord            | 92.201   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qS  | Spieringwater 4 2993DM Barendrecht            | 94.126   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QS  | Oosteinde 37 3274KB Heinenoord                | 92.676   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QT  | De Laagjes 28 3274CB Heinenoord               | 92.520   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qT  | Spieringwater 10 2993DM Barendrecht           | 94.127   | 428.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QU  | Thorbeckehof 3 3274CP Heinenoord              | 92.607   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qU  | Spieringwater 2 2993DM Barendrecht            | 94.125   | 428.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qV  | Stekkant 54 2993DB Barendrecht                | 94.098   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QV  | De Laagjes 20 3274CB Heinenoord               | 92.498   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QW  | Buitelanden 4 3274MB Heinenoord               | 92.916   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qW  | Swarttouwhaven 62 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord        | 92.700   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qX  | Steurwater 11 2993DE Barendrecht              | 93.942   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QY  | Emmastraat 2 E 3274AC Heinenoord              | 92.225   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qY  | Swarttouwhaven 36 2993HP Barendrecht          | 93.503   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qZ  | Kabbelkant 14 2993DC Barendrecht              | 94.012   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ  | Koomansland 8 3274CJ Heinenoord               | 92.414   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| R   | Blaaksedijk West 24 3274LE Heinenoord         | 94.107   | 425.624   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht       | 97.144   | 427.538   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord    | 92.496   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rA  | Stekkant 41 2993DB Barendrecht                | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rB  | Stekkant 81 2993DB Barendrecht                | 93.962   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RB  | Boerengorzen 3 3274CV Heinenoord              | 92.780   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RC  | Kalesland 70 3274CH Heinenoord                | 92.605   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rC  | Koedood 14 2993AL Barendrecht                 | 93.601   | 428.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rD  | Müllerhaven 40 2993EA Barendrecht             | 93.825   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord        | 92.765   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rE  | Aalwater 11 2993DD Barendrecht                | 93.977   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RE  | Avenhil 28 3274CT Heinenoord                  | 92.724   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rF  | Smithaven 37 2993EC Barendrecht               | 93.707   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RF  | Oosteinde 22 3274KC Heinenoord                | 92.697   | 426.642   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht        | 93.460   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RG  | Andries Woutershof 16 3274CA Heinenoord       | 92.494   | 426.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rH  | Aalwater 15 2993DD Barendrecht                | 93.987   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord      | 92.873   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rI  | Stekkant 85 2993DB Barendrecht                | 94.010   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RI  | Emmastraat 34 3274AC Heinenoord               | 92.196   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rJ  | Zalmwater 141 2993DX Barendrecht              | 94.111   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RJ  | Oranjestraat 23 3274AK Heinenoord             | 92.259   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord    | 92.862   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rK  | Smithaven 12 2993EC Barendrecht               | 93.794   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rL  | Stekkant 44 2993DB Barendrecht                | 94.071   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord  | 92.428   | 426.723   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                            | Name                | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|---------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                     |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| RM Oranjestraat 17             | 3274AK Heinenoord   | 92.221   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rM Steekkant 4                 | 2993DB Barendrecht  | 93.954   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RN Buitenlanden 13             | 3274MB Heinenoord   | 92.894   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rN Van Hobokenhaven 37         | 2993HH Barendrecht  | 93.460   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RO Bernhardstraat 2            | 3274AB Heinenoord   | 92.220   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rO Van Hobokenhaven 19         | 2993HH Barendrecht  | 93.459   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RP Buitenlanden 17             | 3274MB Heinenoord   | 92.902   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rP Calandhaven 1               | 2993HL Barendrecht  | 93.488   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rQ Koedood 22                  | 2993AL Barendrecht  | 93.468   | 428.458   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RQ Marijkestraat 1             | C 3274AJ Heinenoord | 92.240   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RR Irenestraat 40              | 3274AE Heinenoord   | 92.284   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rR Aalwater 2                  | 2993DD Barendrecht  | 93.946   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rS Steekkant 103               | 2993DB Barendrecht  | 94.069   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RS Bernhardstraat 16           | 3274AB Heinenoord   | 92.264   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RT Buitenlanden 12             | 3274MB Heinenoord   | 92.929   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rT Aalwater 5                  | 2993DD Barendrecht  | 93.962   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rU Kröllerhaven 31             | 2993ED Barendrecht  | 93.857   | 428.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RU Wouter van den Walestr 26   | 3274CR Heinenoord   | 92.329   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rV Smithaven 53                | 2993EC Barendrecht  | 93.703   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RV Boerengorzen 9              | 3274CV Heinenoord   | 92.781   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rW Müllerhaven 30              | 2993EA Barendrecht  | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RW Emmastraat 3                | 3274AC Heinenoord   | 92.223   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rX Swarttouwhaven 58           | 2993HP Barendrecht  | 93.503   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RX De Laagjes 2                | 3274CB Heinenoord   | 92.436   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rY Vederhaven 15               | 2993EB Barendrecht  | 93.740   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RY Koomansland 28              | 3274CJ Heinenoord   | 92.417   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rZ Smithaven 57                | 2993EC Barendrecht  | 93.703   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RZ Prof. Teldersstraat 31      | 3274MC Heinenoord   | 92.850   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| S Reedijs 3 A                  | 3274KE Heinenoord   | 93.739   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •S Achterzeedijk 1 a 45        | 2991SB Barendrecht  | 97.138   | 427.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sA Swarttouwhaven 26           | 2993HP Barendrecht  | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SA Wouter van den Walestr 18   | 3274CR Heinenoord   | 92.333   | 426.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SB Oranjestraat 15             | 3274AK Heinenoord   | 92.215   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sB Smithaven 29                | 2993EC Barendrecht  | 93.708   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SC Heyne van Althenastraat 26  | 3274CD Heinenoord   | 92.476   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sC Steekkant 145               | 2993DB Barendrecht  | 94.071   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SD Martin Luther Kingstraat 48 | 3274CL Heinenoord   | 92.538   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sD Aalwater 3                  | 2993DD Barendrecht  | 93.957   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SE Willem de Zwijgerstraat 8   | 3274AL Heinenoord   | 92.161   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sE Zalmwater 153               | 2993DX Barendrecht  | 94.071   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SF John F. Kennedystraat 36    | 3274CG Heinenoord   | 92.809   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sF Vederhaven 17               | 2993EB Barendrecht  | 93.734   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SG Wouter van den Walestr 44   | 3274CS Heinenoord   | 92.362   | 426.956   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sG Swarttouwhaven 34           | 2993HP Barendrecht  | 93.503   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SH Wiardi Beckmanhof 12        | 3274CX Heinenoord   | 92.678   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sH Müllerhaven 76              | 2993EA Barendrecht  | 93.836   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SI Margrietstraat 14           | 3274AH Heinenoord   | 92.322   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sI Meeshaven 14                | 2993HN Barendrecht  | 93.628   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sJ Smithaven 20                | 2993EC Barendrecht  | 93.755   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SJ Prof. Teldersstraat 43      | 3274MC Heinenoord   | 92.877   | 427.033   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK De Laagjes 18               | 3274CB Heinenoord   | 92.492   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK Steekkant 123               | 2993DB Barendrecht  | 94.069   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SL Wouter van den Walestr 56   | 3274CS Heinenoord   | 92.364   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sL Steekkant 59                | 2993DB Barendrecht  | 93.954   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sM Steekkant 39                | 2993DB Barendrecht  | 93.956   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SM Zomerlandseweg 2            | 3274LX Heinenoord   | 92.961   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sN Müllerhaven 66              | 2993EA Barendrecht  | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SN Spuivelden 21               | 3274CM Heinenoord   | 92.578   | 426.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sO Steurwater 7                | 2993DE Barendrecht  | 93.941   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SO Koomansland 36              | 3274CJ Heinenoord   | 92.445   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SP John F. Kennedystraat 7     | 3274CG Heinenoord   | 92.402   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sP Steekkant 155               | 2993DB Barendrecht  | 94.065   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sQ Meeshaven 8                 | 2993HN Barendrecht  | 93.626   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                               | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                   |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| SO Hermannushof 24                | 3274CE Heinenoord  | 92.579   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sR Steekkant 27                   | 2993DB Barendrecht | 93.957   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SR Kooimansland 11                | 3274CJ Heinenoord  | 92.465   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sS Aalwater 17                    | 2993DD Barendrecht | 93.993   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SS Hermannushof 26                | 3274CE Heinenoord  | 92.580   | 426.727   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sT Steekkant 119                  | 2993DB Barendrecht | 94.073   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ST Oosteinde 28                   | 3274KC Heinenoord  | 92.662   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SU Irenestraat 21                 | 3274AD Heinenoord  | 92.247   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sU Kröllerhaven 4                 | 2993ED Barendrecht | 93.770   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sV Ruyshaven 9                    | 2993HM Barendrecht | 93.582   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SV Bernhardstraat 12              | 3274AB Heinenoord  | 92.250   | 426.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SW Spuivelden 2                   | 3274CM Heinenoord  | 92.560   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sW Spieringwater 6                | 2993DM Barendrecht | 94.126   | 428.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SX Emmastraat 26                  | 3274AC Heinenoord  | 92.231   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sX Swarttouwhaven 28              | 2993HP Barendrecht | 93.495   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SY Rietwaard 1                    | 3274MA Heinenoord  | 92.843   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sY Ruyshaven 11                   | 2993HM Barendrecht | 93.583   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sZ Swarttouwhaven 66              | 2993HP Barendrecht | 93.499   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SZ John F. Kennedystraat 26       | 3274CG Heinenoord  | 92.782   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| T Blaaksedijk West 43             | 3274LD Heinenoord  | 93.856   | 425.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •T Achterzeedijk 1 a 46           | 2991SB Barendrecht | 97.131   | 427.584   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tA Van Hobokenhaven 65            | 2993HH Barendrecht | 93.457   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TA Prof. Teldersstraat 15         | 3274CZ Heinenoord  | 92.800   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TB Wouter van den Walestr 12      | 3274CR Heinenoord  | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tB Smithaven 31                   | 2993EC Barendrecht | 93.708   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tC Steekkant 137                  | 2993DB Barendrecht | 94.077   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TC Avenhil 24                     | 3274CT Heinenoord  | 92.705   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tD Steekkant 105                  | 2993DB Barendrecht | 94.068   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TD Prof. Teldersstraat 21         | 3274CZ Heinenoord  | 92.827   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TE De Laagjes 5                   | 3274CA Heinenoord  | 92.458   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tE Zalmwater 133                  | 2993DX Barendrecht | 94.137   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TF John F. Kennedystraat 57       | 3274CG Heinenoord  | 92.598   | 426.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tF Kröllerhaven 43                | 2993ED Barendrecht | 93.792   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tG Van Hobokenhaven 15            | 2993HH Barendrecht | 93.456   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TG Rietwaard 14                   | 3274MA Heinenoord  | 92.807   | 426.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tH Steekkant 11                   | 2993DB Barendrecht | 93.954   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TH Kooimansland 10                | 3274CJ Heinenoord  | 92.405   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TI Abraham Kuyperhof 7            | 3274CW Heinenoord  | 92.727   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ti Steekkant 67                   | 2993DB Barendrecht | 93.965   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tJ Steekkant 52                   | 2993DB Barendrecht | 94.092   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TJ Kalesland 4                    | 3274CH Heinenoord  | 92.481   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tK Müllerhaven 82                 | 2993EA Barendrecht | 93.826   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TK Oranjestraat 20                | 3274AK Heinenoord  | 92.181   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tL Müllerhaven 34                 | 2993EA Barendrecht | 93.831   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TL Dreeshof 2                     | 3274CC Heinenoord  | 92.574   | 426.985   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TM Hermannushof 16                | 3274CE Heinenoord  | 92.553   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tm Steekkant 31                   | 2993DB Barendrecht | 93.964   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TN Wiardi Beckmanhof 14           | 3274CX Heinenoord  | 92.700   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tN Vederhaven 1                   | 2993EB Barendrecht | 93.778   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TO Wiardi Beckmanhof 2            | 3274CX Heinenoord  | 92.661   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tO Müllerhaven 50                 | 2993EA Barendrecht | 93.831   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tP Koedood 4                      | 2993AL Barendrecht | 93.802   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TP Beatrixstraat 17               | 3274AA Heinenoord  | 92.181   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tQ Smithaven 49                   | 2993EC Barendrecht | 93.704   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TQ John F. Kennedystraat 37       | 3274CG Heinenoord  | 92.508   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tR Koedood 2 a 2993AL Barendrecht | 94.006             | 428.526  | 0,0       | 8,0 | 5,0   | 0,5    | 0,0              | 90,0                  | "Green house mode" |                    |
| TR Oranjestraat 11 A              | 3274AK Heinenoord  | 92.173   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TS Spuivelden 5                   | 3274CM Heinenoord  | 92.530   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tS Kröllerhaven 6                 | 2993ED Barendrecht | 93.761   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TT Prof. Teldersstraat 4          | 3274MC Heinenoord  | 92.831   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tT Smithaven 22                   | 2993EC Barendrecht | 93.746   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TU Dorpsstraat 32                 | 3274BD Heinenoord  | 92.203   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tU Steekkant 121                  | 2993DB Barendrecht | 94.071   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.   | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|---|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|   |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| tV Steekkant 135 2993DB Barendrecht             |      | 94.077   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TV Prof. Teldersstraat 12 3274MC Heinenoord     |      | 92.831   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TW Marijkestraat 5 3274AJ Heinenoord            |      | 92.271   | 427.070   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tW Steekkant 113 2993DB Barendrecht             |      | 94.075   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tX Smithaven 55 2993EC Barendrecht              |      | 93.703   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TX Kalesland 9 3274CH Heinenoord                |      | 92.523   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TY Boerengorzen 11 3274CV Heinenoord            |      | 92.782   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tY Steekkant 56 2993DB Barendrecht              |      | 94.103   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TZ Irenestraat 18 3274AE Heinenoord             |      | 92.260   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tZ Smithaven 45 2993EC Barendrecht              |      | 93.705   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| U Blaaksedijk West 29 3274LD Heinenoord         |      | 94.052   | 425.609   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •U Achterzeedijk 1 a 47 2991SB Barendrecht      |      | 97.120   | 427.569   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uA Müllerhaven 16 2993EA Barendrecht            |      | 93.826   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UA Wouter van den Walestr 64 3274CS Heinenoord  |      | 92.365   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UB Avenhil 35 3274CT Heinenoord                 |      | 92.720   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uB Swarttouwhaven 68 2993HP Barendrecht         |      | 93.493   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UC Beatrixstraat 29 3274AA Heinenoord           |      | 92.191   | 427.069   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uC Steekkant 30 2993DB Barendrecht              |      | 94.029   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uD Steekkant 38 2993DB Barendrecht              |      | 94.054   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UD Wiardi Beckmanhof 3 3274CX Heinenoord        |      | 92.662   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UE Martin Luther Kingstraat 2 3274CK Heinenoord |      | 92.386   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uE Meeshaven 3 2993HN Barendrecht               |      | 93.651   | 428.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UF Rietwaard 7 3274MA Heinenoord                |      | 92.843   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uF Van Hobokenhaven 51 2993HH Barendrecht       |      | 93.455   | 428.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uG Steekkant 42 2993DB Barendrecht              |      | 94.065   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UG Dorpsstraat 9 3274BB Heinenoord              |      | 92.373   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UH Oranjestraat 13 3274AK Heinenoord            |      | 92.208   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uH Meeshaven 1 2993HN Barendrecht               |      | 93.651   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uI Steekkant 69 2993DB Barendrecht              |      | 93.960   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UI Avenhil 4 3274CT Heinenoord                  |      | 92.655   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UJ De Laagjes 15 3274CB Heinenoord              |      | 92.501   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uJ Aalwater 22 2993DD Barendrecht               |      | 94.016   | 428.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UK Bernhardstraat 8 3274AB Heinenoord           |      | 92.239   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uK Steekkant 29 2993DB Barendrecht              |      | 93.955   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uL Steurwater 9 2993DE Barendrecht              |      | 93.942   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UL Margrietstraat 13 3274AH Heinenoord          |      | 92.291   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uM Smithaven 47 2993EC Barendrecht              |      | 93.705   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UM Irenestraat 15 3274AD Heinenoord             |      | 92.243   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uN Meeshaven 12 2993HN Barendrecht              |      | 93.630   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UN Rietwaard 26 3274MA Heinenoord               |      | 92.914   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uO Meeshaven 15 2993HN Barendrecht              |      | 93.659   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UO Avenhil 42 3274CT Heinenoord                 |      | 92.700   | 426.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uP Steekkant 117 2993DB Barendrecht             |      | 94.075   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UP Dreeshof 10 3274CC Heinenoord                |      | 92.575   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uQ Steekkant 36 2993DB Barendrecht              |      | 94.049   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UQ Oosteinde 20 3274KC Heinenoord               |      | 92.708   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uR Calandhaven 7 2993HL Barendrecht             |      | 93.527   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UR John F. Kennedystraat 69 3274CG Heinenoord   |      | 92.755   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| US De Laagjes 30 3274CB Heinenoord              |      | 92.527   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uS Calandhaven 5 2993HL Barendrecht             |      | 93.512   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UT Martin Luther Kingstraat 8 3274CK Heinenoord |      | 92.386   | 427.059   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uT Van Hobokenhaven 55 2993HH Barendrecht       |      | 93.452   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UU Wiardi Beckmanhof 16 3274CX Heinenoord       |      | 92.704   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uU Kröllerhaven 25 2993ED Barendrecht           |      | 93.859   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uV Kröllerhaven 8 2993ED Barendrecht            |      | 93.752   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UV Thorbeckehof 9 3274CP Heinenoord             |      | 92.605   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uW Van Hobokenhaven 31 2993HH Barendrecht       |      | 93.463   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UW Emmastraat 24 3274AC Heinenoord              |      | 92.298   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UX John F. Kennedystraat 71 3274CG Heinenoord   |      | 92.762   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uX Steekkant 125 2993DB Barendrecht             |      | 94.067   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UY Avenhil 7 3274CT Heinenoord                  |      | 92.633   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uY Steekkant 157 2993DB Barendrecht             |      | 94.067   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UZ Irenestraat 34 3274AE Heinenoord             |      | 92.302   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| uZ Steekkant 43 2993DB Barendrecht               |      | 93.961   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| V Blaaksedijk West 25 3274LD Heinenoord          |      | 94.076   | 425.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •V Achterzeedijk 1 a 48 2991SB Barendrecht       |      | 97.113   | 427.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vA Swarttouwhaven 22 2993HP Barendrecht          |      | 93.503   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VA Martin Luther Kingstraat 12 3274CK Heinenoord |      | 92.414   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vB Aalwater 6 2993DD Barendrecht                 |      | 93.964   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VB Buitenlanden 2 3274MB Heinenoord              |      | 92.916   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vc Steekkant 49 2993DB Barendrecht               |      | 93.961   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VC Abraham Kuyperhof 1 3274CW Heinenoord         |      | 92.728   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vD Steekkant 141 2993DB Barendrecht              |      | 94.075   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VD Kalesland 76 3274CH Heinenoord                |      | 92.592   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vE Meeshaven 6 2993HN Barendrecht                |      | 93.625   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VE Dreeshof 6 3274CC Heinenoord                  |      | 92.574   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VF John F. Kennedystraat 73 3274CG Heinenoord    |      | 92.768   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vF Meeshaven 10 2993HN Barendrecht               |      | 93.629   | 428.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VG Dreeshof 7 3274CC Heinenoord                  |      | 92.522   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vG Meeshaven 16 2993HN Barendrecht               |      | 93.629   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vH Müllerhaven 78 2993EA Barendrecht             |      | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VH Dorpsstraat 3 3274BB Heinenoord               |      | 92.434   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vl Steekkant 3 2993DB Barendrecht                |      | 93.966   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VI Beatrixstraat 46 3274AA Heinenoord            |      | 92.209   | 427.002   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VJ Oranjestraat 24 3274AK Heinenoord             |      | 92.194   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vJ Steekkant 8 2993DB Barendrecht                |      | 93.964   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vk Steekkant 65 2993DB Barendrecht               |      | 93.957   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VK Avenhil 21 3274CT Heinenoord                  |      | 92.710   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Müllerhaven 20 2993EA Barendrecht             |      | 93.833   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Irenestraat 42 3274AE Heinenoord              |      | 92.288   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vM Kröllerhaven 17 2993ED Barendrecht            |      | 93.860   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VM Irenestraat 5 3274AD Heinenoord               |      | 92.237   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vN Steurwater 3 2993DE Barendrecht               |      | 93.940   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VN Prof. Teldersstraat 53 3274MC Heinenoord      |      | 92.876   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vO Steekkant 97 2993DB Barendrecht               |      | 94.074   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VO Wouter van den Walestr 38 3274CS Heinenoord   |      | 92.346   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VP Martin Luther Kingstraat 22 3274CK Heinenoord |      | 92.445   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vP Vederhaven 9 2993EB Barendrecht               |      | 93.756   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vQ Müllerhaven 2 2993EA Barendrecht              |      | 93.828   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VQ Avenhil 33 3274CT Heinenoord                  |      | 92.732   | 426.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vr Vederhaven 19 2993EB Barendrecht              |      | 93.729   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VR Oosteinde 4 3274CK Heinenoord                 |      | 92.893   | 426.673   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VS Buitenlanden 3 3274MB Heinenoord              |      | 92.887   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vS Smithaven 41 2993EC Barendrecht               |      | 93.706   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VT Martin Luther Kingstraat 64 3274CL Heinenoord |      | 92.606   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vT Van Hobokenhaven 29 2993HH Barendrecht        |      | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VU Buitenlanden 15 3274MB Heinenoord             |      | 92.895   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vU Zalmwater 147 2993DX Barendrecht              |      | 94.092   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vV Swarttouwhaven 64 2993HP Barendrecht          |      | 93.502   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VV Rietwaard 8 3274MA Heinenoord                 |      | 92.813   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VW Martin Luther Kingstraat 42 3274CL Heinenoord |      | 92.520   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vW Aalwater 12 2993DD Barendrecht                |      | 93.979   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vX Kröllerhaven 55 2993ED Barendrecht            |      | 93.735   | 428.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VX De Laagjes 10 3274CB Heinenoord               |      | 92.458   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vY Meeshaven 13 2993HN Barendrecht               |      | 93.658   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VY Martin Luther Kingstraat 16 3274CK Heinenoord |      | 92.426   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vZ Meeshaven 11 2993HN Barendrecht               |      | 93.657   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VZ Wouter van den Walestr 78 3274CS Heinenoord   |      | 92.367   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| W Blaaksedijk West 30 3274LE Heinenoord          |      | 94.004   | 425.661   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •W Achterzeedijk 1 a 49 2991SB Barendrecht       |      | 97.104   | 427.610   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WA Marijkestraat 12 3274AJ Heinenoord            |      | 92.350   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wA Koedood 20 2993AL Barendrecht                 |      | 93.529   | 428.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WB Wouter van den Walestr 16 3274CR Heinenoord   |      | 92.329   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wB Zalmwater 145 2993DX Barendrecht              |      | 94.098   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WC Talmahof 10 3274CN Heinenoord                 |      | 92.490   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wC Zalmwater 149 2993DX Barendrecht              |      | 94.085   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| WD  | Beatrixstraat 27 3274AA Heinenoord            | 92.187   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wD  | Kröllerhaven 49 2993ED Barendrecht            | 93.762   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wE  | Zalmwater 135 2993DX Barendrecht              | 94.129   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WE  | Oosteinde 18 3274KC Heinenoord                | 92.748   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WF  | Spuivelden 11 3274CM Heinenoord               | 92.531   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wF  | Stekkant 26 2993DB Barendrecht                | 94.030   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WG  | Avenhil 17 3274CT Heinenoord                  | 92.662   | 426.946   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wG  | Stekkant 46 2993DB Barendrecht                | 94.076   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WH  | Oosteinde 33 3274KB Heinenoord                | 92.738   | 426.600   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wH  | Koedood 23 2993AL Barendrecht                 | 93.222   | 428.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WI  | Avenhil 39 3274CT Heinenoord                  | 92.738   | 426.874   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wI  | Meeshaven 17 2993HN Barendrecht               | 93.654   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wJ  | Swarttouwhaven 2 2993HP Barendrecht           | 93.657   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WJ  | Dorpsstraat 26 3274BD Heinenoord              | 92.222   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wK  | Stekkant 165 2993DB Barendrecht               | 94.079   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WK  | Prof. Teldersstraat 25 3274CZ Heinenoord      | 92.826   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wL  | Meeshaven 4 2993HN Barendrecht                | 93.626   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WL  | Koomansland 24 3274CJ Heinenoord              | 92.406   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wM  | Meeshaven 9 2993HN Barendrecht                | 93.656   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WM  | De Laagjes 1 3274CB Heinenoord                | 92.447   | 426.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WN  | Hermannushof 8 3274CE Heinenoord              | 92.529   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wN  | Vederhaven 5 2993EB Barendrecht               | 93.767   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wO  | Koedood 27 2993AL Barendrecht                 | 93.159   | 428.767   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WO  | Bernhardstraat 7 3274AB Heinenoord            | 92.203   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wP  | Swarttouwhaven 4 2993HP Barendrecht           | 93.643   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WP  | Andries Woutershof 4 3274CA Heinenoord        | 92.460   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WQ  | Bernhardstraat 18 3274AB Heinenoord           | 92.271   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wQ  | Swarttouwhaven 6 2993HP Barendrecht           | 93.629   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wR  | Kröllerhaven 10 2993ED Barendrecht            | 93.743   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WR  | Spuivelden 19 3274CM Heinenoord               | 92.579   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wS  | Smithaven 24 2993EC Barendrecht               | 93.737   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WS  | Kalesland 40 3274CH Heinenoord                | 92.544   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WT  | Irenestraat 24 3274AE Heinenoord              | 92.273   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wT  | Kröllerhaven 45 2993ED Barendrecht            | 93.780   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WU  | Kalesland 30 3274CH Heinenoord                | 92.530   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wU  | Smithaven 16 2993EC Barendrecht               | 93.773   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WV  | Kalesland 42 3274CH Heinenoord                | 92.549   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wV  | Stekkant 151 2993DB Barendrecht               | 94.065   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WW  | De Laagjes 36 3274CB Heinenoord               | 92.543   | 426.776   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wW  | Kröllerhaven 35 2993ED Barendrecht            | 93.828   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WX  | Martin Luther Kingstraat 28 3274CK Heinenoord | 92.472   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wX  | Stekkant 58 2993DB Barendrecht                | 94.109   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WY  | Prof. Teldersstraat 45 3274MC Heinenoord      | 92.877   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wY  | Ruyshaven 1 2993HM Barendrecht                | 93.578   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wZ  | Zalmwater 137 2993DX Barendrecht              | 94.123   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WZ  | Oranjestraat 28 3274AK Heinenoord             | 92.207   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| X   | Reedijk 4 3274KE Heinenoord                   | 93.702   | 425.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •X  | Achterzeedijk 1 a 50 2991SB Barendrecht       | 97.106   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XA  | John F. Kennedystraat 75 3274CG Heinenoord    | 92.771   | 426.980   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xA  | Müllerhaven 38 2993EA Barendrecht             | 93.833   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xB  | Stekkant 18 2993DB Barendrecht                | 93.990   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XB  | Thorbeckehof 7 3274CP Heinenoord              | 92.607   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xC  | Stekkant 21 2993DB Barendrecht                | 93.957   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XC  | Abraham Kuyperhof 13 3274CW Heinenoord        | 92.766   | 427.034   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xD  | Vederhaven 13 2993EB Barendrecht              | 93.745   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XD  | John F. Kennedystraat 51 3274CG Heinenoord    | 92.580   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xE  | Van Hobokenhaven 17 2993HH Barendrecht        | 93.456   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XE  | John F. Kennedystraat 17 3274CG Heinenoord    | 92.420   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xF  | Kabbelkant 12 2993DC Barendrecht              | 94.012   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XF  | Oranjestraat 21 3274AK Heinenoord             | 92.253   | 426.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xG  | Müllerhaven 14 2993EA Barendrecht             | 93.835   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XG  | Avenhil 38 3274CT Heinenoord                  | 92.732   | 426.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xH  | Stekkant 71 2993DB Barendrecht                | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| XH  | De Laagjes 14 3274CB Heinenoord               | 92.481   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XI  | Emmastraat 9 3274AC Heinenoord                | 92.245   | 426.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xI  | Swarttouwhaven 50 2993HP Barendrecht          | 93.505   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XJ  | Abraham Kuyperhof 4 3274CW Heinenoord         | 92.730   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xJ  | Koedood 29 3161GE Rhoon                       | 93.112   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xK  | Koedood 29 3161GE Rhoon                       | 93.114   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Boerengorzen 6 3274CV Heinenoord              | 92.750   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XL  | Kalesland 17 3274CH Heinenoord                | 92.555   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xL  | Weerkant 60 2993DA Barendrecht                | 94.325   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xM  | Spieringwater 1 2993DM Barendrecht            | 94.157   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XM  | Julianastraat 36 3274AG Heinenoord            | 92.162   | 427.014   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xN  | Weerkant 134 2993DA Barendrecht               | 94.227   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 92.215   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xO  | Harderwater 78 2993DW Barendrecht             | 94.304   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XO  | Talmahof 3 3274CN Heinenoord                  | 92.434   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 92.431   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xP  | Harderwater 76 2993DW Barendrecht             | 94.304   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 92.561   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xQ  | Weerkant 17 2993DA Barendrecht                | 94.232   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xR  | Kuikant 167 2993DV Barendrecht                | 94.338   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 92.318   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 92.203   | 426.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xS  | Weerkant 38 2993DA Barendrecht                | 94.314   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xT  | Weerkant 14 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XT  | Hermannushof 20 3274CE Heinenoord             | 92.582   | 426.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xU  | Weerkant 132 2993DA Barendrecht               | 94.225   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XU  | Kalesland 50 3274CH Heinenoord                | 92.564   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xV  | Weerkant 19 2993DA Barendrecht                | 94.226   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XV  | Buitelanden 6 3274MB Heinenoord               | 92.919   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XW  | Avenhil 1 3274CT Heinenoord                   | 92.669   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xW  | Harderwater 80 2993DW Barendrecht             | 94.304   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 92.309   | 427.061   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xX  | Weerkant 12 2993DA Barendrecht                | 94.311   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 92.764   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xY  | Zalmwater 115 2993DX Barendrecht              | 94.207   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 92.702   | 426.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xZ  | Weerkant 112 2993DA Barendrecht               | 94.229   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y   | Blaaksedijk West 35 3274LD Heinenoord         | 93.965   | 425.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 97.102   | 427.572   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yA  | Weerkant 76 2993DA Barendrecht                | 94.319   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 92.203   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yB  | Weerkant 100 2993DA Barendrecht               | 94.229   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 92.319   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YC  | De Laagjes 6 3274CB Heinenoord                | 92.446   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yC  | Weerkant 92 2993DA Barendrecht                | 94.225   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YD  | Rietwaard 16 3274MA Heinenoord                | 92.800   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yD  | Weerkant 6 2993DA Barendrecht                 | 94.321   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YE  | De Laagjes 3 3274CB Heinenoord                | 92.453   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yE  | Weerkant 46 2993DA Barendrecht                | 94.323   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yF  | Weerkant 18 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 92.765   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yG  | Weerkant 64 2993DA Barendrecht                | 94.312   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 92.335   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yH  | Weerkant 118 2993DA Barendrecht               | 94.231   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 92.333   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yl  | Harderwater 49 2993DW Barendrecht             | 94.275   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YI  | Avenhil 8 3274CT Heinenoord                   | 92.636   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yJ  | Weerkant 94 2993DA Barendrecht                | 94.227   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YJ  | Kalesland 66 3274CH Heinenoord                | 92.605   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yK  | Weerkant 1 2993DA Barendrecht                 | 94.255   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YK  | Kalesland 2 3274CH Heinenoord                 | 92.482   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Zalmwater 125 2993DX Barendrecht              | 94.176   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Koomansland 3 3274CJ Heinenoord               | 92.450   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 92.574   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yM  | Weerkant 114 2993DA Barendrecht               | 94.231   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yN  | Weerkant 20 2993DA Barendrecht                | 94.323   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 92.904   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yO  | Weerkant 138 2993DA Barendrecht               | 94.231   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 92.184   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YP  | Kalesland 60 3274CH Heinenoord                | 92.595   | 426.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yP  | Weerkant 48 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 94.169   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YQ  | Julianastraat 44 3274AG Heinenoord            | 92.152   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yR  | Weerkant 24 2993DA Barendrecht                | 94.324   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 92.712   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YS  | Rietwaard 19 3274MA Heinenoord                | 92.884   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yS  | Spieringwater 13 2993DM Barendrecht           | 94.160   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 92.335   | 426.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yT  | Weerkant 62 2993DA Barendrecht                | 94.322   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 92.315   | 427.060   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yU  | Weerkant 146 2993DA Barendrecht               | 94.231   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 92.730   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yV  | Weerkant 82 2993DA Barendrecht                | 94.315   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yW  | Spieringwater 9 2993DM Barendrecht            | 94.159   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 92.537   | 426.742   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 92.177   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yX  | Weerkant 136 2993DA Barendrecht               | 94.229   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yY  | Weerkant 158 2993DA Barendrecht               | 94.221   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 92.465   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 92.612   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 94.159   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 93.916   | 425.686   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 97.098   | 427.555   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zA  | Weerkant 86 2993DA Barendrecht                | 94.266   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 92.415   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zB  | Weerkant 32 2993DA Barendrecht                | 94.324   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 92.245   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zC  | Spieringwater 5 2993DM Barendrecht            | 94.158   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 92.809   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZD  | Kalesland 34 3274CH Heinenoord                | 92.530   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zD  | Weerkant 126 2993DA Barendrecht               | 94.223   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 92.663   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zE  | Weerkant 30 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zF  | Weerkant 104 2993DA Barendrecht               | 94.225   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 92.850   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zG  | Weerkant 70 2993DA Barendrecht                | 94.324   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 92.718   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 92.662   | 427.010   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zH  | Weerkant 10 2993DA Barendrecht                | 94.323   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 92.665   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zI  | Weerkant 33 2993DA Barendrecht                | 94.189   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zJ  | Weerkant 26 2993DA Barendrecht                | 94.325   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 92.211   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zK  | Weerkant 130 2993DA Barendrecht               | 94.223   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 92.239   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 92.365   | 426.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zL  | Weerkant 4 2993DA Barendrecht                 | 94.323   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 92.685   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zM  | Weerkant 68 2993DA Barendrecht                | 94.322   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zN  | Weerkant 96 2993DA Barendrecht                | 94.229   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 92.489   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zO  | Weerkant 34 2993DA Barendrecht                | 94.318   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 92.345   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zP  | Weerkant 31 2993DA Barendrecht                | 94.194   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZP  | Koelmansland 7 3274CJ Heinenoord              | 92.449   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zQ  | Weerkant 148 2993DA Barendrecht               | 94.229   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                         | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                             |                      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| ZQ Talmahof 5               | 3274CN Heinenoord    | 92.434   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZR Irenestraat 14           | 3274AE Heinenoord    | 92.259   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zR Weerkant 144             | 2993DA Barendrecht   | 94.233   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zS Weerkant 116             | 2993DA Barendrecht   | 94.232   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZS Oosteinde 26             | 3274KC Heinenoord    | 92.674   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZT John F. Kennedystraat 25 | 3274CG Heinenoord    | 92.447   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZT Spieringwater 11         | 2993DM Barendrecht   | 94.159   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zU Weerkant 140             | 2993DA Barendrecht   | 94.233   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZU Wouter van den Walestr   | 58 3274CS Heinenoord | 92.352   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zV Weerkant 42              | 2993DA Barendrecht   | 94.318   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZV Margrietstraat 16        | 3274AH Heinenoord    | 92.326   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZW Bernhardstraat 1 A       | 3274AB Heinenoord    | 92.195   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zW Weerkant 122             | 2993DA Barendrecht   | 94.227   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zX Weerkant 168             | 2993DA Barendrecht   | 94.149   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZX De Laagjes 13            | 3274CB Heinenoord    | 92.501   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZY Marijkestraat 3          | 3274AJ Heinenoord    | 92.262   | 427.071   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zY Weerkant 80              | 2993DA Barendrecht   | 94.317   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZZ Wouter van den Walestr   | 46 3274CS Heinenoord | 92.363   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zz Weerkant 106             | 2993DA Barendrecht   | 94.224   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

## Calculation Results

Shadow receptor

| No.                            | Name              | Shadow, expected values |
|--------------------------------|-------------------|-------------------------|
|                                |                   | Shadow hours            |
|                                |                   | per year<br>[h/year]    |
| [A Kalesland 11                | 3274CH Heinenoord | 0:46                    |
| [B Prof. Teldersstraat 39      | 3274MC Heinenoord | 2:53                    |
| [C Bernhardstraat 1 C          | 3274AB Heinenoord | 0:00                    |
| [D Wiardi Beckmanhof 17        | 3274CX Heinenoord | 1:36                    |
| [E Abraham Kuyperhof 15        | 3274CW Heinenoord | 2:04                    |
| [F Margrietstraat 4            | 3274AH Heinenoord | 0:00                    |
| [G Wiardi Beckmanhof 6         | 3274CX Heinenoord | 1:12                    |
| [H Rietwaard 9                 | 3274MA Heinenoord | 3:10                    |
| [I Kalesland 20                | 3274CH Heinenoord | 0:36                    |
| [J Rietwaard 11                | 3274MA Heinenoord | 3:15                    |
| [K Buitelanden 14              | 3274MB Heinenoord | 4:02                    |
| [L Abraham Kuyperhof 11        | 3274CW Heinenoord | 2:01                    |
| [M John F. Kennedystraat 29    | 3274CG Heinenoord | 0:33                    |
| [N Marijkestraat 19            | 3274AJ Heinenoord | 0:00                    |
| [O Avenhil 41                  | 3274CT Heinenoord | 1:25                    |
| [P Oosteinde 35                | 3274KB Heinenoord | 2:13                    |
| [Q Martin Luther Kingstraat 26 | 3274CK Heinenoord | 0:31                    |
| [R Oranjestraat 27             | 3274AK Heinenoord | 0:00                    |
| [S John F. Kennedystraat 8     | 3274CG Heinenoord | 1:14                    |
| [T Emmastraat 14               | 3274AC Heinenoord | 0:00                    |
| [U Irenestraat 23              | 3274AD Heinenoord | 0:00                    |
| [V Spuibedden 3                | 3274CM Heinenoord | 0:41                    |
| [W Beatrixstraat 42            | 3274AA Heinenoord | 0:00                    |
| [X Buitelanden 7               | 3274MB Heinenoord | 3:41                    |
| [Y Koomansland 38              | 3274CJ Heinenoord | 0:27                    |
| [Z Kalesland 16                | 3274CH Heinenoord | 0:34                    |
| \A Kalesland 8                 | 3274CH Heinenoord | 0:32                    |
| \B Talmahof 1                  | 3274CN Heinenoord | 0:25                    |
| \C Koomansland 17              | 3274CJ Heinenoord | 0:32                    |
| \D Irenestraat 22              | 3274AE Heinenoord | 0:00                    |
| \E John F. Kennedystraat 65    | 3274CG Heinenoord | 1:37                    |
| \F Spuibedden 10               | 3274CM Heinenoord | 0:50                    |
| \G Thorbeckehof 5              | 3274CP Heinenoord | 0:56                    |
| \H Spuibedden 6                | 3274CM Heinenoord | 0:48                    |
| \I Prof. Teldersstraat 29      | 3274CZ Heinenoord | 2:38                    |
| \J John F. Kennedystraat 45    | 3274CG Heinenoord | 0:40                    |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 1:49                    |                      |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 4:58                    |                      |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 1:48                    |                      |
| \N  | De Laagjes 11 3274CB Heinenoord               | 0:30                    |                      |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 0:39                    |                      |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 3:10                    |                      |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 0:00                    |                      |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 0:00                    |                      |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 2:47                    |                      |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 0:22                    |                      |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 3:08                    |                      |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 0:00                    |                      |
| \W  | Spuivelden 7 3274CM Heinenoord                | 0:40                    |                      |
| \X  | Avenhil 19 3274CT Heinenoord                  | 1:17                    |                      |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 0:53                    |                      |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 0:00                    |                      |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 3:36                    |                      |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 0:33                    |                      |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 2:36                    |                      |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 0:27                    |                      |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 2:03                    |                      |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 0:00                    |                      |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 3:57                    |                      |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 3:02                    |                      |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 6:39                    |                      |
| ]J  | Kalesland 44 3274CH Heinenoord                | 0:46                    |                      |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 1:24                    |                      |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 0:22                    |                      |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 6:29                    |                      |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 1:53                    |                      |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 3:30                    |                      |
| ]P  | Kalesland 14 3274CH Heinenoord                | 0:33                    |                      |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 0:53                    |                      |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 1:48                    |                      |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 1:11                    |                      |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 0:38                    |                      |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 0:22                    |                      |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 0:48                    |                      |
| ]W  | Kalesland 13 3274CH Heinenoord                | 0:45                    |                      |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 0:21                    |                      |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 0:49                    |                      |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 1:51                    |                      |
| ^A  | Kalesland 24 3274CH Heinenoord                | 0:36                    |                      |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 3:42                    |                      |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 0:23                    |                      |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 0:48                    |                      |
| ^E  | Kalesland 54 3274CH Heinenoord                | 0:49                    |                      |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 0:00                    |                      |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 0:00                    |                      |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 0:00                    |                      |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 1:53                    |                      |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 0:00                    |                      |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 0:00                    |                      |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 0:00                    |                      |
| ^M  | Kalesland 48 3274CH Heinenoord                | 0:47                    |                      |
| ^N  | Buitelanden 9 3274MB Heinenoord               | 3:39                    |                      |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 1:13                    |                      |
| ^P  | Kalesland 74 3274CH Heinenoord                | 0:52                    |                      |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 2:45                    |                      |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 0:00                    |                      |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 0:27                    |                      |
| ^T  | Kalesland 15 3274CH Heinenoord                | 0:46                    |                      |
| ^U  | Buitelanden 10 3274MB Heinenoord              | 4:06                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 0:48                                 |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 0:41                                 |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 3:21                                 |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 0:00                                 |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 2:01                                 |
| _A  | Kalesland 12 3274CH Heinenoord                | 0:32                                 |
| _B  | Hermannushof 18 3274CE Heinenoord             | 0:47                                 |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 0:00                                 |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 2:48                                 |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 0:00                                 |
| _F  | Emmastraat 18 3274AC Heinenoord               | 0:00                                 |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 2:04                                 |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 1:13                                 |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 2:26                                 |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 0:00                                 |
| _K  | Avenhil 26 3274CT Heinenoord                  | 1:52                                 |
| _L  | Spuivelden 4 3274CM Heinenoord                | 0:47                                 |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 0:00                                 |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 0:26                                 |
| _O  | Rietwaard 12 3274MA Heinenoord                | 2:38                                 |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 0:00                                 |
| _Q  | Kalesland 62 3274CH Heinenoord                | 0:54                                 |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 0:51                                 |
| _S  | Koimansland 20 3274CJ Heinenoord              | 0:00                                 |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 2:23                                 |
| _U  | Talmahof 12 3274CN Heinenoord                 | 0:34                                 |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 2:23                                 |
| _W  | Rietwaard 15 3274MA Heinenoord                | 3:33                                 |
| _X  | Oosteinde 43 3274KB Heinenoord                | 1:22                                 |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 0:30                                 |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 0:00                                 |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 3:13                                 |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 0:29                                 |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 0:33                                 |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 0:00                                 |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 0:49                                 |
| `F  | Irenestraat 32 3274AE Heinenoord              | 0:00                                 |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 0:00                                 |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 0:00                                 |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 2:50                                 |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 0:00                                 |
| `K  | De Laagjes 32 3274CB Heinenoord               | 0:39                                 |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 0:00                                 |
| `M  | Irenestraat 11 3274AD Heinenoord              | 0:00                                 |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 0:00                                 |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 2:25                                 |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 0:00                                 |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 0:00                                 |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 1:35                                 |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 2:17                                 |
| `T  | Emmastraat 36 3274AC Heinenoord               | 0:00                                 |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 0:00                                 |
| `V  | Spuivelden 27 3274CM Heinenoord               | 0:49                                 |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 0:00                                 |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord   | 0:00                                 |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord    | 1:34                                 |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord   | 0:00                                 |
| {A} | Weerkant 88 2993DA Barendrecht                | 0:00                                 |
| {B} | Weerkant 5 2993DA Barendrecht                 | 0:00                                 |
| {C} | Weerkant 72 2993DA Barendrecht                | 0:00                                 |
| {D} | Zalmwater 111 2993DX Barendrecht              | 0:00                                 |
| {E} | Weerkant 37 2993DA Barendrecht                | 0:00                                 |
| {F} | Weerkant 166 2993DA Barendrecht               | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name                                       | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| {G  | Weerkant 128 2993DA Barendrecht            | 0:00                                 |
| {H  | Weerkant 56 2993DA Barendrecht             | 0:00                                 |
| {I  | Weerkant 23 2993DA Barendrecht             | 0:00                                 |
| {J  | Weerkant 25 2993DA Barendrecht             | 0:00                                 |
| {K  | Weerkant 21 2993DA Barendrecht             | 0:00                                 |
| {L  | Weerkant 66 2993DA Barendrecht             | 0:00                                 |
| {M  | Weerkant 120 2993DA Barendrecht            | 0:00                                 |
| {N  | Zalmwater 121 2993DX Barendrecht           | 0:00                                 |
| {O  | Weerkant 22 2993DA Barendrecht             | 0:00                                 |
| {P  | Weerkant 162 2993DA Barendrecht            | 0:00                                 |
| {Q  | Zalmwater 123 2993DX Barendrecht           | 0:00                                 |
| {R  | Weerkant 54 2993DA Barendrecht             | 0:00                                 |
| {S  | Weerkant 44 2993DA Barendrecht             | 0:00                                 |
| {T  | Weerkant 108 2993DA Barendrecht            | 0:00                                 |
| {U  | Weerkant 8 2993DA Barendrecht              | 0:00                                 |
| {V  | Weerkant 150 2993DA Barendrecht            | 0:00                                 |
| {W  | Zalmwater 131 2993DX Barendrecht           | 0:00                                 |
| {X  | Weerkant 35 2993DA Barendrecht             | 0:00                                 |
| {Y  | Weerkant 28 2993DA Barendrecht             | 0:00                                 |
| {Z  | Weerkant 98 2993DA Barendrecht             | 0:00                                 |
| A   | Weerkant 124 2993DA Barendrecht            | 0:00                                 |
| B   | Weerkant 52 2993DA Barendrecht             | 0:00                                 |
| C   | Kuilkant 169 2993DV Barendrecht            | 0:00                                 |
| D   | Weerkant 36 2993DA Barendrecht             | 0:00                                 |
| E   | Weerkant 2 2993DA Barendrecht              | 0:00                                 |
| F   | Weerkant 27 2993DA Barendrecht             | 0:00                                 |
| G   | Weerkant 29 2993DA Barendrecht             | 0:00                                 |
| H   | Weerkant 90 2993DA Barendrecht             | 0:00                                 |
| I   | Weerkant 160 2993DA Barendrecht            | 0:00                                 |
| J   | Zalmwater 117 2993DX Barendrecht           | 0:00                                 |
| K   | Koedood 2 2993AL Barendrecht               | 0:00                                 |
| L   | Weerkant 11 2993DA Barendrecht             | 0:00                                 |
| M   | Weerkant 15 2993DA Barendrecht             | 0:00                                 |
| N   | Weerkant 16 2993DA Barendrecht             | 0:00                                 |
| O   | Weerkant 40 2993DA Barendrecht             | 0:00                                 |
| P   | Weerkant 74 2993DA Barendrecht             | 0:00                                 |
| Q   | Weerkant 78 2993DA Barendrecht             | 0:00                                 |
| R   | Weerkant 102 2993DA Barendrecht            | 0:00                                 |
| S   | Harderwater 51 2993DW Barendrecht          | 0:00                                 |
| T   | Zalmwater 119 2993DX Barendrecht           | 0:00                                 |
| U   | Zalmwater 129 2993DX Barendrecht           | 0:00                                 |
| V   | Weerkant 156 2993DA Barendrecht            | 0:00                                 |
| W   | Spieringwater 3 2993DM Barendrecht         | 0:00                                 |
| X   | Weerkant 7 2993DA Barendrecht              | 0:00                                 |
| Y   | Weerkant 13 2993DA Barendrecht             | 0:00                                 |
| Z   | Weerkant 3 2993DA Barendrecht              | 0:00                                 |
| )A  | Weerkant 9 2993DA Barendrecht              | 0:00                                 |
| )B  | Weerkant 110 2993DA Barendrecht            | 0:00                                 |
| )C  | Weerkant 142 2993DA Barendrecht            | 0:00                                 |
| )D  | Weerkant 154 2993DA Barendrecht            | 0:00                                 |
| )E  | Weerkant 164 2993DA Barendrecht            | 0:00                                 |
| )F  | Weerkant 152 2993DA Barendrecht            | 0:00                                 |
| )G  | Zalmwater 113 2993DX Barendrecht           | 0:00                                 |
| )H  | Weerkant 50 2993DA Barendrecht             | 0:00                                 |
| )I  | Weerkant 58 2993DA Barendrecht             | 0:00                                 |
| )J  | Kuipersveer 9 3274KH Heinenoord            | 0:00                                 |
| )K  | Kuipersveer 7 3274KH Heinenoord            | 0:00                                 |
| )L  | Kuipersveer 3 3274KH Heinenoord            | 0:00                                 |
| )M  | Kuipersveer 5 3274KH Heinenoord            | 0:00                                 |
| )N  | Kuipersveer 1 A 3274KH Heinenoord          | 0:00                                 |
| )O  | Ziedewijdsekade 14 2991VS Barendrecht      | 0:00                                 |
| )P  | 3e Barendrechtseweg 555 2991SH Barendrecht | 0:00                                 |
| )Q  | 3e Barendrechtseweg 454 2992SN Barendrecht | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| )R  | Ziedewijdsekade 36 2991SE Barendrecht         | 0:00                    |                      |
| )S  | 3e Barendrechtseweg 545 2991SH Barendrecht    | 0:00                    |                      |
| )T  | Ziedewijdsekade 18 2991VS Barendrecht         | 0:39                    |                      |
| )U  | Ziedewijdsekade 72 2991SE Barendrecht         | 0:00                    |                      |
| )V  | Ziedewijdsekade 1 2991VS Barendrecht          | 0:00                    |                      |
| )W  | 3e Barendrechtseweg 541 2991SH Barendrecht    | 0:00                    |                      |
| )X  | Achterzeedijk 11 2991SB Barendrecht           | 0:26                    |                      |
| )Y  | Ziedewijdsekade 70 2991SE Barendrecht         | 0:00                    |                      |
| )Z  | Ziedewijdsekade 10 2991VS Barendrecht         | 0:00                    |                      |
| ~A  | 3e Barendrechtseweg 559 2991SH Barendrecht    | 0:23                    |                      |
| ~B  | Ziedewijdsekade 12 2991VS Barendrecht         | 0:00                    |                      |
| ~C  | Ziedewijdsekade 34 2991SE Barendrecht         | 0:00                    |                      |
| ~D  | Achterzeedijk 1 2991SB Barendrecht            | 1:53                    |                      |
| ~E  | Achterzeedijk 1 a 1 2991SB Barendrecht        | 0:25                    |                      |
| ~F  | Achterzeedijk 1 a 2 2991SB Barendrecht        | 0:25                    |                      |
| ~G  | Achterzeedijk 1 a 3 2991SB Barendrecht        | 0:28                    |                      |
| ~H  | Achterzeedijk 1 a 4 2991SB Barendrecht        | 0:31                    |                      |
| ~I  | Achterzeedijk 1 a 6 2991SB Barendrecht        | 0:28                    |                      |
| ~J  | Achterzeedijk 1 a 7 2991SB Barendrecht        | 0:30                    |                      |
| ~K  | Achterzeedijk 1 a 8 2991SB Barendrecht        | 0:32                    |                      |
| ~L  | Achterzeedijk 1 a 9 2991SB Barendrecht        | 0:30                    |                      |
| ~M  | Achterzeedijk 1 a 10 2991SB Barendrecht       | 0:31                    |                      |
| ~N  | Achterzeedijk 1 a 11 2991SB Barendrecht       | 0:32                    |                      |
| ~O  | Achterzeedijk 1 a 12 2991SB Barendrecht       | 0:34                    |                      |
| ~P  | Achterzeedijk 1 a 14 2991SB Barendrecht       | 0:32                    |                      |
| ~Q  | Achterzeedijk 1 a 16 2991SB Barendrecht       | 0:37                    |                      |
| ~R  | Achterzeedijk 1 a 17 2991SB Barendrecht       | 0:35                    |                      |
| ~S  | Achterzeedijk 1 a 18 2991SB Barendrecht       | 0:37                    |                      |
| ~T  | Achterzeedijk 1 a 19 2991SB Barendrecht       | 0:38                    |                      |
| ~U  | Achterzeedijk 1 a 20 2991SB Barendrecht       | 0:40                    |                      |
| ~V  | Achterzeedijk 1 a 21 2991SB Barendrecht       | 0:36                    |                      |
| ~W  | Achterzeedijk 1 a 22 2991SB Barendrecht       | 0:39                    |                      |
| ~X  | Achterzeedijk 1 a 23 2991SB Barendrecht       | 0:43                    |                      |
| ~Y  | Achterzeedijk 1 a 24 2991SB Barendrecht       | 0:45                    |                      |
| ~Z  | Achterzeedijk 1 a 26 2991SB Barendrecht       | 0:42                    |                      |
| ?AA | Achterzeedijk 1 a 53 2991SB Barendrecht       | 1:45                    |                      |
| ?BA | Achterzeedijk 1 a 54 2991SB Barendrecht       | 1:47                    |                      |
| ?CA | Achterzeedijk 1 a 55 2991SB Barendrecht       | 1:45                    |                      |
| ?DA | Achterzeedijk 1 a 56 2991SB Barendrecht       | 1:44                    |                      |
| ?EA | Achterzeedijk 1 a 13 2991SB Barendrecht       | 0:32                    |                      |
| ?FA | Achterzeedijk 1 a 15 2991SB Barendrecht       | 0:35                    |                      |
| ?GA | Achterzeedijk 1 a 25 2991SB Barendrecht       | 0:42                    |                      |
| ?HA | Achterzeedijk 1 a 5 2991SB Barendrecht        | 0:26                    |                      |
| ?IK | Kuipersveer 15 3274KH Heinenoord              | 0:28                    |                      |
| ?JK | Kuipersveer 31 3274KH Heinenoord              | 0:50                    |                      |
| ?KK | Kuipersveer 15 A 3274KH Heinenoord            | 0:29                    |                      |
| ?LK | Kuipersveer 23 3274KH Heinenoord              | 0:41                    |                      |
| ?MK | Kuipersveer 13 3274KH Heinenoord              | 0:24                    |                      |
| ?NK | Kuipersveer 15 D 3274KH Heinenoord            | 0:36                    |                      |
| ?OK | Kuipersveer 19 3274KH Heinenoord              | 0:40                    |                      |
| ?PK | Kuipersveer 25 3274KH Heinenoord              | 0:43                    |                      |
| ?QK | Kuipersveer 21 3274KH Heinenoord              | 0:40                    |                      |
| ?RK | Kuipersveer 35 3274KH Heinenoord              | 0:44                    |                      |
| ?SK | Kuipersveer 15 C 3274KH Heinenoord            | 0:32                    |                      |
| ?TK | Kuipersveer 17 3274KH Heinenoord              | 0:38                    |                      |
| A   | Blaaksedijk West 28 3274LE Heinenoord         | 0:00                    |                      |
| •A  | Achterzeedijk 1 a 27 2991SB Barendrecht       | 0:45                    |                      |
| AA  | Blaaksedijk West 26 3274LE Heinenoord         | 0:00                    |                      |
| aA  | Martin Luther Kingstraat 44 3274CL Heinenoord | 0:39                    |                      |
| AB  | Doormanstraat 15 3274LK Heinenoord            | 0:00                    |                      |
| aB  | Rietwaard 22 3274MA Heinenoord                | 3:50                    |                      |
| aC  | Kalesland 68 3274CH Heinenoord                | 0:55                    |                      |
| AC  | Mollekade 11 3274LN Heinenoord                | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| aD  | Hermannushof 12 3274CE Heinenoord             | 0:41                                 |
| AD  | Boonsweg 55 3274LH Heinenoord                 | 0:00                                 |
| AE  | Dormanstraat 19 3274LK Heinenoord             | 0:00                                 |
| aE  | De Laagjes 24 3274CB Heinenoord               | 0:35                                 |
| AF  | Dormanstraat 35 3274LK Heinenoord             | 0:00                                 |
| aF  | Wouter van den Walestr 42 3274CS Heinenoord   | 0:00                                 |
| aG  | Avenhil 29 3274CT Heinenoord                  | 1:57                                 |
| AG  | Dormanstraat 12 3274LK Heinenoord             | 0:00                                 |
| aH  | Beatrixstraat 50 3274AA Heinenoord            | 0:00                                 |
| AH  | Mollekade 24 A 3274LP Heinenoord              | 0:00                                 |
| AI  | Dormanstraat 21 3274LK Heinenoord             | 0:00                                 |
| aI  | Martin Luther Kingstraat 38 3274CL Heinenoord | 0:37                                 |
| aJ  | Koimansland 34 3274CJ Heinenoord              | 0:25                                 |
| AJ  | Ruyterstraat 6 B 3274LJ Heinenoord            | 0:00                                 |
| aK  | Martin Luther Kingstraat 20 3274CK Heinenoord | 0:26                                 |
| AK  | Trompstraat 20 3274LT Heinenoord              | 0:00                                 |
| aL  | Spuivelden 1 3274CM Heinenoord                | 0:39                                 |
| AL  | van Galenstraat 11 3274LV Heinenoord          | 0:00                                 |
| aM  | Oranjestraat 22 3274AK Heinenoord             | 0:00                                 |
| AM  | Gorzenweg 2 3274LL Heinenoord                 | 0:00                                 |
| AN  | Mollekade 17 3274LN Heinenoord                | 0:00                                 |
| aN  | Koimansland 15 3274CJ Heinenoord              | 0:30                                 |
| aO  | De Laagjes 34 3274CB Heinenoord               | 0:41                                 |
| AO  | Mollekade 21 3274LN Heinenoord                | 0:00                                 |
| AP  | de Ruyterstraat 10 3274LJ Heinenoord          | 0:00                                 |
| aP  | Boerengorzen 12 3274CV Heinenoord             | 2:06                                 |
| aQ  | Hermannushof 22 3274CE Heinenoord             | 0:52                                 |
| AO  | Mollekade 3 A 3274LN Heinenoord               | 0:00                                 |
| aR  | Prof. Teldersstraat 17 3274CZ Heinenoord      | 2:18                                 |
| AR  | Dormanstraat 31 3274LK Heinenoord             | 0:00                                 |
| AS  | Gorzenweg 1 A 3274LL Heinenoord               | 0:00                                 |
| aS  | Avenhil 31 3274CT Heinenoord                  | 1:59                                 |
| AT  | de Ruyterstraat 4 A 3274LJ Heinenoord         | 0:00                                 |
| aT  | Martin Luther Kingstraat 4 3274CK Heinenoord  | 0:20                                 |
| aU  | Emmastraat 5 3274AC Heinenoord                | 0:00                                 |
| AU  | de Ruyterstraat 6 A 3274LJ Heinenoord         | 0:00                                 |
| aV  | Prof. Teldersstraat 33 3274MC Heinenoord      | 2:55                                 |
| AV  | Mollekade 13 A 3274LN Heinenoord              | 0:00                                 |
| aW  | Abraham Kuyperhof 6 3274CW Heinenoord         | 1:42                                 |
| AW  | Blaaksedijk West 15 3274LD Heinenoord         | 0:00                                 |
| aX  | Prof. Teldersstraat 9 3274CZ Heinenoord       | 2:24                                 |
| AX  | Dormanstraat 25 3274LK Heinenoord             | 0:00                                 |
| AY  | Blaaksedijk West 16 A 3274LE Heinenoord       | 0:00                                 |
| aY  | Andries Woutershof 6 3274CA Heinenoord        | 0:28                                 |
| AZ  | Gorzenweg 1 3274LL Heinenoord                 | 0:00                                 |
| aZ  | Beatrixstraat 25 3274AA Heinenoord            | 0:00                                 |
| B   | Blaaksedijk West 49 3274LD Heinenoord         | 0:00                                 |
| •B  | Achterzeedijk 1 a 28 2991SB Barendrecht       | 0:47                                 |
| bA  | Koimansland 9 3274CJ Heinenoord               | 0:27                                 |
| BA  | Nijverheidsweg 32 3274KJ Heinenoord           | 0:00                                 |
| BB  | Blaaksedijk West 19 3274LD Heinenoord         | 0:00                                 |
| bB  | Avenhil 22 3274CT Heinenoord                  | 1:44                                 |
| BC  | Mollekade 15 3274LN Heinenoord                | 0:00                                 |
| bC  | John F. Kennedystraat 87 3274CG Heinenoord    | 3:07                                 |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord    | 2:30                                 |
| BD  | Trompstraat 10 3274LT Heinenoord              | 0:00                                 |
| BE  | Mollekade 27 3274LN Heinenoord                | 0:00                                 |
| bE  | Irenestraat 17 3274AD Heinenoord              | 0:00                                 |
| BF  | Blaaksedijk West 21 3274LD Heinenoord         | 0:00                                 |
| bF  | Spuivelden 23 3274CM Heinenoord               | 0:50                                 |
| bG  | Kalesland 36 3274CH Heinenoord                | 0:41                                 |
| BG  | Piet Heinstraat 1 3274LR Heinenoord           | 0:00                                 |
| bH  | Koimansland 4 3274CJ Heinenoord               | 0:23                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
|     | BH Mollekade 1 3274LN Heinenoord             | 0:00                                 |
|     | BI de Ruyterstraat 15 3274LJ Heinenoord      | 0:00                                 |
|     | bI Jan de Rooystraat 1 3274NA Heinenoord     | 1:02                                 |
|     | bJ Jan de Rooystraat 3 3274NA Heinenoord     | 1:02                                 |
|     | BJ Blaaksedijk West 14 3274LE Heinenoord     | 0:00                                 |
|     | bK Jan de Rooystraat 5 3274NA Heinenoord     | 1:03                                 |
|     | BK Mollekade 8 3274LP Heinenoord             | 0:00                                 |
|     | BL de Ruyterstraat 2 B 3274LJ Heinenoord     | 0:00                                 |
|     | bL Jan de Rooystraat 7 3274NA Heinenoord     | 1:02                                 |
|     | BM van Galenstraat 4 3274LV Heinenoord       | 0:00                                 |
|     | bM Jan de Rooystraat 9 3274NA Heinenoord     | 1:02                                 |
|     | BN Mollekade 23 A 3274LN Heinenoord          | 0:00                                 |
|     | bN Jan de Rooystraat 11 3274NA Heinenoord    | 1:02                                 |
|     | BO Blaaksedijk West 20 3274LE Heinenoord     | 0:00                                 |
|     | bO Jan de Rooystraat 13 3274NA Heinenoord    | 1:04                                 |
|     | bP Jan de Rooystraat 2 3274NA Heinenoord     | 1:12                                 |
|     | BP Dormanstraat 45 3274LK Heinenoord         | 0:00                                 |
|     | BQ de Ruyterstraat 4 B 3274LJ Heinenoord     | 0:00                                 |
|     | bQ Jan de Rooystraat 4 3274NA Heinenoord     | 1:12                                 |
|     | BR Nijverheidsweg 7 3274KJ Heinenoord        | 0:00                                 |
|     | bR Jan de Rooystraat 6 3274NA Heinenoord     | 1:13                                 |
|     | bS Jan de Rooystraat 8 3274NA Heinenoord     | 1:13                                 |
|     | BS Gorzenweg 9 3274LL Heinenoord             | 0:00                                 |
|     | bT Jan de Rooystraat 10 3274NA Heinenoord    | 1:13                                 |
|     | BT Mollekade 9 3274LN Heinenoord             | 0:00                                 |
|     | BU de Ruyterstraat 14 3274LJ Heinenoord      | 0:00                                 |
|     | bU Jan de Rooystraat 12 3274NA Heinenoord    | 1:13                                 |
|     | BV Boonsweg 69 3274LH Heinenoord             | 0:00                                 |
|     | bV Jan de Rooystraat 14 3274NA Heinenoord    | 1:14                                 |
|     | BW Boonsweg 65 3274LH Heinenoord             | 0:00                                 |
|     | bW Jan de Rooystraat 16 3274NA Heinenoord    | 1:15                                 |
|     | BX Trompstraat 14 3274LT Heinenoord          | 0:00                                 |
|     | bX Arie Jongekrijgstraat 1 3274NB Heinenoord | 1:22                                 |
|     | BY Blaaksedijk West 18 3274LE Heinenoord     | 0:00                                 |
|     | bY Arie Jongekrijgstraat 3 3274NB Heinenoord | 1:24                                 |
|     | BZ van Galenstraat 7 3274LV Heinenoord       | 0:00                                 |
|     | bZ Arie Jongekrijgstraat 5 3274NB Heinenoord | 1:22                                 |
|     | C Blaaksedijk West 34 3274LE Heinenoord      | 0:00                                 |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht      | 0:43                                 |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord   | 1:27                                 |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord         | 0:00                                 |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord   | 1:34                                 |
| CB  | Trompstraat 16 3274LT Heinenoord             | 0:00                                 |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord   | 1:43                                 |
| CC  | Blaaksedijk West 12 3274LE Heinenoord        | 0:00                                 |
| CD  | Boonsweg 14 3274LH Heinenoord                | 0:00                                 |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord   | 1:51                                 |
| CE  | Mollekade 10 3274LP Heinenoord               | 0:00                                 |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord   | 1:57                                 |
| CF  | Gorzenweg 5 3274LL Heinenoord                | 0:00                                 |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord   | 2:02                                 |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord    | 1:32                                 |
| CG  | van Galenstraat 14 3274LV Heinenoord         | 0:00                                 |
| CH  | Trompstraat 22 3274LT Heinenoord             | 0:00                                 |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 1:32                                 |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 1:33                                 |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 0:00                                 |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 1:34                                 |
| CJ  | Mollekade 13 3274LN Heinenoord               | 0:00                                 |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 1:36                                 |
| CK  | Dormanstraat 37 3274LK Heinenoord            | 0:00                                 |
| CL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 1:36                                 |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                           | Name               | Shadow, expected values              |
|-------------------------------|--------------------|--------------------------------------|
|                               |                    | Shadow hours<br>per year<br>[h/year] |
| cM Arie Jongekrijgstraat 14   | 3274NB Heinenoord  | 1:35                                 |
| CM Boonsweg 12                | 3274LH Heinenoord  | 0:00                                 |
| CN Piet Heinstraat 2          | 3274LR Heinenoord  | 0:00                                 |
| cN Arie Jongekrijgstraat 16   | 3274NB Heinenoord  | 1:37                                 |
| cO Arie Jongekrijgstraat 18   | 3274NB Heinenoord  | 1:36                                 |
| CO Doormanstraat 33           | 3274LK Heinenoord  | 0:00                                 |
| CP Piet Heinstraat 3          | 3274LR Heinenoord  | 0:00                                 |
| cP Arie Jongekrijgstraat 20   | 3274NB Heinenoord  | 1:36                                 |
| cQ Opper Van Treurenstraat 2  | 3274ND Heinenoord  | 2:28                                 |
| CQ van Galenstraat 16         | 3274LV Heinenoord  | 0:00                                 |
| CR Gorzenweg 7                | 3274LL Heinenoord  | 0:00                                 |
| cR Opper Van Treurenstraat 4  | 3274ND Heinenoord  | 2:28                                 |
| CS Doormanstraat 27           | 3274LK Heinenoord  | 0:00                                 |
| cS Opper Van Treurenstraat 6  | 3274ND Heinenoord  | 2:28                                 |
| CT de Ruyterstraat 19         | 3274LJ Heinenoord  | 0:00                                 |
| cT Opper Van Treurenstraat 8  | 3274ND Heinenoord  | 2:28                                 |
| cU Opper Van Treurenstraat 10 | 3274ND Heinenoord  | 2:28                                 |
| CU Trompstraat 12             | 3274LT Heinenoord  | 0:00                                 |
| CV Nijverheidsweg 47          | 3274KJ Heinenoord  | 0:00                                 |
| cV Opper Van Treurenstraat 12 | 3274ND Heinenoord  | 2:28                                 |
| CW Doormanstraat 39           | 3274LK Heinenoord  | 0:00                                 |
| cW Opper Van Treurenstraat 14 | 3274ND Heinenoord  | 2:29                                 |
| cX Opper Van Treurenstraat 16 | 3274ND Heinenoord  | 2:29                                 |
| CX Boonsweg 6                 | 3274LH Heinenoord  | 0:00                                 |
| CY Piet Heinstraat 9          | 3274LR Heinenoord  | 0:00                                 |
| cY Opper Van Treurenstraat 18 | 3274ND Heinenoord  | 2:30                                 |
| cZ Opper Van Treurenstraat 20 | 3274ND Heinenoord  | 2:30                                 |
| CZ Nijverheidsweg 8           | 3274KJ Heinenoord  | 0:00                                 |
| D Blaaksedijk West 41         | 3274LD Heinenoord  | 0:00                                 |
| •D Achtereedijk 1 a 30        | 2991SB Barendrecht | 0:46                                 |
| dA Opper Van Treurenstraat 22 | 3274ND Heinenoord  | 2:30                                 |
| DA Boonsweg 4                 | 3274LH Heinenoord  | 0:00                                 |
| dB Opper Van Treurenstraat 24 | 3274ND Heinenoord  | 2:31                                 |
| DB de Ruyterstraat 2 A        | 3274LJ Heinenoord  | 0:00                                 |
| dC Opper Van Treurenstraat 26 | 3274ND Heinenoord  | 2:31                                 |
| DC van Galenstraat 1          | 3274LV Heinenoord  | 0:00                                 |
| DD Mollekade 7                | 3274LN Heinenoord  | 0:00                                 |
| dd Opper Van Treurenstraat 28 | 3274ND Heinenoord  | 2:32                                 |
| DE Mollekade 4                | 3274LP Heinenoord  | 0:00                                 |
| dE Opper Van Treurenstraat 30 | 3274ND Heinenoord  | 2:32                                 |
| DF Mollekade 2                | 3274LP Heinenoord  | 0:00                                 |
| dF Opper Van Treurenstraat 32 | 3274ND Heinenoord  | 2:32                                 |
| dG Opper Van Treurenstraat 34 | 3274ND Heinenoord  | 2:36                                 |
| DG van Galenstraat 28         | 3274LV Heinenoord  | 0:00                                 |
| DH Mollekade 6                | 3274LP Heinenoord  | 0:00                                 |
| dH Opper Van Treurenstraat 36 | 3274ND Heinenoord  | 2:35                                 |
| dI Opper Van Treurenstraat 38 | 3274ND Heinenoord  | 2:37                                 |
| DI Mollekade 26 C             | 3274LP Heinenoord  | 0:00                                 |
| DJ Mollekade 26 A             | 3274LP Heinenoord  | 0:00                                 |
| dJ Opper Van Treurenstraat 40 | 3274ND Heinenoord  | 2:36                                 |
| DK Nijverheidsweg 36          | 3274KJ Heinenoord  | 0:00                                 |
| dk Opper Van Treurenstraat 42 | 3274ND Heinenoord  | 2:36                                 |
| DL Doormanstraat 18           | 3274LK Heinenoord  | 0:00                                 |
| dL Opper Van Treurenstraat 44 | 3274ND Heinenoord  | 2:38                                 |
| dM Opper Van Treurenstraat 46 | 3274ND Heinenoord  | 2:39                                 |
| DM de Ruyterstraat 9          | 3274LJ Heinenoord  | 0:00                                 |
| DN van Galenstraat 20         | 3274LV Heinenoord  | 0:00                                 |
| dN Opper Van Treurenstraat 48 | 3274ND Heinenoord  | 2:38                                 |
| DO Mollekade 5                | 3274LN Heinenoord  | 0:00                                 |
| dO Opper Van Treurenstraat 50 | 3274ND Heinenoord  | 2:40                                 |
| DP Mollekade 25               | 3274LN Heinenoord  | 0:00                                 |
| dP Opper Van Treurenstraat 52 | 3274ND Heinenoord  | 2:42                                 |
| DQ Blaaksedijk West 17        | 3274LD Heinenoord  | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 2:42                    |                      |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 0:00                    |                      |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 2:41                    |                      |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 2:50                    |                      |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 0:00                    |                      |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 2:51                    |                      |
| DT  | Mollekade 19 3274LN Heinenoord               | 0:00                    |                      |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 2:52                    |                      |
| DU  | Trompstraat 6 3274LT Heinenoord              | 0:00                    |                      |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 2:56                    |                      |
| DV  | Trompstraat 24 3274LT Heinenoord             | 0:00                    |                      |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 0:00                    |                      |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 3:00                    |                      |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 0:00                    |                      |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 3:03                    |                      |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 0:00                    |                      |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 2:09                    |                      |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 2:10                    |                      |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 0:00                    |                      |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 0:00                    |                      |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 0:50                    |                      |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 2:09                    |                      |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 0:00                    |                      |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 2:09                    |                      |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 0:00                    |                      |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 0:00                    |                      |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 2:13                    |                      |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 0:00                    |                      |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 2:12                    |                      |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 2:12                    |                      |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 0:00                    |                      |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 2:10                    |                      |
| EF  | Mollekade 26 3274LP Heinenoord               | 0:00                    |                      |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 2:13                    |                      |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 0:00                    |                      |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 2:14                    |                      |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 0:00                    |                      |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 2:15                    |                      |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 0:00                    |                      |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 0:00                    |                      |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 2:14                    |                      |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 0:00                    |                      |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 2:16                    |                      |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 1:53                    |                      |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 0:00                    |                      |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 2:09                    |                      |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 0:00                    |                      |
| EN  | Trompstraat 8 3274LT Heinenoord              | 0:00                    |                      |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 2:01                    |                      |
| EO  | Trompstraat 4 3274LT Heinenoord              | 0:00                    |                      |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 1:54                    |                      |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 0:00                    |                      |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 1:48                    |                      |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 1:39                    |                      |
| EQ  | van Galenstraat 13 3274LV Heinenoord         | 0:00                    |                      |
| eR  | Engel de Raatpad 12 3274NC Heinenoord        | 1:36                    |                      |
| ER  | Mollekade 12 3274LP Heinenoord               | 0:00                    |                      |
| eS  | Engel de Raatpad 14 3274NC Heinenoord        | 1:28                    |                      |
| ES  | van Galenstraat 22 3274LV Heinenoord         | 0:00                    |                      |
| ET  | Doormanstraat 29 3274LK Heinenoord           | 0:00                    |                      |
| eT  | Jan van Vlietstraat 1 3274NE Heinenoord      | 2:53                    |                      |
| eU  | Jan van Vlietstraat 3 3274NE Heinenoord      | 2:54                    |                      |
| EU  | Doormanstraat 17 3274LK Heinenoord           | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| eV  | Jan van Vlietstraat 5 3274NE Heinenoord     | 2:56                                 |
| EV  | Doormanstraat 10 3274LK Heinenoord          | 0:00                                 |
| eW  | Jan van Vlietstraat 7 3274NE Heinenoord     | 2:58                                 |
| EW  | Doormanstraat 14 3274LK Heinenoord          | 0:00                                 |
| EX  | Trompstraat 18 3274LT Heinenoord            | 0:00                                 |
| eX  | Jan van Vlietstraat 9 3274NE Heinenoord     | 2:58                                 |
| EY  | van Galenstraat 8 3274LV Heinenoord         | 0:00                                 |
| eY  | Jan van Vlietstraat 19 3274NE Heinenoord    | 3:30                                 |
| eZ  | Jan van Vlietstraat 21 3274NE Heinenoord    | 3:39                                 |
| EZ  | de Ruyterstraat 5 3274LJ Heinenoord         | 0:00                                 |
| F   | Blaaksedijk West 55 3274LD Heinenoord       | 0:00                                 |
| •F  | Achterzeedijk 1 a 32 2991SB Barendrecht     | 0:53                                 |
| FA  | Trompstraat 26 3274LT Heinenoord            | 0:00                                 |
| fA  | Jan van Vlietstraat 23 3274NE Heinenoord    | 3:44                                 |
| FB  | van Galenstraat 24 3274LV Heinenoord        | 0:00                                 |
| fb  | Jan van Vlietstraat 25 3274NE Heinenoord    | 3:51                                 |
| FC  | van Galenstraat 3 3274LV Heinenoord         | 0:00                                 |
| fC  | Jan van Vlietstraat 27 3274NE Heinenoord    | 3:58                                 |
| fD  | Jan van Vlietstraat 29 3274NE Heinenoord    | 4:17                                 |
| FD  | Piet Heinstraat 6 3274LR Heinenoord         | 0:00                                 |
| FE  | Wouter van den Walestr 11 3274CR Heinenoord | 0:21                                 |
| FE  | de Ruyterstraat 13 3274LJ Heinenoord        | 0:00                                 |
| FF  | Mollekade 7 A 3274LN Heinenoord             | 0:00                                 |
| ff  | Wouter van den Walestr 13 3274CR Heinenoord | 0:21                                 |
| fG  | Wouter van den Walestr 15 3274CR Heinenoord | 0:21                                 |
| FG  | Blaaksedijk West 16 3274LE Heinenoord       | 0:00                                 |
| fH  | Wouter van den Walestr 17 3274CR Heinenoord | 0:21                                 |
| FH  | Oosteinde 5 3274KB Heinenoord               | 2:46                                 |
| fl  | Wouter van den Walestr 19 3274CR Heinenoord | 0:21                                 |
| FI  | Oosteinde 11 3274KB Heinenoord              | 1:31                                 |
| FJ  | Oosteinde 1 3274KB Heinenoord               | 1:21                                 |
| fJ  | Wouter van den Walestr 21 3274CR Heinenoord | 0:21                                 |
| FK  | Oosteinde 3 3274KB Heinenoord               | 2:41                                 |
| fK  | Wouter van den Walestr 23 3274CR Heinenoord | 0:21                                 |
| FL  | Oud-Heinenoordseweg 9 3274KD Heinenoord     | 2:25                                 |
| fL  | Wouter van den Walestr 25 3274CR Heinenoord | 0:21                                 |
| fM  | Wouter van den Walestr 27 3274CR Heinenoord | 0:21                                 |
| FM  | Oud-Heinenoordseweg 3 3274KD Heinenoord     | 1:37                                 |
| FN  | Oosteinde 13 3274KB Heinenoord              | 1:27                                 |
| fN  | Wouter van den Walestr 29 3274CR Heinenoord | 0:21                                 |
| fO  | Wouter van den Walestr 31 3274CR Heinenoord | 0:21                                 |
| FO  | Oosteinde 7 3274KB Heinenoord               | 2:45                                 |
| fP  | Wouter van den Walestr 33 3274CR Heinenoord | 0:21                                 |
| FP  | Oosteinde 27 3274KB Heinenoord              | 3:29                                 |
| fQ  | Wouter van den Walestr 35 3274CR Heinenoord | 0:21                                 |
| FQ  | Oud-Heinenoordseweg 8 3274KD Heinenoord     | 0:00                                 |
| FR  | Oosteinde 25 3274KB Heinenoord              | 3:11                                 |
| fr  | Wouter van den Walestr 37 3274CR Heinenoord | 0:22                                 |
| FS  | Oud-Heinenoordseweg 10 3274KD Heinenoord    | 0:00                                 |
| fS  | Wouter van den Walestr 39 3274CR Heinenoord | 0:21                                 |
| FT  | Wouter van den Walestr 41 3274CR Heinenoord | 0:22                                 |
| FT  | Oud-Heinenoordseweg 7 3274KD Heinenoord     | 2:33                                 |
| fU  | Wouter van den Walestr 43 3274CR Heinenoord | 0:21                                 |
| FU  | Oud-Heinenoordseweg 1 3274KD Heinenoord     | 1:27                                 |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord | 0:22                                 |
| FV  | Oosteinde 19 3274KB Heinenoord              | 2:12                                 |
| FW  | Wouter van den Walestr 47 3274CR Heinenoord | 0:21                                 |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord     | 1:54                                 |
| fX  | Dorpsstraat 8 3274BD Heinenoord             | 0:00                                 |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord    | 0:08                                 |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord    | 1:37                                 |
| fY  | Jan van Vlietstraat 11 3274NE Heinenoord    | 3:02                                 |
| FZ  | Oosteinde 17 3274KB Heinenoord              | 1:24                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | Shadow, expected values              |  |
|-----|--|--------------------------------------|--|
|     |  | Shadow hours<br>per year<br>[h/year] |  |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 3:01                                 |  |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 0:00                                 |  |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 0:50                                 |  |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 0:00                                 |  |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 3:04                                 |  |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 3:06                                 |  |
| GB  | Oosteinde 21 3274KB Heinenoord               | 2:37                                 |  |
| GC  | Oosteinde 9 3274KB Heinenoord                | 1:44                                 |  |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 3:05                                 |  |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 2:06                                 |  |
| gD  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 3:08                                 |  |
| GE  | Oosteinde 31 3274KB Heinenoord               | 3:41                                 |  |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 3:07                                 |  |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 3:09                                 |  |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 0:00                                 |  |
| GG  | Oosteinde 15 3274KB Heinenoord               | 1:18                                 |  |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 1:24                                 |  |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 1:24                                 |  |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 1:27                                 |  |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 1:23                                 |  |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 0:34                                 |  |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 1:48                                 |  |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 1:25                                 |  |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 0:00                                 |  |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 1:58                                 |  |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 0:22                                 |  |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 0:00                                 |  |
| GM  | Oosteinde 29 3274KB Heinenoord               | 3:20                                 |  |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 0:00                                 |  |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 1:12                                 |  |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 2:50                                 |  |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 0:21                                 |  |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 0:47                                 |  |
| gP  | Koedood 17 a 2993AL Barendrecht              | 0:00                                 |  |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 0:00                                 |  |
| gQ  | Koedood 17 2993AL Barendrecht                | 0:00                                 |  |
| GO  | Oosteinde 23 3274KB Heinenoord               | 2:57                                 |  |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 0:00                                 |  |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 1:13                                 |  |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 0:51                                 |  |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 1:10                                 |  |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 12:15                                |  |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 0:26                                 |  |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 0:00                                 |  |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 0:57                                 |  |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 1:47                                 |  |
| GV  | Avenhil 5 3274CT Heinenoord                  | 1:08                                 |  |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 2:22                                 |  |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 0:33                                 |  |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 0:00                                 |  |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 1:31                                 |  |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 0:00                                 |  |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 1:16                                 |  |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 3:33                                 |  |
| GZ  | Avenhil 37 3274CT Heinenoord                 | 1:54                                 |  |
| H   | Reedijk 1 3274KE Heinenoord                  | 0:00                                 |  |
| •H  | Achterzeedijk 1 a 34 2991SB Barendrecht      | 0:52                                 |  |
| hA  | Achterzeedijk 63 2992SB Barendrecht          | 1:11                                 |  |
| HA  | Hermannushof 14 3274CE Heinenoord            | 0:44                                 |  |
| hb  | Achterzeedijk 67 2992SB Barendrecht          | 1:16                                 |  |
| HB  | Marijkestraat 25 3274AJ Heinenoord           | 0:00                                 |  |
| hc  | Achterzeedijk 38 2992SC Barendrecht          | 1:43                                 |  |
| HC  | Kalesland 3 3274CH Heinenoord                | 0:39                                 |  |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                         | Name                      | Shadow, expected values              |
|-----------------------------|---------------------------|--------------------------------------|
|                             |                           | Shadow hours<br>per year<br>[h/year] |
| hD Achterzeedijk            | 47 2992SB Barendrecht     | 3:06                                 |
| HD Prof. Teldersstraat      | 35 3274MC Heinenoord      | 2:54                                 |
| hE Achterzeedijk            | 39 2992SB Barendrecht     | 2:13                                 |
| HE Marijkestraat            | 11 3274AJ Heinenoord      | 0:00                                 |
| hF Achterzeedijk            | 41 2992SB Barendrecht     | 2:33                                 |
| HF John F. Kennedystraat    | 38 3274CG Heinenoord      | 2:37                                 |
| hG Achterzeedijk            | 64 2992SC Barendrecht     | 1:16                                 |
| HG Oranjestraat             | 16 3274AK Heinenoord      | 0:00                                 |
| hH Achterzeedijk            | 71 2992SB Barendrecht     | 11:21                                |
| HH Boerengorzen             | 10 3274CV Heinenoord      | 2:08                                 |
| hI Achterzeedijk            | 59 2992SB Barendrecht     | 0:50                                 |
| HI Kalesland                | 78 3274CH Heinenoord      | 0:52                                 |
| HJ Margrietstraat           | 18 3274AH Heinenoord      | 0:00                                 |
| hJ Achterzeedijk            | 42 2992SC Barendrecht     | 2:57                                 |
| HK Martin Luther Kingstraat | 60 3274CL Heinenoord      | 0:53                                 |
| hK Achterzeedijk            | 49 2992SB Barendrecht     | 2:57                                 |
| hL Achterzeedijk            | 48 2992SC Barendrecht     | 1:19                                 |
| HL Talmahof                 | 7 3274CN Heinenoord       | 0:26                                 |
| hM Achterzeedijk            | 60 2992SC Barendrecht     | 1:50                                 |
| HM Kalesland                | 56 3274CH Heinenoord      | 0:51                                 |
| hN Achterzeedijk            | 58 2992SC Barendrecht     | 0:59                                 |
| HN Emmastraat               | 22 3274AC Heinenoord      | 0:00                                 |
| hO Achterzeedijk            | 61 2992SB Barendrecht     | 0:51                                 |
| HO John F. Kennedystraat    | 18 3274CG Heinenoord      | 1:51                                 |
| hP Achterzeedijk            | 40 2992SC Barendrecht     | 2:17                                 |
| HP Martin Luther Kingstraat | 32 3274CK Heinenoord      | 0:32                                 |
| HQ Dreeshof                 | 1 3274CC Heinenoord       | 0:39                                 |
| hQ Achterzeedijk            | 61 b 2992SB Barendrecht   | 0:58                                 |
| HR Buitenlanden             | 8 3274MB Heinenoord       | 4:11                                 |
| hR Achterzeedijk            | 56 2992SC Barendrecht     | 0:35                                 |
| HS Heyne van Althenastraat  | 14 3274CD Heinenoord      | 0:00                                 |
| hS Achterzeedijk            | 73 2992SB Barendrecht     | 11:47                                |
| HT Prof. Teldersstraat      | 11 3274CZ Heinenoord      | 2:20                                 |
| hT Achterzeedijk            | 50 2992SC Barendrecht     | 0:32                                 |
| hU Gorzenweg                | 10 3274LL Heinenoord      | 0:00                                 |
| HU Prof. Teldersstraat      | 16 3274MC Heinenoord      | 2:48                                 |
| HV John F. Kennedystraat    | 41 3274CG Heinenoord      | 0:39                                 |
| hV Gorzenweg                | 8 3274LL Heinenoord       | 0:00                                 |
| hW Mollekade                | 31 3274LN Heinenoord      | 0:00                                 |
| HW Rietwaard                | 17 3274MA Heinenoord      | 3:36                                 |
| hX Mollekade                | 32 3274LP Heinenoord      | 0:00                                 |
| HX Koomansland              | 26 3274CJ Heinenoord      | 0:22                                 |
| hY Boonsweg                 | 44 3274LH Heinenoord      | 11:55                                |
| HY Wouter van den Walestr   | 32 3274CR Heinenoord      | 0:00                                 |
| HZ Avenhil                  | 14 3274CT Heinenoord      | 1:15                                 |
| hZ Gorzenweg                | 6 A 3274LL Heinenoord     | 0:00                                 |
| I Reedijk                   | 1 A 3274KE Heinenoord     | 0:00                                 |
| •I Achterzeedijk            | 1 a 35 2991SB Barendrecht | 0:54                                 |
| IA Avenhil                  | 3 3274CT Heinenoord       | 1:09                                 |
| iA Zomerlandseweg           | 9 3274LX Heinenoord       | 0:00                                 |
| IB John F. Kennedystraat    | 40 3274CG Heinenoord      | 2:34                                 |
| IB Mollekade                | 29 3274LN Heinenoord      | 0:00                                 |
| IC Mollekade                | 28 3274LP Heinenoord      | 0:00                                 |
| IC Wouter van den Walestr   | 72 3274CS Heinenoord      | 0:00                                 |
| ID Dreeshof                 | 9 3274CC Heinenoord       | 0:40                                 |
| ID Mollekade                | 39 3274LN Heinenoord      | 0:00                                 |
| IE Thorbeckehof             | 1 3274CP Heinenoord       | 0:56                                 |
| iE Mollekade                | 41 3274LN Heinenoord      | 0:00                                 |
| IF Spuivelden               | 25 3274CM Heinenoord      | 0:50                                 |
| IF Mollekade                | 47 3274LN Heinenoord      | 0:00                                 |
| iG Mollekade                | 45 3274LN Heinenoord      | 0:00                                 |
| IG Wiardi Beckmanhof        | 8 3274CX Heinenoord       | 1:08                                 |
| IH Talmahof                 | 4 3274CN Heinenoord       | 0:33                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 0:00                    |                      |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 1:11                    |                      |
| iI  | Mollekade 43 3274LN Heinenoord                | 0:00                    |                      |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 1:47                    |                      |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 0:00                    |                      |
| IK  | De Laagjes 12 3274CB Heinenoord               | 0:28                    |                      |
| iK  | Mollekade 35 3274LN Heinenoord                | 0:00                    |                      |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 0:00                    |                      |
| IL  | Talmahof 11 3274CN Heinenoord                 | 0:26                    |                      |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 0:57                    |                      |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 0:39                    |                      |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 3:00                    |                      |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 0:00                    |                      |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 0:47                    |                      |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 0:00                    |                      |
| IP  | Koimansland 32 3274CJ Heinenoord              | 0:27                    |                      |
| iP  | Stekkant 40 2993DB Barendrecht                | 0:00                    |                      |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 2:25                    |                      |
| iQ  | Stekkant 33 2993DB Barendrecht                | 0:00                    |                      |
| IR  | Spieringwater 12 2993DM Barendrecht           | 0:00                    |                      |
| IR  | Kalesland 52 3274CH Heinenoord                | 0:48                    |                      |
| iS  | Koedood 6 a 2993AL Barendrecht                | 0:00                    |                      |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 0:34                    |                      |
| IT  | Avenhil 15 3274CT Heinenoord                  | 1:13                    |                      |
| iT  | Stekkant 107 2993DB Barendrecht               | 0:00                    |                      |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 0:00                    |                      |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 1:10                    |                      |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 0:00                    |                      |
| IV  | Kalesland 19 3274CH Heinenoord                | 0:46                    |                      |
| IW  | Stekkant 2 2993DB Barendrecht                 | 0:00                    |                      |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 0:00                    |                      |
| IX  | Müllerhaven 32 2993EA Barendrecht             | 0:00                    |                      |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 0:32                    |                      |
| IY  | Oranjestraat 11 B 3274AK Heinenoord           | 0:00                    |                      |
| iY  | Calandhaven 3 2993HL Barendrecht              | 0:00                    |                      |
| IZ  | Stekkant 87 2993DB Barendrecht                | 0:00                    |                      |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 0:50                    |                      |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 0:00                    |                      |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 0:56                    |                      |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 0:38                    |                      |
| jA  | Meeshaven 5 2993HN Barendrecht                | 0:00                    |                      |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 3:07                    |                      |
| jb  | Smithaven 4 2993EC Barendrecht                | 0:00                    |                      |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 0:00                    |                      |
| JC  | Emmastraat 11 3274AC Heinenoord               | 0:00                    |                      |
| JD  | Stekkant 13 2993DB Barendrecht                | 0:00                    |                      |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 1:09                    |                      |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 0:00                    |                      |
| JE  | Kröllerhaven 12 2993ED Barendrecht            | 0:00                    |                      |
| JF  | Avenhil 9 3274CT Heinenoord                   | 1:03                    |                      |
| jF  | Stekkant 51 2993DB Barendrecht                | 0:00                    |                      |
| JG  | De Laagjes 23 3274CB Heinenoord               | 0:34                    |                      |
| JG  | Zalmwater 143 2993DX Barendrecht              | 0:00                    |                      |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 0:00                    |                      |
| JH  | Van Hobokenhaven 43 2993HH Barendrecht        | 0:00                    |                      |
| ji  | Müllerhaven 70 2993EA Barendrecht             | 0:00                    |                      |
| Ji  | Rietwaard 20 3274MA Heinenoord                | 3:32                    |                      |
| Jj  | Stekkant 89 2993DB Barendrecht                | 0:00                    |                      |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 0:00                    |                      |
| JK  | Müllerhaven 36 2993EA Barendrecht             | 0:00                    |                      |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 2:46                    |                      |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 0:42                    |                      |
| JL  | Stekkant 73 2993DB Barendrecht                | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 0:22                                 |
| JM  | Aalwater 20 2993DD Barendrecht                | 0:00                                 |
| jN  | Stekkant 111 2993DB Barendrecht               | 0:00                                 |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 2:18                                 |
| JO  | Smithaven 6 2993EC Barendrecht                | 0:00                                 |
| JO  | Oosteinde 45 3274KB Heinenoord                | 1:18                                 |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 0:00                                 |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 0:00                                 |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 0:00                                 |
| JQ  | Smithaven 35 2993EC Barendrecht               | 0:00                                 |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 0:27                                 |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 0:00                                 |
| JS  | Stekkant 127 2993DB Barendrecht               | 0:00                                 |
| JS  | Kalesland 32 3274CH Heinenoord                | 0:40                                 |
| jT  | Van Hobokenhoven 61 2993HH Barendrecht        | 0:00                                 |
| JT  | Talmahof 2 3274CN Heinenoord                  | 0:33                                 |
| jU  | Smithaven 18 2993EC Barendrecht               | 0:00                                 |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 0:00                                 |
| jV  | Swarttouwhaven 52 2993HP Barendrecht          | 0:00                                 |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 3:20                                 |
| jW  | Kabbelkant 6 2993DC Barendrecht               | 0:00                                 |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 0:38                                 |
| jX  | Meeshaven 7 2993HN Barendrecht                | 0:00                                 |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 0:00                                 |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 0:41                                 |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 0:00                                 |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 0:00                                 |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 0:00                                 |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 0:00                                 |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 0:54                                 |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 0:00                                 |
| KA  | Talmahof 8 3274CN Heinenoord                  | 0:33                                 |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 0:00                                 |
| KB  | Irenestraat 28 3274AE Heinenoord              | 0:00                                 |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 0:36                                 |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 0:00                                 |
| KD  | Van Hobokenhoven 27 2993HH Barendrecht        | 0:00                                 |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 0:00                                 |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 0:39                                 |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 0:00                                 |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 0:00                                 |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 0:22                                 |
| KG  | Stekkant 147 2993DB Barendrecht               | 0:00                                 |
| KG  | Emmastraat 30 3274AC Heinenoord               | 0:00                                 |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 0:00                                 |
| KH  | Van Hobokenhoven 59 2993HH Barendrecht        | 0:00                                 |
| KI  | Aalwater 4 2993DD Barendrecht                 | 0:00                                 |
| KI  | Emmastraat 32 3274AC Heinenoord               | 0:00                                 |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 0:00                                 |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 0:00                                 |
| KK  | De Laagjes 21 3274CB Heinenoord               | 0:36                                 |
| KK  | Aalwater 19 2993DD Barendrecht                | 0:00                                 |
| KL  | Steurwater 13 2993DE Barendrecht              | 0:00                                 |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 3:45                                 |
| KM  | Irenestraat 3 3274AD Heinenoord               | 0:00                                 |
| KM  | Vederhaven 3 2993EB Barendrecht               | 0:00                                 |
| KN  | Van Hobokenhoven 39 2993HH Barendrecht        | 0:00                                 |
| KN  | Irenestraat 36 3274AE Heinenoord              | 0:00                                 |
| KO  | Emmastraat 20 3274AC Heinenoord               | 0:00                                 |
| KO  | Müllerhaven 8 2993EA Barendrecht              | 0:00                                 |
| KP  | Stekkant 129 2993DB Barendrecht               | 0:00                                 |
| KP  | Oosteinde 41 3274KB Heinenoord                | 1:28                                 |
| KQ  | Stekkant 149 2993DB Barendrecht               | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| KQ  | John F. Kennedystraat 35 3274CG Heinenoord     | 0:36                    |                      |
| KR  | Avenhil 30 3274CT Heinenoord                   | 1:57                    |                      |
| KR  | Smithaven 59 2993EC Barendrecht                | 0:00                    |                      |
| KS  | Ruyshaven 4 2993HM Barendrecht                 | 0:00                    |                      |
| KS  | John F. Kennedystraat 55 3274CG Heinenoord     | 0:53                    |                      |
| KT  | Martin Luther Kingstraat 34 3274CL Heinenoord  | 0:36                    |                      |
| KT  | Swarttouwhaven 10 2993HP Barendrecht           | 0:00                    |                      |
| KU  | Stekkant 109 2993DB Barendrecht                | 0:00                    |                      |
| KU  | Koimansland 6 3274CJ Heinenoord                | 0:23                    |                      |
| KV  | Boerengorzen 8 3274CV Heinenoord               | 2:05                    |                      |
| KV  | Müllerhaven 42 2993EA Barendrecht              | 0:00                    |                      |
| kW  | Müllerhaven 48 2993EA Barendrecht              | 0:00                    |                      |
| KW  | Margrietstraat 20 3274AH Heinenoord            | 0:00                    |                      |
| KX  | Dorpsstraat 1 A 3274BB Heinenoord              | 0:47                    |                      |
| KX  | Kröllerhaven 53 2993ED Barendrecht             | 0:00                    |                      |
| KY  | Stekkant 57 2993DB Barendrecht                 | 0:00                    |                      |
| KY  | John F. Kennedystraat 5 3274CG Heinenoord      | 0:22                    |                      |
| KZ  | Kalesland 72 3274CH Heinenoord                 | 0:56                    |                      |
| KZ  | Kröllerhaven 23 2993ED Barendrecht             | 0:00                    |                      |
| L   | Reedijk 2 3274KE Heinenoord                    | 0:00                    |                      |
| •L  | Achterzeedijk 1 a 38 2991SB Barendrecht        | 0:58                    |                      |
| LA  | John F. Kennedystraat 67 3274CG Heinenoord     | 1:40                    |                      |
| IA  | Ruyshaven 8 2993HM Barendrecht                 | 0:00                    |                      |
| LB  | Wouter van den Walestraat 28 3274CR Heinenoord | 0:00                    |                      |
| IB  | Swarttouwhaven 44 2993HP Barendrecht           | 0:00                    |                      |
| IC  | Müllerhaven 56 2993EA Barendrecht              | 0:00                    |                      |
| LC  | Dreeshof 11 3274CC Heinenoord                  | 0:38                    |                      |
| LD  | John F. Kennedystraat 22 3274CG Heinenoord     | 1:55                    |                      |
| ID  | Stekkant 22 2993DB Barendrecht                 | 0:00                    |                      |
| LE  | Kalesland 18 3274CH Heinenoord                 | 0:35                    |                      |
| IE  | Meeshaven 2 2993HN Barendrecht                 | 0:00                    |                      |
| IF  | Aalwater 14 2993DD Barendrecht                 | 0:00                    |                      |
| LF  | Koimansland 18 3274CJ Heinenoord               | 0:00                    |                      |
| IG  | Stekkant 55 2993DB Barendrecht                 | 0:00                    |                      |
| LG  | Boerengorzen 4 3274CV Heinenoord               | 2:05                    |                      |
| LH  | Julianastraat 40 3274AG Heinenoord             | 0:00                    |                      |
| IH  | Stekkant 77 2993DB Barendrecht                 | 0:00                    |                      |
| II  | Stekkant 115 2993DB Barendrecht                | 0:00                    |                      |
| LI  | John F. Kennedystraat 13 3274CG Heinenoord     | 0:23                    |                      |
| IJ  | Kröllerhaven 37 2993ED Barendrecht             | 0:00                    |                      |
| LJ  | Rietwaard 24 3274MA Heinenoord                 | 4:09                    |                      |
| IK  | Kröllerhaven 39 2993ED Barendrecht             | 0:00                    |                      |
| LK  | Heyne van Althenastraat 30 3274CD Heinenoord   | 0:38                    |                      |
| LL  | Kalesland 7 3274CH Heinenoord                  | 0:38                    |                      |
| IL  | Swarttouwhaven 30 2993HP Barendrecht           | 0:00                    |                      |
| LM  | Julianastraat 46 3274AG Heinenoord             | 0:00                    |                      |
| IM  | Stekkant 19 2993DB Barendrecht                 | 0:00                    |                      |
| LN  | Marijkestraat 1 B 3274AJ Heinenoord            | 0:00                    |                      |
| IN  | Stekkant 12 2993DB Barendrecht                 | 0:00                    |                      |
| IO  | Müllerhaven 24 2993EA Barendrecht              | 0:00                    |                      |
| LO  | Irenestraat 10 3274AE Heinenoord               | 0:00                    |                      |
| IP  | Spieringwater 8 2993DM Barendrecht             | 0:00                    |                      |
| LP  | Wiardi Beckmanhof 7 3274CX Heinenoord          | 1:11                    |                      |
| IQ  | Kröllerhaven 51 2993ED Barendrecht             | 0:00                    |                      |
| LQ  | Spuivelden 8 3274CM Heinenoord                 | 0:50                    |                      |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord       | 2:53                    |                      |
| IR  | Kabbelkant 2 2993DC Barendrecht                | 0:00                    |                      |
| IS  | Stekkant 10 2993DB Barendrecht                 | 0:00                    |                      |
| LS  | Beatrixstraat 34 3274AA Heinenoord             | 0:00                    |                      |
| LT  | Marijkestraat 2 3274AJ Heinenoord              | 0:00                    |                      |
| IT  | Swarttouwhaven 20 2993HP Barendrecht           | 0:00                    |                      |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord  | 0:24                    |                      |
| IU  | Kabbelkant 8 2993DC Barendrecht                | 0:00                    |                      |

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Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 13:56/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| IV  | Koedood 8 2993AL Barendrecht                | 0:00                                 |
| LV  | Rietwaard 5 3274MA Heinenoord               | 3:03                                 |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord | 0:24                                 |
| IW  | Kröllerhaven 41 2993ED Barendrecht          | 0:00                                 |
| LX  | Rietwaard 6 3274MA Heinenoord               | 2:43                                 |
| IX  | Stekkant 63 2993DB Barendrecht              | 0:00                                 |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord  | 2:27                                 |
| IY  | Stekkant 101 2993DB Barendrecht             | 0:00                                 |
| LZ  | Avenhil 36 3274CT Heinenoord                | 1:53                                 |
| IZ  | Stekkant 1 2993DB Barendrecht               | 0:00                                 |
| M   | Reedijk 3 3274KE Heinenoord                 | 0:00                                 |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht     | 1:01                                 |
| MA  | Irenestraat 26 3274AE Heinenoord            | 0:00                                 |
| mA  | Müllerhaven 58 2993EA Barendrecht           | 0:00                                 |
| mB  | Stekkant 15 2993DB Barendrecht              | 0:00                                 |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord     | 2:25                                 |
| mC  | Müllerhaven 12 2993EA Barendrecht           | 0:00                                 |
| MC  | Oranjestraat 26 3274AK Heinenoord           | 0:00                                 |
| mD  | Stekkant 133 2993DB Barendrecht             | 0:00                                 |
| MD  | Avenhil 23 3274CT Heinenoord                | 1:44                                 |
| mE  | Aalwater 13 2993DD Barendrecht              | 0:00                                 |
| ME  | Dorpsstraat 1 3274BB Heinenoord             | 0:30                                 |
| mF  | Swarttouwhaven 24 2993HP Barendrecht        | 0:00                                 |
| MF  | Kalesland 58 3274CH Heinenoord              | 0:54                                 |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord | 0:00                                 |
| mG  | Stekkant 37 2993DB Barendrecht              | 0:00                                 |
| mh  | Kabbelkant 4 2993DC Barendrecht             | 0:00                                 |
| MH  | Irenestraat 48 3274AE Heinenoord            | 0:00                                 |
| MI  | Avenhil 13 3274CT Heinenoord                | 1:17                                 |
| mI  | Steurwater 5 2993DE Barendrecht             | 0:00                                 |
| mJ  | Vederhaven 11 2993EB Barendrecht            | 0:00                                 |
| MJ  | Kalesland 1 3274CH Heinenoord               | 0:39                                 |
| mK  | Swarttouwhaven 48 2993HP Barendrecht        | 0:00                                 |
| MK  | Koomansland 5 3274CJ Heinenoord             | 0:28                                 |
| ML  | Margrietstraat 9 3274AH Heinenoord          | 0:00                                 |
| ml  | Stekkant 153 2993DB Barendrecht             | 0:00                                 |
| MM  | Emmastraat 16 3274AC Heinenoord             | 0:00                                 |
| mm  | Stekkant 24 2993DB Barendrecht              | 0:00                                 |
| MN  | Irenestraat 1 3274AD Heinenoord             | 0:00                                 |
| mN  | Stekkant 16 2993DB Barendrecht              | 0:00                                 |
| mO  | Stekkant 14 2993DB Barendrecht              | 0:00                                 |
| MO  | Avenhil 10 3274CT Heinenoord                | 1:03                                 |
| MP  | Spuivelden 15 3274CM Heinenoord             | 0:49                                 |
| mP  | Smithaven 2 2993EC Barendrecht              | 0:00                                 |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord      | 1:33                                 |
| mQ  | Aalwater 8 2993DD Barendrecht               | 0:00                                 |
| MR  | Talmahof 9 3274CN Heinenoord                | 0:25                                 |
| mR  | Stekkant 53 2993DB Barendrecht              | 0:00                                 |
| mS  | Smithaven 43 2993EC Barendrecht             | 0:00                                 |
| MS  | Beatrixstraat 48 3274AA Heinenoord          | 0:00                                 |
| mT  | Müllerhaven 72 2993EA Barendrecht           | 0:00                                 |
| MT  | De Laagjes 26 3274CB Heinenoord             | 0:37                                 |
| MU  | Bernhardstraat 6 3274AB Heinenoord          | 0:00                                 |
| mU  | Smithaven 14 2993EC Barendrecht             | 0:00                                 |
| MV  | Wiardi Beckmanhof 11 3274CX Heinenoord      | 1:14                                 |
| mV  | Van Hobokenhaven 45 2993HH Barendrecht      | 0:00                                 |
| mW  | Stekkant 48 2993DB Barendrecht              | 0:00                                 |
| MW  | Julianalaan 42 3274AG Heinenoord            | 0:00                                 |
| MX  | De Laagjes 22 3274CB Heinenoord             | 0:34                                 |
| mX  | Stekkant 75 2993DB Barendrecht              | 0:00                                 |
| mY  | Stekkant 91 2993DB Barendrecht              | 0:00                                 |
| MY  | Koomansland 13 3274CJ Heinenoord            | 0:30                                 |
| mZ  | Aalwater 18 2993DD Barendrecht              | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                            | Name                 | Shadow, expected values |                      |
|--------------------------------|----------------------|-------------------------|----------------------|
|                                |                      | Shadow hours            | per year<br>[h/year] |
| MZ Kalesland 46                | 3274CH Heinenoord    | 0:46                    |                      |
| N Blaaksedijk West             | 31 3274LD Heinenoord | 0:00                    |                      |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht   | 1:04                    |                      |
| NA Spuivelden 9                | 3274CM Heinenoord    | 0:41                    |                      |
| nA Aalwater 16                 | 2993DD Barendrecht   | 0:00                    |                      |
| nB Steekkant 17                | 2993DB Barendrecht   | 0:00                    |                      |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord    | 0:38                    |                      |
| NC Irenestraat 20              | 3274AE Heinenoord    | 0:00                    |                      |
| nC Zalmwater 155               | 2993DX Barendrecht   | 0:00                    |                      |
| ND Oranjestraat 31             | 3274AK Heinenoord    | 0:00                    |                      |
| nD Müllerhaven 60              | 2993EA Barendrecht   | 0:00                    |                      |
| nE Swarttouwhaven 18           | 2993HP Barendrecht   | 0:00                    |                      |
| NE Kalesland 28                | 3274CH Heinenoord    | 0:40                    |                      |
| nF Zalmwater 151               | 2993DX Barendrecht   | 0:00                    |                      |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord    | 0:47                    |                      |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord    | 3:11                    |                      |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht   | 0:00                    |                      |
| nH Smithaven 33                | 2993EC Barendrecht   | 0:00                    |                      |
| NH Dorpsstraat 7               | 3274BB Heinenoord    | 0:00                    |                      |
| nI Müllerhaven 4               | 2993EA Barendrecht   | 0:00                    |                      |
| NI Kalesland 64                | 3274CH Heinenoord    | 0:53                    |                      |
| nJ Smithaven 39                | 2993EC Barendrecht   | 0:00                    |                      |
| NJ Andries Woutershof 8        | 3274CA Heinenoord    | 0:30                    |                      |
| NK Beatrixstraat 23            | 3274AA Heinenoord    | 0:00                    |                      |
| nK Müllerhaven 10              | 2993EA Barendrecht   | 0:00                    |                      |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord    | 2:24                    |                      |
| nL Steekkant 131               | 2993DB Barendrecht   | 0:00                    |                      |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht   | 0:00                    |                      |
| NM Oosteinde 24                | 3274KC Heinenoord    | 1:43                    |                      |
| nN Steekkant 23                | 2993DB Barendrecht   | 0:00                    |                      |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord    | 2:23                    |                      |
| NO Kooimansland 1              | 3274CJ Heinenoord    | 0:28                    |                      |
| nO Steekkant 50                | 2993DB Barendrecht   | 0:00                    |                      |
| NP Buitenlanden 21             | 3274MB Heinenoord    | 3:29                    |                      |
| nP Steekkant 20                | 2993DB Barendrecht   | 0:00                    |                      |
| nQ Müllerhaven 64              | 2993EA Barendrecht   | 0:00                    |                      |
| NO Marijkestraat 9             | 3274AJ Heinenoord    | 0:00                    |                      |
| nR Kröllerhaven 15             | 2993ED Barendrecht   | 0:00                    |                      |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord    | 2:22                    |                      |
| nS Steekkant 79                | 2993DB Barendrecht   | 0:00                    |                      |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord    | 2:36                    |                      |
| NT Kalesland 6                 | 3274CH Heinenoord    | 0:32                    |                      |
| nT Steekkant 35                | 2993DB Barendrecht   | 0:00                    |                      |
| nU Kröllerhaven 33             | 2993ED Barendrecht   | 0:00                    |                      |
| NU Kooimansland 2              | 3274CJ Heinenoord    | 0:23                    |                      |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord    | 1:58                    |                      |
| nV Swarttouwhaven 38           | 2993HP Barendrecht   | 0:00                    |                      |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord    | 0:28                    |                      |
| nW Kabbelkant 16               | 2993DC Barendrecht   | 0:00                    |                      |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht   | 0:00                    |                      |
| NX Oosteinde 16                | 3274KC Heinenoord    | 3:04                    |                      |
| NY Irenestraat 19              | 3274AD Heinenoord    | 0:00                    |                      |
| nY Meeshaven 18                | 2993HN Barendrecht   | 0:00                    |                      |
| NZ Bernhardstraat 4            | 3274AB Heinenoord    | 0:00                    |                      |
| nZ Ruyshaven 7                 | 2993HM Barendrecht   | 0:00                    |                      |
| O Blaaksedijk West 32          | 3274LE Heinenoord    | 0:00                    |                      |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht   | 1:05                    |                      |
| OA Boerengorzen 2              | 3274CV Heinenoord    | 2:07                    |                      |
| oA Müllerhaven 62              | 2993EA Barendrecht   | 0:00                    |                      |
| oB Smithaven 27                | 2993EC Barendrecht   | 0:00                    |                      |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord    | 0:19                    |                      |
| oC Aalwater 21                 | 2993DD Barendrecht   | 0:00                    |                      |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord    | 2:37                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| oD  | Swarttouwhaven 56 2993HP Barendrecht          | 0:00                                 |
| OD  | Irenestraat 44 3274AE Heinenoord              | 0:00                                 |
| OE  | Kalesland 22 3274CH Heinenoord                | 0:35                                 |
| oE  | Van Hobokenhaven 21 2993HH Barendrecht        | 0:00                                 |
| OF  | Marijkestraat 4 3274AJ Heinenoord             | 0:00                                 |
| oF  | Kröllerhaven 27 2993ED Barendrecht            | 0:00                                 |
| OG  | Wiardi Beckmanhof 1 3274CX Heinenoord         | 1:10                                 |
| oG  | Kröllerhaven 19 2993ED Barendrecht            | 0:00                                 |
| OH  | Emmastraat 2 F 3274AC Heinenoord              | 0:00                                 |
| oH  | Ruyshaven 2 2993HM Barendrecht                | 0:00                                 |
| OI  | Koomansland 22 3274CJ Heinenoord              | 0:20                                 |
| ol  | Koedood 2 b 2993AL Barendrecht                | 0:00                                 |
| OJ  | Prof. Teldersstraat 26 3274MC Heinenoord      | 3:03                                 |
| oj  | Swarttouwhaven 60 2993HP Barendrecht          | 0:00                                 |
| OK  | Avenhil 12 3274CT Heinenoord                  | 1:07                                 |
| oK  | Müllerhaven 28 2993EA Barendrecht             | 0:00                                 |
| ol  | Spieringwater 14 2993DM Barendrecht           | 0:00                                 |
| OL  | Martin Luther Kingstraat 46 3274CL Heinenoord | 0:41                                 |
| oM  | Aalwater 7 2993DD Barendrecht                 | 0:00                                 |
| OM  | Heyne van Althenastraat 10 3274CD Heinenoord  | 0:24                                 |
| oN  | Stekkant 34 2993DB Barendrecht                | 0:00                                 |
| ON  | Rietwaard 10 3274MA Heinenoord                | 2:46                                 |
| oO  | Stekkant 61 2993DB Barendrecht                | 0:00                                 |
| OO  | Martin Luther Kingstraat 62 3274CL Heinenoord | 0:54                                 |
| OP  | Avenhil 40 3274CT Heinenoord                  | 1:24                                 |
| oP  | Stekkant 167 2993DB Barendrecht               | 0:00                                 |
| OQ  | Emmastraat 28 3274AC Heinenoord               | 0:00                                 |
| oQ  | Van Hobokenhaven 57 2993HH Barendrecht        | 0:00                                 |
| oR  | Stekkant 159 2993DB Barendrecht               | 0:00                                 |
| OR  | Avenhil 16 3274CT Heinenoord                  | 1:12                                 |
| OS  | Irenestraat 46 3274AE Heinenoord              | 0:00                                 |
| oS  | Kröllerhaven 21 2993ED Barendrecht            | 0:00                                 |
| oT  | Ruyshaven 6 2993HM Barendrecht                | 0:00                                 |
| OT  | Kalesland 5 3274CH Heinenoord                 | 0:40                                 |
| OU  | Oranjestraat 29 3274AK Heinenoord             | 0:00                                 |
| oU  | Koedood 18 2993AL Barendrecht                 | 0:00                                 |
| OV  | Prof. Teldersstraat 49 3274MC Heinenoord      | 3:11                                 |
| oV  | Van Hobokenhaven 67 2993HH Barendrecht        | 0:00                                 |
| oW  | Swarttouwhaven 54 2993HP Barendrecht          | 0:00                                 |
| OW  | Irenestraat 16 3274AE Heinenoord              | 0:00                                 |
| oX  | Kabbelkant 10 2993DC Barendrecht              | 0:00                                 |
| OX  | De Laagjes 16 3274CB Heinenoord               | 0:32                                 |
| oY  | Smithaven 8 2993EC Barendrecht                | 0:00                                 |
| OY  | Wouter van den Walestr 52 3274CS Heinenoord   | 0:00                                 |
| oZ  | Müllerhaven 26 2993EA Barendrecht             | 0:00                                 |
| OZ  | Martin Luther Kingstraat 24 3274CK Heinenoord | 0:28                                 |
| P   | Blaaksedijk West 33 3274LD Heinenoord         | 0:00                                 |
| •P  | Achterzeedijk 1 a 42 2991SB Barendrecht       | 1:05                                 |
| PA  | Wouter van den Walestr 76 3274CS Heinenoord   | 0:00                                 |
| pA  | Stekkant 163 2993DB Barendrecht               | 0:00                                 |
| pB  | Stekkant 93 2993DB Barendrecht                | 0:00                                 |
| PB  | Avenhil 20 3274CT Heinenoord                  | 1:43                                 |
| PC  | Martin Luther Kingstraat 10 3274CK Heinenoord | 0:22                                 |
| pC  | Van Hobokenhaven 23 2993HH Barendrecht        | 0:00                                 |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 0:00                                 |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 0:00                                 |
| pE  | Stekkant 32 2993DB Barendrecht                | 0:00                                 |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 3:16                                 |
| pF  | Stekkant 99 2993DB Barendrecht                | 0:00                                 |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 2:22                                 |
| pG  | Smithaven 10 2993EC Barendrecht               | 0:00                                 |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 1:15                                 |
| pH  | Aalwater 1 2993DD Barendrecht                 | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
|     | PH Rietwaard 2 3274MA Heinenoord                 | 2:41                    |                      |
|     | PI Abraham Kuyperhof 3 3274CW Heinenoord         | 1:49                    |                      |
|     | pI Steekkant 161 2993DB Barendrecht              | 0:00                    |                      |
|     | pJ Kröllerhaven 2 2993ED Barendrecht             | 0:00                    |                      |
|     | PJ Irenestraat 7 3274AD Heinenoord               | 0:00                    |                      |
|     | pK Smithaven 21 2993EC Barendrecht               | 0:00                    |                      |
|     | PK Prof. Teldersstraat 6 3274MC Heinenoord       | 2:50                    |                      |
|     | PL Kalesland 10 3274CH Heinenoord                | 0:32                    |                      |
|     | pL Müllerhaven 18 2993EA Barendrecht             | 0:00                    |                      |
|     | PM Avenhil 6 3274CT Heinenoord                   | 1:04                    |                      |
|     | pM Steekkant 139 2993DB Barendrecht              | 0:00                    |                      |
|     | pN Zalmwater 139 2993DX Barendrecht              | 0:00                    |                      |
|     | PN John F. Kennedystraat 28 3274CG Heinenoord    | 2:25                    |                      |
|     | pO Kröllerhaven 47 2993ED Barendrecht            | 0:00                    |                      |
|     | PO Kalesland 26 3274CH Heinenoord                | 0:39                    |                      |
|     | pP Steekkant 9 2993DB Barendrecht                | 0:00                    |                      |
|     | PP Prof. Teldersstraat 10 3274MC Heinenoord      | 2:47                    |                      |
|     | PQ De Laagjes 7 3274CB Heinenoord                | 0:29                    |                      |
|     | pQ Aalwater 9 2993DD Barendrecht                 | 0:00                    |                      |
|     | PR Hermannushof 10 3274CE Heinenoord             | 0:41                    |                      |
|     | pR Steekkant 95 2993DB Barendrecht               | 0:00                    |                      |
|     | pS Swarttouwhaven 12 2993HP Barendrecht          | 0:00                    |                      |
|     | PS Andries Woutershof 18 3274CA Heinenoord       | 0:33                    |                      |
|     | pT Smithaven 25 2993EC Barendrecht               | 0:00                    |                      |
|     | PT Wouter van den Walestr 30 3274CR Heinenoord   | 0:00                    |                      |
|     | PU Heyne van Althenastraat 40 3274CD Heinenoord  | 0:50                    |                      |
|     | pU Swarttouwhaven 16 2993HP Barendrecht          | 0:00                    |                      |
|     | pV Smithaven 23 2993EC Barendrecht               | 0:00                    |                      |
|     | PV Irenestraat 12 3274AE Heinenoord              | 0:00                    |                      |
|     | pW Steekkant 28 2993DB Barendrecht               | 0:00                    |                      |
|     | PW Martin Luther Kingstraat 70 3274CL Heinenoord | 1:00                    |                      |
|     | pX Müllerhaven 74 2993EA Barendrecht             | 0:00                    |                      |
|     | PX John F. Kennedystraat 21 3274CG Heinenoord    | 0:24                    |                      |
|     | pY Steekkant 5 2993DB Barendrecht                | 0:00                    |                      |
|     | PY Prof. Teldersstraat 20 3274MC Heinenoord      | 2:45                    |                      |
|     | PZ Beatrixstraat 52 3274AA Heinenoord            | 0:00                    |                      |
|     | pZ Van Hobokenhaven 49 2993HH Barendrecht        | 0:00                    |                      |
|     | Q Blaaksedijk West 47 3274LD Heinenoord          | 0:00                    |                      |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht          | 1:05                    |                      |
| qA  | Müllerhaven 80 2993EA Barendrecht                | 0:00                    |                      |
| QA  | Oosteinde 6 3274KC Heinenoord                    | 4:33                    |                      |
| QB  | Koimansland 12 3274CJ Heinenoord                 | 0:21                    |                      |
| qb  | Steekkant 6 2993DB Barendrecht                   | 0:00                    |                      |
| QC  | Beatrixstraat 36 3274AA Heinenoord               | 0:00                    |                      |
| qc  | Steekkant 25 2993DB Barendrecht                  | 0:00                    |                      |
| QD  | Avenhil 11 3274CT Heinenoord                     | 1:03                    |                      |
| qd  | Smithaven 51 2993EC Barendrecht                  | 0:00                    |                      |
| QE  | De Laagjes 17 3274CB Heinenoord                  | 0:35                    |                      |
| qe  | Müllerhaven 22 2993EA Barendrecht                | 0:00                    |                      |
| qF  | Steekkant 143 2993DB Barendrecht                 | 0:00                    |                      |
| qG  | Marijkestraat 7 3274AJ Heinenoord                | 0:00                    |                      |
| qG  | Swarttouwhaven 14 2993HP Barendrecht             | 0:00                    |                      |
| QG  | Avenhil 34 3274CT Heinenoord                     | 1:47                    |                      |
| qH  | Steekkant 7 2993DB Barendrecht                   | 0:00                    |                      |
| QH  | Koimansland 14 3274CJ Heinenoord                 | 0:21                    |                      |
| QI  | Irenestraat 13 3274AD Heinenoord                 | 0:00                    |                      |
| qi  | Steekkant 45 2993DB Barendrecht                  | 0:00                    |                      |
| QJ  | Martin Luther Kingstraat 68 3274CL Heinenoord    | 1:00                    |                      |
| qJ  | Koedood 25 2993AL Barendrecht                    | 0:00                    |                      |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord         | 2:21                    |                      |
| qK  | Steekkant 47 2993DB Barendrecht                  | 0:00                    |                      |
| QL  | Andries Woutershof 24 3274CA Heinenoord          | 0:34                    |                      |
| qL  | Aalwater 10 2993DD Barendrecht                   | 0:00                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 13:56/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht       | 0:00                                 |
| QM  | De Laagjes 19 3274CB Heinenoord              | 0:34                                 |
| QN  | Kalesland 38 3274CH Heinenoord               | 0:42                                 |
| qn  | Müllerhaven 46 2993EA Barendrecht            | 0:00                                 |
| qO  | Müllerhaven 68 2993EA Barendrecht            | 0:00                                 |
| QO  | Marijkestraat 21 3274AJ Heinenoord           | 0:00                                 |
| qP  | Steurwater 1 2993DE Barendrecht              | 0:00                                 |
| QP  | De Laagjes 4 3274CB Heinenoord               | 0:25                                 |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord   | 0:24                                 |
| qQ  | Koedood 6 2993AL Barendrecht                 | 0:00                                 |
| qR  | Zalmwater 157 2993DX Barendrecht             | 0:00                                 |
| QR  | Bernhardstraat 3 3274AB Heinenoord           | 0:00                                 |
| qS  | Spieringwater 4 2993DM Barendrecht           | 0:00                                 |
| QS  | Oosteinde 37 3274KB Heinenoord               | 1:44                                 |
| QT  | De Laagjes 28 3274CB Heinenoord              | 0:38                                 |
| qT  | Spieringwater 10 2993DM Barendrecht          | 0:00                                 |
| QU  | Thorbeckehof 3 3274CP Heinenoord             | 0:56                                 |
| qU  | Spieringwater 2 2993DM Barendrecht           | 0:00                                 |
| qV  | Stekkant 54 2993DB Barendrecht               | 0:00                                 |
| QV  | De Laagjes 20 3274CB Heinenoord              | 0:33                                 |
| QW  | Buitenlanden 4 3274MB Heinenoord             | 4:14                                 |
| qW  | Swarttouwhaven 62 2993HP Barendrecht         | 0:00                                 |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord       | 1:33                                 |
| qX  | Steurwater 11 2993DE Barendrecht             | 0:00                                 |
| QY  | Emmastraat 2 E 3274AC Heinenoord             | 0:00                                 |
| qY  | Swarttouwhaven 36 2993HP Barendrecht         | 0:00                                 |
| qZ  | Kabbelkant 14 2993DC Barendrecht             | 0:00                                 |
| QZ  | Koomansland 8 3274CJ Heinenoord              | 0:23                                 |
| R   | Blaaksedijk West 24 3274LE Heinenoord        | 0:00                                 |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht      | 1:07                                 |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord   | 0:34                                 |
| rA  | Stekkant 41 2993DB Barendrecht               | 0:00                                 |
| rB  | Stekkant 81 2993DB Barendrecht               | 0:00                                 |
| RB  | Boerengorzen 3 3274CV Heinenoord             | 2:23                                 |
| RC  | Kalesland 70 3274CH Heinenoord               | 0:57                                 |
| rC  | Koedood 14 2993AL Barendrecht                | 0:00                                 |
| rD  | Müllerhaven 40 2993EA Barendrecht            | 0:00                                 |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord       | 2:04                                 |
| rE  | Aalwater 11 2993DD Barendrecht               | 0:00                                 |
| RE  | Avenhil 28 3274CT Heinenoord                 | 1:53                                 |
| rF  | Smithaven 37 2993EC Barendrecht              | 0:00                                 |
| RF  | Oosteinde 22 3274KC Heinenoord               | 1:51                                 |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht       | 0:00                                 |
| RG  | Andries Woutershof 16 3274CA Heinenoord      | 0:32                                 |
| rH  | Aalwater 15 2993DD Barendrecht               | 0:00                                 |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord     | 3:15                                 |
| rI  | Stekkant 85 2993DB Barendrecht               | 0:00                                 |
| RI  | Emmastraat 34 3274AC Heinenoord              | 0:00                                 |
| rJ  | Zalmwater 141 2993DX Barendrecht             | 0:00                                 |
| RJ  | Oranjestraat 23 3274AK Heinenoord            | 0:00                                 |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord   | 3:13                                 |
| rK  | Smithaven 12 2993EC Barendrecht              | 0:00                                 |
| rL  | Stekkant 44 2993DB Barendrecht               | 0:00                                 |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord | 0:00                                 |
| RM  | Oranjestraat 17 3274AK Heinenoord            | 0:00                                 |
| rM  | Stekkant 4 2993DB Barendrecht                | 0:00                                 |
| RN  | Buitenlanden 13 3274MB Heinenoord            | 3:33                                 |
| rN  | Van Hobokenhaven 37 2993HH Barendrecht       | 0:00                                 |
| RO  | Bernhardstraat 2 3274AB Heinenoord           | 0:00                                 |
| rO  | Van Hobokenhaven 19 2993HH Barendrecht       | 0:00                                 |
| RP  | Buitenlanden 17 3274MB Heinenoord            | 3:33                                 |
| rP  | Calandhaven 1 2993HL Barendrecht             | 0:00                                 |
| rQ  | Koedood 22 2993AL Barendrecht                | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
|     | RQ Marijkestraat 1 C 3274AJ Heinenoord        | 0:00                                 |
|     | RR Irenestraat 40 3274AE Heinenoord           | 0:00                                 |
| rR  | Aalwater 2 2993DD Barendrecht                 | 0:00                                 |
| rS  | Steekkant 103 2993DB Barendrecht              | 0:00                                 |
| RS  | Bernhardstraat 16 3274AB Heinenoord           | 0:00                                 |
| RT  | Buitelanden 12 3274MB Heinenoord              | 4:00                                 |
| rT  | Aalwater 5 2993DD Barendrecht                 | 0:00                                 |
| rU  | Kröllerhaven 31 2993ED Barendrecht            | 0:00                                 |
| RU  | Wouter van den Walestr 26 3274CR Heinenoord   | 0:00                                 |
| rV  | Smithaven 53 2993EC Barendrecht               | 0:00                                 |
| RV  | Boerengorzen 9 3274CV Heinenoord              | 2:21                                 |
| rW  | Müllerhaven 30 2993EA Barendrecht             | 0:00                                 |
| RW  | Emmastraat 3 3274AC Heinenoord                | 0:00                                 |
| rX  | Swarttouwhaven 58 2993HP Barendrecht          | 0:00                                 |
| RX  | De Laagjes 2 3274CB Heinenoord                | 0:24                                 |
| rY  | Vederhaven 15 2993EB Barendrecht              | 0:00                                 |
| RY  | Kooimansland 28 3274CJ Heinenoord             | 0:23                                 |
| rZ  | Smithaven 57 2993EC Barendrecht               | 0:00                                 |
| RZ  | Prof. Teldersstraat 31 3274MC Heinenoord      | 2:55                                 |
| S   | Reedijk 3 A 3274KE Heinenoord                 | 0:00                                 |
| •S  | Achterzeedijk 1 a 45 2991SB Barendrecht       | 1:11                                 |
| sA  | Swarttouwhaven 26 2993HP Barendrecht          | 0:00                                 |
| SA  | Wouter van den Walestr 18 3274CR Heinenoord   | 0:00                                 |
| SB  | Oranjestraat 15 3274AK Heinenoord             | 0:00                                 |
| sB  | Smithaven 29 2993EC Barendrecht               | 0:00                                 |
| SC  | Heyne van Althenastraat 26 3274CD Heinenoord  | 0:30                                 |
| sC  | Steekkant 145 2993DB Barendrecht              | 0:00                                 |
| SD  | Martin Luther Kingstraat 48 3274CL Heinenoord | 0:42                                 |
| sD  | Aalwater 3 2993DD Barendrecht                 | 0:00                                 |
| SE  | Willem de Zwijgerstraat 8 3274AL Heinenoord   | 0:00                                 |
| sE  | Zalmwater 153 2993DX Barendrecht              | 0:00                                 |
| SF  | John F. Kennedystraat 36 3274CG Heinenoord    | 2:38                                 |
| sF  | Vederhaven 17 2993EB Barendrecht              | 0:00                                 |
| SG  | Wouter van den Walestr 44 3274CS Heinenoord   | 0:00                                 |
| sG  | Swarttouwhaven 34 2993HP Barendrecht          | 0:00                                 |
| SH  | Wiardi Beckmanhof 12 3274CX Heinenoord        | 1:14                                 |
| sH  | Müllerhaven 76 2993EA Barendrecht             | 0:00                                 |
| SI  | Margrietstraat 14 3274AH Heinenoord           | 0:00                                 |
| sI  | Meeshaven 14 2993HN Barendrecht               | 0:00                                 |
| sJ  | Smithaven 20 2993EC Barendrecht               | 0:00                                 |
| SJ  | Prof. Teldersstraat 43 3274MC Heinenoord      | 3:09                                 |
| SK  | De Laagjes 18 3274CB Heinenoord               | 0:32                                 |
| sK  | Steekkant 123 2993DB Barendrecht              | 0:00                                 |
| SL  | Wouter van den Walestr 56 3274CS Heinenoord   | 0:00                                 |
| sL  | Steekkant 59 2993DB Barendrecht               | 0:00                                 |
| sM  | Steekkant 39 2993DB Barendrecht               | 0:00                                 |
| SM  | Zomerlandseweg 2 3274LX Heinenoord            | 3:16                                 |
| sN  | Müllerhaven 66 2993EA Barendrecht             | 0:00                                 |
| SN  | Spuihelden 21 3274CM Heinenoord               | 0:50                                 |
| sO  | Steurwater 7 2993DE Barendrecht               | 0:00                                 |
| SO  | Kooimansland 36 3274CJ Heinenoord             | 0:26                                 |
| SP  | John F. Kennedystraat 7 3274CG Heinenoord     | 0:22                                 |
| sP  | Steekkant 155 2993DB Barendrecht              | 0:00                                 |
| sQ  | Meeshaven 8 2993HN Barendrecht                | 0:00                                 |
| SQ  | Hermannushof 24 3274CE Heinenoord             | 0:52                                 |
| sR  | Steekkant 27 2993DB Barendrecht               | 0:00                                 |
| SR  | Kooimansland 11 3274CJ Heinenoord             | 0:30                                 |
| sS  | Aalwater 17 2993DD Barendrecht                | 0:00                                 |
| SS  | Hermannushof 26 3274CE Heinenoord             | 0:52                                 |
| sT  | Steekkant 119 2993DB Barendrecht              | 0:00                                 |
| ST  | Oosteinde 28 3274KC Heinenoord                | 1:30                                 |
| SU  | Irenestraat 21 3274AD Heinenoord              | 0:00                                 |
| sU  | Kröllerhaven 4 2993ED Barendrecht             | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 13:56/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
|     | sV Ruyshaven 9 2993HM Barendrecht              | 0:00                                 |
|     | SV Bernhardstraat 12 3274AB Heinenoord         | 0:00                                 |
|     | SW Spuivelden 2 3274CM Heinenoord              | 0:46                                 |
|     | sW Spieringwater 6 2993DM Barendrecht          | 0:00                                 |
|     | SX Emmastraat 26 3274AC Heinenoord             | 0:00                                 |
|     | sX Swarttouwhaven 28 2993HP Barendrecht        | 0:00                                 |
|     | SY Rietwaard 1 3274MA Heinenoord               | 3:03                                 |
|     | sY Ruyshaven 11 2993HM Barendrecht             | 0:00                                 |
|     | sZ Swarttouwhaven 66 2993HP Barendrecht        | 0:00                                 |
|     | SZ John F. Kennedystraat 26 3274CG Heinenoord  | 2:20                                 |
|     | T Blaaksedijk West 43 3274LD Heinenoord        | 0:00                                 |
| •   | T Achterzeedijk 1 a 46 2991SB Barendrecht      | 1:14                                 |
|     | tA Van Hobokenhaven 65 2993HH Barendrecht      | 0:00                                 |
|     | TA Prof. Teldersstraat 15 3274CZ Heinenoord    | 2:20                                 |
|     | TB Wouter van den Walestr 12 3274CR Heinenoord | 0:00                                 |
|     | tB Smithaven 31 2993EC Barendrecht             | 0:00                                 |
|     | tC Steekkant 137 2993DB Barendrecht            | 0:00                                 |
|     | TC Avenhil 24 3274CT Heinenoord                | 1:42                                 |
|     | tD Steekkant 105 2993DB Barendrecht            | 0:00                                 |
|     | TD Prof. Teldersstraat 21 3274CZ Heinenoord    | 2:35                                 |
|     | TE De Laagjes 5 3274CB Heinenoord              | 0:28                                 |
|     | tE Zalmwater 133 2993DX Barendrecht            | 0:00                                 |
|     | TF John F. Kennedystraat 57 3274CG Heinenoord  | 0:55                                 |
|     | tF Kröllerhaven 43 2993ED Barendrecht          | 0:00                                 |
|     | tG Van Hobokenhaven 15 2993HH Barendrecht      | 0:00                                 |
|     | TG Rietwaard 14 3274MA Heinenoord              | 2:44                                 |
|     | tH Steekkant 11 2993DB Barendrecht             | 0:00                                 |
|     | TH Kooimansland 10 3274CJ Heinenoord           | 0:21                                 |
|     | TI Abraham Kuyperhof 7 3274CW Heinenoord       | 1:44                                 |
|     | ti Steekkant 67 2993DB Barendrecht             | 0:00                                 |
|     | tJ Steekkant 52 2993DB Barendrecht             | 0:00                                 |
|     | TJ Kalesland 4 3274CH Heinenoord               | 0:32                                 |
|     | tK Müllerhaven 82 2993EA Barendrecht           | 0:00                                 |
|     | TK Oranjestraat 20 3274AK Heinenoord           | 0:00                                 |
|     | tL Müllerhaven 34 2993EA Barendrecht           | 0:00                                 |
|     | TL Dreeshof 2 3274CC Heinenoord                | 0:50                                 |
|     | TM Hermannushof 16 3274CE Heinenoord           | 0:45                                 |
|     | tM Steekkant 31 2993DB Barendrecht             | 0:00                                 |
|     | TN Wiardi Beckmanhof 14 3274CX Heinenoord      | 1:34                                 |
|     | tN Vederhaven 1 2993EB Barendrecht             | 0:00                                 |
|     | TO Wiardi Beckmanhof 2 3274CX Heinenoord       | 1:11                                 |
|     | tO Müllerhaven 50 2993EA Barendrecht           | 0:00                                 |
|     | tP Koedood 4 2993AL Barendrecht                | 0:00                                 |
|     | TP Beatrixstraat 17 3274AA Heinenoord          | 0:00                                 |
|     | tQ Smithaven 49 2993EC Barendrecht             | 0:00                                 |
|     | TQ John F. Kennedystraat 37 3274CG Heinenoord  | 0:38                                 |
|     | tR Koedood 2 a 2993AL Barendrecht              | 0:00                                 |
|     | TR Oranjestraat 11 A 3274AK Heinenoord         | 0:00                                 |
|     | TS Spuivelden 5 3274CM Heinenoord              | 0:41                                 |
|     | tS Kröllerhaven 6 2993ED Barendrecht           | 0:00                                 |
|     | TT Prof. Teldersstraat 4 3274MC Heinenoord     | 2:49                                 |
|     | tT Smithaven 22 2993EC Barendrecht             | 0:00                                 |
|     | TU Dorpsstraat 32 3274BD Heinenoord            | 0:00                                 |
|     | tU Steekkant 121 2993DB Barendrecht            | 0:00                                 |
|     | tV Steekkant 135 2993DB Barendrecht            | 0:00                                 |
|     | TV Prof. Teldersstraat 12 3274MC Heinenoord    | 2:48                                 |
|     | TW Marijkestraat 5 3274AJ Heinenoord           | 0:00                                 |
|     | tW Steekkant 113 2993DB Barendrecht            | 0:00                                 |
|     | tX Smithaven 55 2993EC Barendrecht             | 0:00                                 |
|     | TX Kalesland 9 3274CH Heinenoord               | 0:39                                 |
|     | TY Boerengorzen 11 3274CV Heinenoord           | 2:22                                 |
|     | tY Steekkant 56 2993DB Barendrecht             | 0:00                                 |
|     | TZ Irenestraat 18 3274AE Heinenoord            | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                         | Name                      | Shadow, expected values              |
|-----------------------------|---------------------------|--------------------------------------|
|                             |                           | Shadow hours<br>per year<br>[h/year] |
| tZ Smithaven                | 45 2993EC Barendrecht     | 0:00                                 |
| U Blaaksedijk               | West 29 3274LD Heinenoord | 0:00                                 |
| •U Achterzeedijk            | 1 a 47 2991SB Barendrecht | 1:17                                 |
| uA Müllerhaven              | 16 2993EA Barendrecht     | 0:00                                 |
| UA Wouter van den Walestr   | 64 3274CS Heinenoord      | 0:00                                 |
| UB Avenhil                  | 35 3274CT Heinenoord      | 1:51                                 |
| uB Swarttouwhaven           | 68 2993HP Barendrecht     | 0:00                                 |
| UC Beatrixstraat            | 29 3274AA Heinenoord      | 0:00                                 |
| uC Steekkant                | 30 2993DB Barendrecht     | 0:00                                 |
| uD Steekkant                | 38 2993DB Barendrecht     | 0:00                                 |
| UD Wiardi Beckmanhof        | 3 3274CX Heinenoord       | 1:10                                 |
| UE Martin Luther Kingstraat | 2 3274CK Heinenoord       | 0:20                                 |
| uE Meeshaven                | 3 2993HN Barendrecht      | 0:00                                 |
| UF Rietwaard                | 7 3274MA Heinenoord       | 3:06                                 |
| uF Van Hobokenhaven         | 51 2993HH Barendrecht     | 0:00                                 |
| uG Steekkant                | 42 2993DB Barendrecht     | 0:00                                 |
| UG Dorpsstraat              | 9 3274BB Heinenoord       | 0:00                                 |
| UH Oranjestraat             | 13 3274AK Heinenoord      | 0:00                                 |
| uH Meeshaven                | 1 2993HN Barendrecht      | 0:00                                 |
| uI Steekkant                | 69 2993DB Barendrecht     | 0:00                                 |
| UI Avenhil                  | 4 3274CT Heinenoord       | 1:08                                 |
| UJ De Laagjes               | 15 3274CB Heinenoord      | 0:34                                 |
| uJ Aalwater                 | 22 2993DD Barendrecht     | 0:00                                 |
| UK Bernhardstraat           | 8 3274AB Heinenoord       | 0:00                                 |
| uK Steekkant                | 29 2993DB Barendrecht     | 0:00                                 |
| uL Steurwater               | 9 2993DE Barendrecht      | 0:00                                 |
| UL Margrietstraat           | 13 3274AH Heinenoord      | 0:00                                 |
| uM Smithaven                | 47 2993EC Barendrecht     | 0:00                                 |
| UM Irenestraat              | 15 3274AD Heinenoord      | 0:00                                 |
| uN Meeshaven                | 12 2993HN Barendrecht     | 0:00                                 |
| UN Rietwaard                | 26 3274MA Heinenoord      | 4:35                                 |
| uO Meeshaven                | 15 2993HN Barendrecht     | 0:00                                 |
| UO Avenhil                  | 42 3274CT Heinenoord      | 1:24                                 |
| uP Steekkant                | 117 2993DB Barendrecht    | 0:00                                 |
| UP Dreeshof                 | 10 3274CC Heinenoord      | 0:49                                 |
| uQ Steekkant                | 36 2993DB Barendrecht     | 0:00                                 |
| UQ Oosteinde                | 20 3274KC Heinenoord      | 2:00                                 |
| uR Calandhaven              | 7 2993HL Barendrecht      | 0:00                                 |
| UR John F. Kennedystraat    | 69 3274CG Heinenoord      | 2:02                                 |
| US De Laagjes               | 30 3274CB Heinenoord      | 0:38                                 |
| uS Calandhaven              | 5 2993HL Barendrecht      | 0:00                                 |
| UT Martin Luther Kingstraat | 8 3274CK Heinenoord       | 0:20                                 |
| uT Van Hobokenhaven         | 55 2993HH Barendrecht     | 0:00                                 |
| UU Wiardi Beckmanhof        | 16 3274CX Heinenoord      | 1:34                                 |
| uU Kröllerhaven             | 25 2993ED Barendrecht     | 0:00                                 |
| uV Kröllerhaven             | 8 2993ED Barendrecht      | 0:00                                 |
| UV Thorbeckehof             | 9 3274CP Heinenoord       | 0:56                                 |
| uW Van Hobokenhaven         | 31 2993HH Barendrecht     | 0:00                                 |
| UW Emmastraat               | 24 3274AC Heinenoord      | 0:00                                 |
| UX John F. Kennedystraat    | 71 3274CG Heinenoord      | 2:07                                 |
| uX Steekkant                | 125 2993DB Barendrecht    | 0:00                                 |
| UY Avenhil                  | 7 3274CT Heinenoord       | 1:04                                 |
| uY Steekkant                | 157 2993DB Barendrecht    | 0:00                                 |
| UZ Irenestraat              | 34 3274AE Heinenoord      | 0:00                                 |
| uZ Steekkant                | 43 2993DB Barendrecht     | 0:00                                 |
| V Blaaksedijk               | West 25 3274LD Heinenoord | 0:00                                 |
| •V Achterzeedijk            | 1 a 48 2991SB Barendrecht | 1:18                                 |
| vA Swarttouwhaven           | 22 2993HP Barendrecht     | 0:00                                 |
| VA Martin Luther Kingstraat | 12 3274CK Heinenoord      | 0:22                                 |
| vB Aalwater                 | 6 2993DD Barendrecht      | 0:00                                 |
| VB Buitelanden              | 2 3274MB Heinenoord       | 4:21                                 |
| vC Steekkant                | 49 2993DB Barendrecht     | 0:00                                 |
| VC Abraham Kuyperhof        | 1 3274CW Heinenoord       | 1:49                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.                            | Name               | Shadow, expected values              |
|--------------------------------|--------------------|--------------------------------------|
|                                |                    | Shadow hours<br>per year<br>[h/year] |
| vD Steekkant 141               | 2993DB Barendrecht | 0:00                                 |
| VD Kalesland 76                | 3274CH Heinenoord  | 0:53                                 |
| vE Meeshaven 6                 | 2993HN Barendrecht | 0:00                                 |
| VE Dreeshof 6                  | 3274CC Heinenoord  | 0:49                                 |
| VF John F. Kennedystraat 73    | 3274CG Heinenoord  | 2:09                                 |
| vF Meeshaven 10                | 2993HN Barendrecht | 0:00                                 |
| VG Dreeshof 7                  | 3274CC Heinenoord  | 0:38                                 |
| VG Meeshaven 16                | 2993HN Barendrecht | 0:00                                 |
| vH Müllerhaven 78              | 2993EA Barendrecht | 0:00                                 |
| VH Dorpsstraat 3               | 3274BB Heinenoord  | 0:00                                 |
| vi Steekkant 3                 | 2993DB Barendrecht | 0:00                                 |
| VI Beatrixstraat 46            | 3274AA Heinenoord  | 0:00                                 |
| VJ Oranjestraat 24             | 3274AK Heinenoord  | 0:00                                 |
| vJ Steekkant 8                 | 2993DB Barendrecht | 0:00                                 |
| vK Steekkant 65                | 2993DB Barendrecht | 0:00                                 |
| VK Avenhil 21                  | 3274CT Heinenoord  | 1:44                                 |
| VL Müllerhaven 20              | 2993EA Barendrecht | 0:00                                 |
| VL Irenestraat 42              | 3274AE Heinenoord  | 0:00                                 |
| VM Kröllerhaven 17             | 2993ED Barendrecht | 0:00                                 |
| VM Irenestraat 5               | 3274AD Heinenoord  | 0:00                                 |
| vN Steurwater 3                | 2993DE Barendrecht | 0:00                                 |
| VN Prof. Teldersstraat 53      | 3274MC Heinenoord  | 3:13                                 |
| vO Steekkant 97                | 2993DB Barendrecht | 0:00                                 |
| VO Wouter van den Walestr 38   | 3274CS Heinenoord  | 0:00                                 |
| VP Martin Luther Kingstraat 22 | 3274CK Heinenoord  | 0:27                                 |
| vP Vederhaven 9                | 2993EB Barendrecht | 0:00                                 |
| vQ Müllerhaven 2               | 2993EA Barendrecht | 0:00                                 |
| VO Avenhil 33                  | 3274CT Heinenoord  | 1:56                                 |
| vR Vederhaven 19               | 2993EB Barendrecht | 0:00                                 |
| VR Oosteinde 4                 | 3274KC Heinenoord  | 5:51                                 |
| VS Buitenlanden 3              | 3274MB Heinenoord  | 3:42                                 |
| vS Smithaven 41                | 2993EC Barendrecht | 0:00                                 |
| VT Martin Luther Kingstraat 64 | 3274CL Heinenoord  | 0:56                                 |
| vT Van Hobokenhaven 29         | 2993HH Barendrecht | 0:00                                 |
| VU Buitenlanden 15             | 3274MB Heinenoord  | 3:32                                 |
| vU Zalmwater 147               | 2993DX Barendrecht | 0:00                                 |
| vV Swarttouwhaven 64           | 2993HP Barendrecht | 0:00                                 |
| VV Rietwaard 8                 | 3274MA Heinenoord  | 2:45                                 |
| VW Martin Luther Kingstraat 42 | 3274CL Heinenoord  | 0:39                                 |
| vW Aalwater 12                 | 2993DD Barendrecht | 0:00                                 |
| vX Kröllerhaven 55             | 2993ED Barendrecht | 0:00                                 |
| VX De Laagjes 10               | 3274CB Heinenoord  | 0:27                                 |
| vY Meeshaven 13                | 2993HN Barendrecht | 0:00                                 |
| VY Martin Luther Kingstraat 16 | 3274CK Heinenoord  | 0:25                                 |
| vZ Meeshaven 11                | 2993HN Barendrecht | 0:00                                 |
| VZ Wouter van den Walestr 78   | 3274CS Heinenoord  | 0:00                                 |
| W Blaaksedijk West 30          | 3274LE Heinenoord  | 0:00                                 |
| •W Achterzeedijk 1 a 49        | 2991SB Barendrecht | 1:33                                 |
| WA Marijkestraat 12            | 3274AJ Heinenoord  | 0:00                                 |
| wA Koedood 20                  | 2993AL Barendrecht | 0:00                                 |
| WB Wouter van den Walestr 16   | 3274CR Heinenoord  | 0:00                                 |
| wB Zalmwater 145               | 2993DX Barendrecht | 0:00                                 |
| WC Talmahof 10                 | 3274CN Heinenoord  | 0:34                                 |
| wC Zalmwater 149               | 2993DX Barendrecht | 0:00                                 |
| WD Beatrixstraat 27            | 3274AA Heinenoord  | 0:00                                 |
| wD Kröllerhaven 49             | 2993ED Barendrecht | 0:00                                 |
| wE Zalmwater 135               | 2993DX Barendrecht | 0:00                                 |
| WE Oosteinde 18                | 3274KC Heinenoord  | 2:57                                 |
| WF Spuibelden 11               | 3274CM Heinenoord  | 0:40                                 |
| wF Steekkant 26                | 2993DB Barendrecht | 0:00                                 |
| WG Avenhil 17                  | 3274CT Heinenoord  | 1:11                                 |
| wG Steekkant 46                | 2993DB Barendrecht | 0:00                                 |
| WH Oosteinde 33                | 3274KB Heinenoord  | 3:33                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 13:56/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| wH Koedood 23 2993AL Barendrecht                 | 0:00 |                                      |
| WI Avenhil 39 3274CT Heinenoord                  | 2:02 |                                      |
| wI Meeshaven 17 2993HN Barendrecht               | 0:00 |                                      |
| wJ Swarttouwhaven 2 2993HP Barendrecht           | 0:00 |                                      |
| WJ Dorpsstraat 26 3274BD Heinenoord              | 0:00 |                                      |
| wK Steekkant 165 2993DB Barendrecht              | 0:00 |                                      |
| WK Prof. Teldersstraat 25 3274CZ Heinenoord      | 2:37 |                                      |
| wL Meeshaven 4 2993HN Barendrecht                | 0:00 |                                      |
| WL Kooimansland 24 3274CJ Heinenoord             | 0:22 |                                      |
| wM Meeshaven 9 2993HN Barendrecht                | 0:00 |                                      |
| WM De Laagjes 1 3274CB Heinenoord                | 0:26 |                                      |
| WN Hermannushof 8 3274CE Heinenoord              | 0:41 |                                      |
| wN Vederhaven 5 2993EB Barendrecht               | 0:00 |                                      |
| wO Koedood 27 2993AL Barendrecht                 | 0:00 |                                      |
| WO Bernhardstraat 7 3274AB Heinenoord            | 0:00 |                                      |
| wP Swarttouwhaven 4 2993HP Barendrecht           | 0:00 |                                      |
| WP Andries Woutershof 4 3274CA Heinenoord        | 0:27 |                                      |
| WQ Bernhardstraat 18 3274AB Heinenoord           | 0:00 |                                      |
| wQ Swarttouwhaven 6 2993HP Barendrecht           | 0:00 |                                      |
| wR Kröllerhaven 10 2993ED Barendrecht            | 0:00 |                                      |
| WR Spuivelden 19 3274CM Heinenoord               | 0:50 |                                      |
| wS Smithaven 24 2993EC Barendrecht               | 0:00 |                                      |
| WS Kalesland 40 3274CH Heinenoord                | 0:42 |                                      |
| WT Irenestraat 24 3274AE Heinenoord              | 0:00 |                                      |
| wT Kröllerhaven 45 2993ED Barendrecht            | 0:00 |                                      |
| WU Kalesland 30 3274CH Heinenoord                | 0:40 |                                      |
| wU Smithaven 16 2993EC Barendrecht               | 0:00 |                                      |
| WV Kalesland 42 3274CH Heinenoord                | 0:45 |                                      |
| wV Steekkant 151 2993DB Barendrecht              | 0:00 |                                      |
| WW De Laagjes 36 3274CB Heinenoord               | 0:42 |                                      |
| wW Kröllerhaven 35 2993ED Barendrecht            | 0:00 |                                      |
| WX Martin Luther Kingstraat 28 3274CK Heinenoord | 0:32 |                                      |
| wX Steekkant 58 2993DB Barendrecht               | 0:00 |                                      |
| WY Prof. Teldersstraat 45 3274MC Heinenoord      | 3:09 |                                      |
| wY Ruyshaven 1 2993HM Barendrecht                | 0:00 |                                      |
| wZ Zalmwater 137 2993DX Barendrecht              | 0:00 |                                      |
| WZ Oranjestraat 28 3274AK Heinenoord             | 0:00 |                                      |
| X Reedijk 4 3274KE Heinenoord                    | 0:00 |                                      |
| *X Achterzeedijk 1 a 50 2991SB Barendrecht       | 1:26 |                                      |
| XA John F. Kennedystraat 75 3274CG Heinenoord    | 2:10 |                                      |
| xA Müllerhaven 38 2993EA Barendrecht             | 0:00 |                                      |
| xB Steekkant 18 2993DB Barendrecht               | 0:00 |                                      |
| XB Thorbeckehof 7 3274CP Heinenoord              | 0:56 |                                      |
| xC Steekkant 21 2993DB Barendrecht               | 0:00 |                                      |
| XC Abraham Kuyperhof 13 3274CW Heinenoord        | 2:03 |                                      |
| xD Vederhaven 13 2993EB Barendrecht              | 0:00 |                                      |
| XD John F. Kennedystraat 51 3274CG Heinenoord    | 0:51 |                                      |
| xE Van Hobokenhoven 17 2993HH Barendrecht        | 0:00 |                                      |
| XE John F. Kennedystraat 17 3274CG Heinenoord    | 0:24 |                                      |
| xF Kabbelkant 12 2993DC Barendrecht              | 0:00 |                                      |
| XF Oranjestraat 21 3274AK Heinenoord             | 0:00 |                                      |
| xG Müllerhaven 14 2993EA Barendrecht             | 0:00 |                                      |
| XG Avenhil 38 3274CT Heinenoord                  | 1:58 |                                      |
| xH Steekkant 71 2993DB Barendrecht               | 0:00 |                                      |
| XH De Laagjes 14 3274CB Heinenoord               | 0:31 |                                      |
| XI Emmastraat 9 3274AC Heinenoord                | 0:00 |                                      |
| xi Swarttouwhaven 50 2993HP Barendrecht          | 0:00 |                                      |
| XJ Abraham Kuyperhof 4 3274CW Heinenoord         | 1:46 |                                      |
| xJ Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| xK Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| KK Boerengorzen 6 3274CV Heinenoord              | 2:06 |                                      |
| XL Kalesland 17 3274CH Heinenoord                | 0:45 |                                      |
| xL Weekant 60 2993DA Barendrecht                 | 0:00 |                                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| xM  | Spieringwater 1 2993DM Barendrecht            | 0:00                                 |
| XM  | Julianalaan 36 3274AG Heinenoord              | 0:00                                 |
| xN  | Weerkant 134 2993DA Barendrecht               | 0:00                                 |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 0:00                                 |
| xO  | Harderwater 78 2993DW Barendrecht             | 0:00                                 |
| XO  | Talmahof 3 3274CN Heinenoord                  | 0:26                                 |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 0:00                                 |
| xP  | Harderwater 76 2993DW Barendrecht             | 0:00                                 |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 0:47                                 |
| xQ  | Weerkant 17 2993DA Barendrecht                | 0:00                                 |
| xR  | Kuilkant 167 2993DV Barendrecht               | 0:00                                 |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 0:00                                 |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 0:00                                 |
| xS  | Weerkant 38 2993DA Barendrecht                | 0:00                                 |
| xt  | Weerkant 14 2993DA Barendrecht                | 0:00                                 |
| XT  | Hermannushof 20 3274CE Heinenoord             | 0:53                                 |
| xU  | Weerkant 132 2993DA Barendrecht               | 0:00                                 |
| XU  | Kalesland 50 3274CH Heinenoord                | 0:46                                 |
| xV  | Weerkant 19 2993DA Barendrecht                | 0:00                                 |
| XV  | Buitenlanden 6 3274MB Heinenoord              | 4:09                                 |
| XW  | Avenhil 1 3274CT Heinenoord                   | 1:13                                 |
| xW  | Harderwater 80 2993DW Barendrecht             | 0:00                                 |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 0:00                                 |
| xX  | Weerkant 12 2993DA Barendrecht                | 0:00                                 |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 2:04                                 |
| xY  | Zalmwater 115 2993DX Barendrecht              | 0:00                                 |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 1:24                                 |
| xZ  | Weerkant 112 2993DA Barendrecht               | 0:00                                 |
| Y   | Blaakseindijk West 35 3274LD Heinenoord       | 0:00                                 |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 1:25                                 |
| yA  | Weerkant 76 2993DA Barendrecht                | 0:00                                 |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 0:00                                 |
| yB  | Weerkant 100 2993DA Barendrecht               | 0:00                                 |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 0:00                                 |
| YC  | De Laagjes 6 3274CB Heinenoord                | 0:25                                 |
| yC  | Weerkant 92 2993DA Barendrecht                | 0:00                                 |
| YD  | Rietwaard 16 3274MA Heinenoord                | 2:39                                 |
| yD  | Weerkant 6 2993DA Barendrecht                 | 0:00                                 |
| YE  | De Laagjes 3 3274CB Heinenoord                | 0:26                                 |
| yE  | Weerkant 46 2993DA Barendrecht                | 0:00                                 |
| yF  | Weerkant 18 2993DA Barendrecht                | 0:00                                 |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 2:06                                 |
| yG  | Weerkant 64 2993DA Barendrecht                | 0:00                                 |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 0:00                                 |
| yH  | Weerkant 118 2993DA Barendrecht               | 0:00                                 |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 0:00                                 |
| yI  | Harderwater 49 2993DW Barendrecht             | 0:00                                 |
| YI  | Avenhil 8 3274CT Heinenoord                   | 1:03                                 |
| yJ  | Weerkant 94 2993DA Barendrecht                | 0:00                                 |
| YJ  | Kalesland 66 3274CH Heinenoord                | 0:57                                 |
| yK  | Weerkant 1 2993DA Barendrecht                 | 0:00                                 |
| YK  | Kalesland 2 3274CH Heinenoord                 | 0:32                                 |
| YL  | Zalmwater 125 2993DX Barendrecht              | 0:00                                 |
| YL  | Koomansland 3 3274CJ Heinenoord               | 0:27                                 |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 0:49                                 |
| yM  | Weerkant 114 2993DA Barendrecht               | 0:00                                 |
| yN  | Weerkant 20 2993DA Barendrecht                | 0:00                                 |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 3:27                                 |
| yO  | Weerkant 138 2993DA Barendrecht               | 0:00                                 |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 0:00                                 |
| YP  | Kalesland 60 3274CH Heinenoord                | 0:54                                 |
| yP  | Weerkant 48 2993DA Barendrecht                | 0:00                                 |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoopte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 13:56/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| YQ  | Julianalaan 44 3274AG Heinenoord              | 0:00                                 |
| yR  | Weerkant 24 2993DA Barendrecht                | 0:00                                 |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 1:43                                 |
| YS  | Rietwaard 19 3274MA Heinenoord                | 3:47                                 |
| yS  | Spieringwater 13 2993DM Barendrecht           | 0:00                                 |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 0:00                                 |
| yT  | Weerkant 62 2993DA Barendrecht                | 0:00                                 |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 0:00                                 |
| yU  | Weerkant 146 2993DA Barendrecht               | 0:00                                 |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 1:48                                 |
| yV  | Weerkant 82 2993DA Barendrecht                | 0:00                                 |
| yW  | Spieringwater 9 2993DM Barendrecht            | 0:00                                 |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 0:41                                 |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 0:00                                 |
| yX  | Weerkant 136 2993DA Barendrecht               | 0:00                                 |
| yY  | Weerkant 158 2993DA Barendrecht               | 0:00                                 |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 0:28                                 |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 0:57                                 |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 0:00                                 |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 0:00                                 |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 1:26                                 |
| zA  | Weerkant 86 2993DA Barendrecht                | 0:00                                 |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 0:24                                 |
| zB  | Weerkant 32 2993DA Barendrecht                | 0:00                                 |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 0:00                                 |
| zC  | Spieringwater 5 2993DM Barendrecht            | 0:00                                 |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 2:42                                 |
| ZD  | Kalesland 34 3274CH Heinenoord                | 0:41                                 |
| zD  | Weerkant 126 2993DA Barendrecht               | 0:00                                 |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 1:11                                 |
| zE  | Weerkant 30 2993DA Barendrecht                | 0:00                                 |
| zF  | Weerkant 104 2993DA Barendrecht               | 0:00                                 |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 3:02                                 |
| zG  | Weerkant 70 2993DA Barendrecht                | 0:00                                 |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 1:50                                 |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 1:10                                 |
| zH  | Weerkant 10 2993DA Barendrecht                | 0:00                                 |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 1:12                                 |
| zI  | Weerkant 33 2993DA Barendrecht                | 0:00                                 |
| zJ  | Weerkant 26 2993DA Barendrecht                | 0:00                                 |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 0:00                                 |
| zK  | Weerkant 130 2993DA Barendrecht               | 0:00                                 |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 0:00                                 |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 0:00                                 |
| zL  | Weerkant 4 2993DA Barendrecht                 | 0:00                                 |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 1:17                                 |
| zM  | Weerkant 68 2993DA Barendrecht                | 0:00                                 |
| zN  | Weerkant 96 2993DA Barendrecht                | 0:00                                 |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 0:34                                 |
| zO  | Weerkant 34 2993DA Barendrecht                | 0:00                                 |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 0:00                                 |
| zP  | Weerkant 31 2993DA Barendrecht                | 0:00                                 |
| ZP  | Koimansland 7 3274CJ Heinenoord               | 0:28                                 |
| zQ  | Weerkant 148 2993DA Barendrecht               | 0:00                                 |
| ZQ  | Talmahof 5 3274CN Heinenoord                  | 0:26                                 |
| ZR  | Irenestraat 14 3274AE Heinenoord              | 0:00                                 |
| zR  | Weerkant 144 2993DA Barendrecht               | 0:00                                 |
| zS  | Weerkant 116 2993DA Barendrecht               | 0:00                                 |
| ZS  | Oosteinde 26 3274KC Heinenoord                | 1:37                                 |
| ZT  | John F. Kennedystraat 25 3274CG Heinenoord    | 0:28                                 |
| zT  | Spieringwater 11 2993DM Barendrecht           | 0:00                                 |
| zU  | Weerkant 140 2993DA Barendrecht               | 0:00                                 |
| ZU  | Wouter van den Walestr 58 3274CS Heinenoord   | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 13:56/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2a

...continued from previous page

| No. | Name   | Shadow, expected values |
|-----|--|-------------------------|
|     |  | Shadow hours            |
|     |  | per year                |
|     |  | [h/year]                |
|     | zV Weerkant 42 2993DA Barendrecht              | 0:00                    |
|     | ZV Margrietstraat 16 3274AH Heinenoord         | 0:00                    |
|     | ZW Bernhardstraat 1 A 3274AB Heinenoord        | 0:00                    |
|     | zW Weerkant 122 2993DA Barendrecht             | 0:00                    |
|     | zX Weerkant 168 2993DA Barendrecht             | 0:00                    |
|     | ZX De Laagjes 13 3274CB Heinenoord             | 0:36                    |
|     | ZY Marijkestraat 3 3274AJ Heinenoord           | 0:00                    |
|     | ZY Weerkant 80 2993DA Barendrecht              | 0:00                    |
|     | ZZ Wouter van den Walestr 46 3274CS Heinenoord | 0:00                    |
|     | zz Weerkant 106 2993DA Barendrecht             | 0:00                    |

Total amount of flickering on the shadow receptors caused by each WTG

| No. | Name   | Worst case | Expected |
|-----|--|------------|----------|
|     |  | [h/year]   | [h/year] |
| 1   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (6)  | 60:50      | 16:24    |
| 2   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (7)  | 32:08      | 8:41     |
| 3   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (8)  | 56:31      | 11:21    |
| 4   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (9)  | 69:47      | 11:01    |
| 5   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (10) | 108:29     | 22:52    |

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

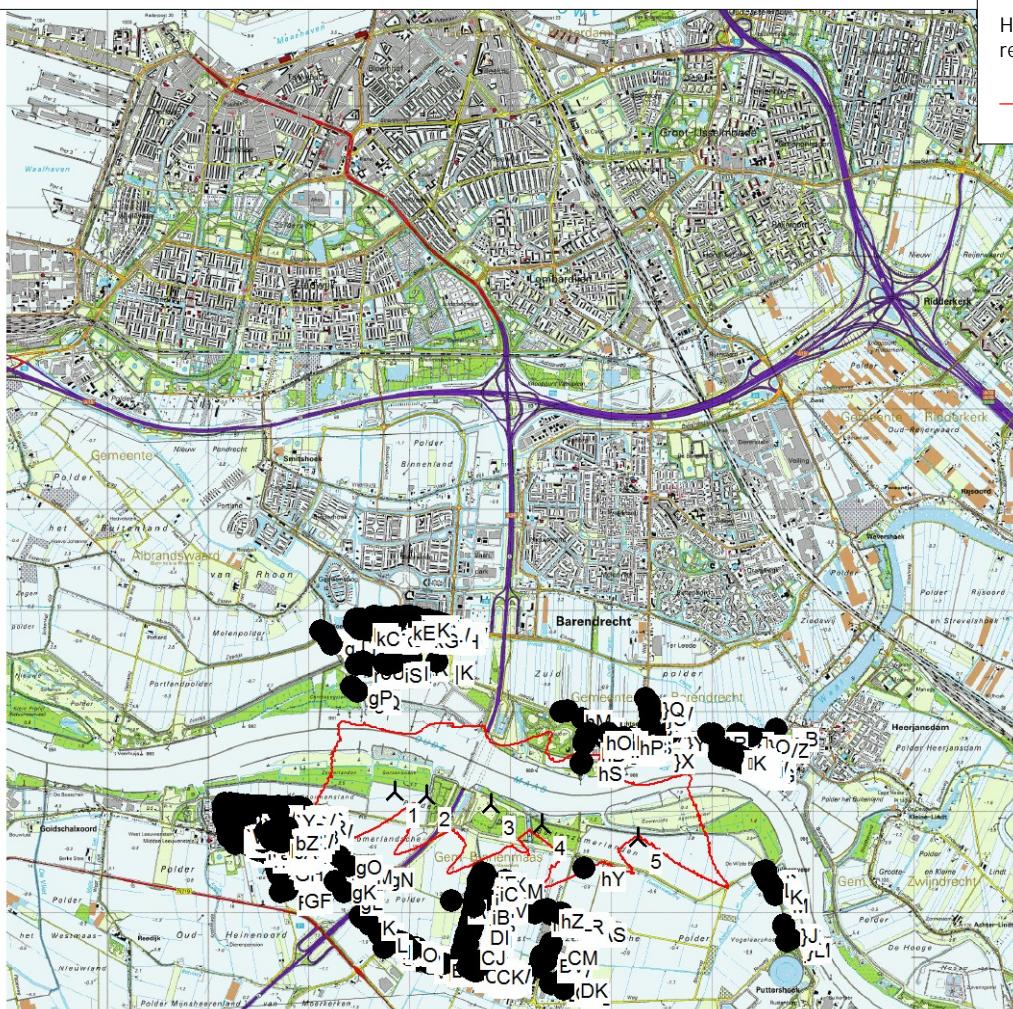
VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 13:56/3.0.654

## SHADOW - Map

Calculation: Windpark Binnenmaas Opstelling 2a



0 1 2 3 4 km

Map: Bitmap map: 37H\_Rotterdam\_2004.tif , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2000 East: 94.840 North: 427.040

>New WTG      Shadow receptor

Flicker map level: 0 m above sea level

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

### Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

5 °

Day step for calculation

1 days

Time step for calculation

1 minutes

Sunshine probability S (Average daily sunshine hours) []

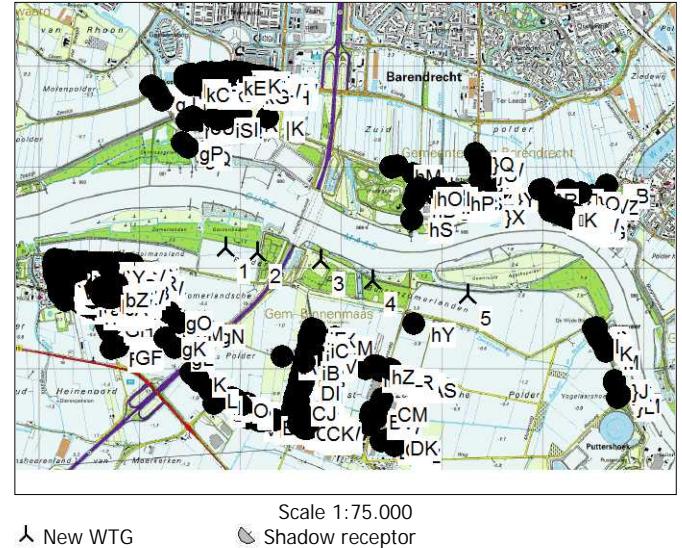
| Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 2,39 | 3,03 | 4,59 | 6,77 | 7,13 | 7,63 | 7,07 | 6,03 | 5,25 | 3,91 | 2,07 | 1,80 |

Operational time

| N   | NNE | ENE | E   | ESE | SSE | S     | SSW   | WSW   | W   | NNW | NNW | Sum   |
|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-------|
| 521 | 607 | 604 | 415 | 381 | 628 | 1.003 | 1.019 | 1.085 | 799 | 637 | 717 | 8.416 |

Idle start wind speed: Cut in wind speed from power curve

All coordinates are in  
Dutch Stereo-RD/NAP 2000



### WTGs

| X<br>(east)<br>[m] | Y<br>(north)<br>[m] | Z       | Row data/Description                          | WTG type |           |                | Power<br>rated<br>[kW] | Rotor<br>diameter<br>[m] | Hub<br>height<br>[m] | Shadow data                    |              |
|--------------------|---------------------|---------|---|----------|-----------|----------------|------------------------|--------------------------|----------------------|--------------------------------|--------------|
|                    |                     |         |   | Valid    | Manufact. | Type-generator |                        |                          |                      | Calculation<br>distance<br>[m] | RPM<br>[RPM] |
| 1                  | 93.849              | 427.196 | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 11... | Yes      | SENVION   | 3.4M140-3.400  | 3.400                  | 140,0                    | 117,0                | 5.000                          | 0,0          |
| 2                  | 94.166              | 427.151 | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 11... | Yes      | SENVION   | 3.4M140-3.400  | 3.400                  | 140,0                    | 117,0                | 5.000                          | 0,0          |
| 3                  | 94.797              | 427.072 | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 11... | Yes      | SENVION   | 3.4M140-3.400  | 3.400                  | 140,0                    | 117,0                | 5.000                          | 0,0          |
| 4                  | 95.308              | 426.873 | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 11... | Yes      | SENVION   | 3.4M140-3.400  | 3.400                  | 140,0                    | 117,0                | 5.000                          | 0,0          |
| 5                  | 96.257              | 426.734 | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 11... | Yes      | SENVION   | 3.4M140-3.400  | 3.400                  | 140,0                    | 117,0                | 5.000                          | 0,0          |

### Shadow receptor-Input

| No.                            | Name              | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|-------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
| [A Kalesland 11                | 3274CH Heinenoord | 92.554   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [B Prof. Teldersstraat 39      | 3274MC Heinenoord | 92.851   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [C Bernhardstraat 1 C          | 3274AB Heinenoord | 92.194   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [D Wiardi Beckmanhof 17        | 3274CX Heinenoord | 92.701   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [E Abraham Kuyperhof 15        | 3274CW Heinenoord | 92.765   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [F Margrietstraat 4            | 3274AH Heinenoord | 92.287   | 426.838   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [G Wiardi Beckmanhof 6         | 3274CX Heinenoord | 92.663   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [H Rietwaard 9                 | 3274MA Heinenoord | 92.843   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [I Kalesland 20                | 3274CH Heinenoord | 92.504   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [J Rietwaard 11                | 3274MA Heinenoord | 92.852   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [K Buitenlanden 14             | 3274MB Heinenoord | 92.936   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [L Abraham Kuyperhof 11        | 3274CW Heinenoord | 92.766   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [M John F. Kennedystraat 29    | 3274CG Heinenoord | 92.484   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [N Marijkestraat 19            | 3274AJ Heinenoord | 92.322   | 427.058   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [O Avenhil 41                  | 3274CT Heinenoord | 92.704   | 426.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [P Oosteinde 35                | 3274KB Heinenoord | 92.706   | 426.617   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Q Martin Luther Kingstraat 26 | 3274CK Heinenoord | 92.473   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [R Anjestastraat 27            | 3274AK Heinenoord | 92.272   | 426.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [S John F. Kennedystraat 8     | 3274CG Heinenoord | 92.673   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [T Emmastraat 14               | 3274AC Heinenoord | 92.274   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [U Irenestraat 23              | 3274AD Heinenoord | 92.246   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [V Spuibedel 3                 | 3274CM Heinenoord | 92.529   | 426.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [W Beatrixstraat 42            | 3274AA Heinenoord | 92.208   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [X Buitenlanden 7              | 3274MB Heinenoord | 92.888   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Y Kooimansland 38             | 3274CJ Heinenoord | 92.445   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Z Kalesland 16                | 3274CH Heinenoord | 92.492   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \A Kalesland 8                 | 3274CH Heinenoord | 92.480   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| \B  | Talmahof 1 3274CN Heinenoord                  | 92.433   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \C  | Koimansland 17 3274CJ Heinenoord              | 92.481   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \D  | Irenestraat 22 3274AE Heinenoord              | 92.266   | 426.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \E  | John F. Kennedystraat 65 3274CG Heinenoord    | 92.703   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \F  | Spuivelden 10 3274CM Heinenoord               | 92.582   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \G  | Thorbeckehof 5 3274CP Heinenoord              | 92.607   | 426.997   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \H  | Spuivelden 6 3274CM Heinenoord                | 92.571   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \I  | Prof. Teldersstraat 29 3274CZ Heinenoord      | 92.824   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \J  | John F. Kennedystraat 45 3274CG Heinenoord    | 92.531   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 92.724   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 92.812   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 92.729   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \N  | De Laagjes 11 3274CB Heinenoord               | 92.476   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 92.521   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 92.877   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 92.229   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 92.332   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 92.832   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 92.402   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 92.863   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 92.222   | 427.076   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \W  | Spuivelden 7 3274CM Heinenoord                | 92.530   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \X  | Avenhil 19 3274CT Heinenoord                  | 92.686   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 92.588   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 92.262   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 92.893   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 92.490   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 92.826   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 92.452   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 92.765   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 92.407   | 426.696   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 92.936   | 427.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 92.842   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 92.887   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]J  | Kalesland 44 3274CH Heinenoord                | 92.555   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 92.700   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 92.403   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 92.938   | 426.698   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 92.729   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 92.903   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]P  | Kalesland 14 3274CH Heinenoord                | 92.488   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 92.587   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 92.737   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 92.632   | 426.678   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 92.513   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 92.432   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 92.561   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]W  | Kalesland 13 3274CH Heinenoord                | 92.554   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 92.406   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 92.572   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 92.743   | 427.040   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^A  | Kalesland 24 3274CH Heinenoord                | 92.513   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 92.887   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 92.421   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 92.565   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^E  | Kalesland 54 3274CH Heinenoord                | 92.574   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 92.216   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 92.333   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 92.368   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 92.721   | 426.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 92.278   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 92.367   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 92.157   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                            | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                      |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ^M Kalesland 48                | 3274CH Heinenoord    | 92.564   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^N Buitenlanden 9              | 3274MB Heinenoord    | 92.893   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^O Wiardi Beckmanhof 10        | 3274CX Heinenoord    | 92.668   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^P Kalesland 74                | 3274CH Heinenoord    | 92.592   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Q Rietwaard 18                | 3274MA Heinenoord    | 92.810   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^R Oranjestraat 25             | 3274AK Heinenoord    | 92.266   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^S Heyne van Althenastraat 20  | 3274CD Heinenoord    | 92.458   | 426.756   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^T Kalesland 15                | 3274CH Heinenoord    | 92.555   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^U Buitenlanden 10             | 3274MB Heinenoord    | 92.928   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^V Heyne van Althenastraat 38  | 3274CD Heinenoord    | 92.571   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^W Spuivelden 13               | 3274CM Heinenoord    | 92.532   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^X Rietwaard 13                | 3274MA Heinenoord    | 92.857   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Y Wouter van den Walestr      | 24 3274CR Heinenoord | 92.334   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Z Abraham Kuyperhof 12        | 3274CW Heinenoord    | 92.766   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _A Kalesland 12                | 3274CH Heinenoord    | 92.480   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _B Hermannushof 18             | 3274CE Heinenoord    | 92.560   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _C Willem de Zwijgerstraat 12  | 3274AL Heinenoord    | 92.175   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _D Prof. Teldersstraat 8       | 3274MC Heinenoord    | 92.832   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _E Margrietstraat 15           | 3274AH Heinenoord    | 92.292   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _F Emmastraat 18               | 3274AC Heinenoord    | 92.284   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _G Abraham Kuyperhof 17        | 3274CW Heinenoord    | 92.765   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _H John F. Kennedystraat 6     | 3274CG Heinenoord    | 92.669   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _I John F. Kennedystraat 30    | 3274CG Heinenoord    | 92.793   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _J Oranjestraat 18             | 3274AK Heinenoord    | 92.166   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _K Avenhil 26                  | 3274CT Heinenoord    | 92.726   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _L Spuivelden 4                | 3274CM Heinenoord    | 92.566   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _M Wouter van den Walestr 6    | 3274CR Heinenoord    | 92.332   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _N Martin Luther Kingstraat 18 | 3274CK Heinenoord    | 92.432   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _O Rietwaard 12                | 3274MA Heinenoord    | 92.800   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _P Bernhardstraat 10           | 3274AB Heinenoord    | 92.244   | 426.853   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Q Kalesland 62                | 3274CH Heinenoord    | 92.596   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _R John F. Kennedystraat 53    | 3274CG Heinenoord    | 92.586   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _S Kooimansland 20             | 3274CJ Heinenoord    | 92.390   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _T Boerengorzen 7              | 3274CV Heinenoord    | 92.781   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _U Talmahof 12                 | 3274CN Heinenoord    | 92.490   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _V John F. Kennedystraat 81    | 3274CG Heinenoord    | 92.793   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _W Rietwaard 15                | 3274MA Heinenoord    | 92.870   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _X Oosteinde 43                | 3274KB Heinenoord    | 92.634   | 426.606   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Y De Laagjes 9                | 3274CB Heinenoord    | 92.470   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Z Beatrixstraat 40            | 3274AA Heinenoord    | 92.204   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `A Prof. Teldersstraat 51      | 3274MC Heinenoord    | 92.877   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `B Heyne van Althenastraat 24  | 3274CD Heinenoord    | 92.471   | 426.753   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `C Andries Woutershof 22       | 3274CA Heinenoord    | 92.501   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `D Bernhardstraat 14           | 3274AB Heinenoord    | 92.257   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `E Dreeshof 8                  | 3274CC Heinenoord    | 92.575   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `F Irenestraat 32              | 3274AE Heinenoord    | 92.297   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `G Dorpsstraat 12              | 3274BD Heinenoord    | 92.396   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `H Wouter van den Walestr 40   | 3274CS Heinenoord    | 92.362   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `I Prof. Teldersstraat 2       | 3274MC Heinenoord    | 92.832   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `J Wouter van den Walestr 10   | 3274CR Heinenoord    | 92.329   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `K De Laagjes 32               | 3274CB Heinenoord    | 92.532   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `L Margrietstraat 7            | 3274AH Heinenoord    | 92.286   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `M Irenestraat 11              | 3274AD Heinenoord    | 92.241   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `N Bernhardstraat 1 D          | 3274AB Heinenoord    | 92.193   | 426.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `O Prof. Teldersstraat 1       | 3274CZ Heinenoord    | 92.800   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `P Willem de Zwijgerstraat 10  | 3274AL Heinenoord    | 92.168   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Q Wouter van den Walestr 14   | 3274CR Heinenoord    | 92.329   | 426.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `R John F. Kennedystraat 63    | 3274CG Heinenoord    | 92.698   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `S Prof. Teldersstraat 19      | 3274CZ Heinenoord    | 92.799   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `T Emmastraat 36               | 3274AC Heinenoord    | 92.191   | 426.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `U Marijkestraat 1             | 3274AJ Heinenoord    | 92.256   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `V Spuivelden 27               | 3274CM Heinenoord    | 92.576   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `W Bernhardstraat 1            | 3274AB Heinenoord    | 92.199   | 426.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord | 92.365   | 426.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord  | 92.692   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord | 92.368   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A  | Weerkant 88 2993DA Barendrecht              | 94.229   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B  | Weerkant 5 2993DA Barendrecht               | 94.255   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C  | Weerkant 72 2993DA Barendrecht              | 94.321   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D  | Zalmwater 111 2993DX Barendrecht            | 94.221   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E  | Weerkant 37 2993DA Barendrecht              | 94.178   | 428.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F  | Weerkant 166 2993DA Barendrecht             | 94.229   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G  | Weerkant 128 2993DA Barendrecht             | 94.222   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H  | Weerkant 56 2993DA Barendrecht              | 94.319   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {I  | Weerkant 23 2993DA Barendrecht              | 94.216   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {J  | Weerkant 25 2993DA Barendrecht              | 94.210   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {K  | Weerkant 21 2993DA Barendrecht              | 94.221   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {L  | Weerkant 66 2993DA Barendrecht              | 94.313   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {M  | Weerkant 120 2993DA Barendrecht             | 94.229   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {N  | Zalmwater 121 2993DX Barendrecht            | 94.188   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {O  | Weerkant 22 2993DA Barendrecht              | 94.321   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {P  | Weerkant 162 2993DA Barendrecht             | 94.223   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Q  | Zalmwater 123 2993DX Barendrecht            | 94.182   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {R  | Weerkant 54 2993DA Barendrecht              | 94.311   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {S  | Weerkant 44 2993DA Barendrecht              | 94.316   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {T  | Weerkant 108 2993DA Barendrecht             | 94.225   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {U  | Weerkant 8 2993DA Barendrecht               | 94.322   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {V  | Weerkant 150 2993DA Barendrecht             | 94.227   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {W  | Zalmwater 131 2993DX Barendrecht            | 94.156   | 428.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {X  | Weerkant 35 2993DA Barendrecht              | 94.183   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Y  | Weerkant 28 2993DA Barendrecht              | 94.314   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Z  | Weerkant 98 2993DA Barendrecht              | 94.230   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A} | Weerkant 124 2993DA Barendrecht             | 94.225   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B} | Weerkant 52 2993DA Barendrecht              | 94.320   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C} | Kuikant 169 2993DV Barendrecht              | 94.338   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D} | Weerkant 36 2993DA Barendrecht              | 94.312   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E} | Weerkant 2 2993DA Barendrecht               | 94.320   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F} | Weerkant 27 2993DA Barendrecht              | 94.205   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G} | Weerkant 29 2993DA Barendrecht              | 94.199   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H} | Weerkant 90 2993DA Barendrecht              | 94.227   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {I} | Weerkant 160 2993DA Barendrecht             | 94.221   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {J} | Zalmwater 117 2993DX Barendrecht            | 94.201   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {K} | Koedood 2 2993AL Barendrecht                | 94.270   | 428.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {L} | Weerkant 11 2993DA Barendrecht              | 94.254   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {M} | Weerkant 15 2993DA Barendrecht              | 94.237   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {N} | Weerkant 16 2993DA Barendrecht              | 94.321   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {O} | Weerkant 40 2993DA Barendrecht              | 94.316   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {P} | Weerkant 74 2993DA Barendrecht              | 94.322   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Q} | Weerkant 78 2993DA Barendrecht              | 94.314   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {R} | Weerkant 102 2993DA Barendrecht             | 94.227   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {S} | Harderwater 51 2993DW Barendrecht           | 94.274   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {T} | Zalmwater 119 2993DX Barendrecht            | 94.195   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {U} | Zalmwater 129 2993DX Barendrecht            | 94.163   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {V} | Weerkant 156 2993DA Barendrecht             | 94.221   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {W} | Spieringwater 3 2993DM Barendrecht          | 94.158   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {X} | Weerkant 7 2993DA Barendrecht               | 94.255   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Y} | Weerkant 13 2993DA Barendrecht              | 94.254   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Z} | Weerkant 3 2993DA Barendrecht               | 94.256   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A} | Weerkant 9 2993DA Barendrecht               | 94.255   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B} | Weerkant 110 2993DA Barendrecht             | 94.227   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C} | Weerkant 142 2993DA Barendrecht             | 94.233   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D} | Weerkant 154 2993DA Barendrecht             | 94.223   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E} | Weerkant 164 2993DA Barendrecht             | 94.225   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F} | Weerkant 152 2993DA Barendrecht             | 94.225   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G} | Zalmwater 113 2993DX Barendrecht            | 94.213   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H} | Weerkant 50 2993DA Barendrecht              | 94.322   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| J   | I Weerkant 58 2993DA Barendrecht             | 94.317   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | J Kuipersveer 9 3274KH Heinenoord            | 97.706   | 425.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | K Kuipersveer 7 3274KH Heinenoord            | 97.711   | 425.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | L Kuipersveer 3 3274KH Heinenoord            | 97.762   | 425.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | M Kuipersveer 5 3274KH Heinenoord            | 97.770   | 425.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | N Kuipersveer 1 A 3274KH Heinenoord          | 97.737   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | O Ziedewijdsekade 14 2991VS Barendrecht      | 97.379   | 427.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | P 3e Barendrechtseweg 555 2991SH Barendrecht | 96.384   | 427.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Q 3e Barendrechtseweg 454 2992SN Barendrecht | 96.331   | 428.132   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | R Ziedewijdsekade 36 2991SE Barendrecht      | 96.966   | 427.774   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | S 3e Barendrechtseweg 545 2991SH Barendrecht | 96.375   | 428.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | T Ziedewijdsekade 18 2991VS Barendrecht      | 97.248   | 427.775   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | U Ziedewijdsekade 72 2991SE Barendrecht      | 96.547   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | V Ziedewijdsekade 1 2991VS Barendrecht       | 97.493   | 427.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | W 3e Barendrechtseweg 541 2991SH Barendrecht | 96.375   | 428.077   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | X Achterzeedijk 11 2991SB Barendrecht        | 96.449   | 427.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Y Ziedewijdsekade 70 2991SE Barendrecht      | 96.571   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Z Ziedewijdsekade 10 2991VS Barendrecht      | 97.590   | 427.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | A 3e Barendrechtseweg 559 2991SH Barendrecht | 96.372   | 427.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | B Ziedewijdsekade 12 2991VS Barendrecht      | 97.633   | 427.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | C Ziedewijdsekade 34 2991SE Barendrecht      | 97.009   | 427.777   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | D Achterzeedijk 1 2991SB Barendrecht         | 97.077   | 427.630   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | E Achterzeedijk 1 a 1 2991SB Barendrecht     | 97.394   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | F Achterzeedijk 1 a 2 2991SB Barendrecht     | 97.392   | 427.477   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | G Achterzeedijk 1 a 3 2991SB Barendrecht     | 97.386   | 427.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | H Achterzeedijk 1 a 4 2991SB Barendrecht     | 97.382   | 427.439   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | I Achterzeedijk 1 a 6 2991SB Barendrecht     | 97.368   | 427.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | J Achterzeedijk 1 a 7 2991SB Barendrecht     | 97.356   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | K Achterzeedijk 1 a 8 2991SB Barendrecht     | 97.347   | 427.453   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | L Achterzeedijk 1 a 9 2991SB Barendrecht     | 97.345   | 427.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | M Achterzeedijk 1 a 10 2991SB Barendrecht    | 97.346   | 427.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | N Achterzeedijk 1 a 11 2991SB Barendrecht    | 97.338   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | O Achterzeedijk 1 a 12 2991SB Barendrecht    | 97.333   | 427.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | P Achterzeedijk 1 a 14 2991SB Barendrecht    | 97.319   | 427.508   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Q Achterzeedijk 1 a 16 2991SB Barendrecht    | 97.301   | 427.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | R Achterzeedijk 1 a 17 2991SB Barendrecht    | 97.297   | 427.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | S Achterzeedijk 1 a 18 2991SB Barendrecht    | 97.294   | 427.518   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | T Achterzeedijk 1 a 19 2991SB Barendrecht    | 97.294   | 427.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | U Achterzeedijk 1 a 20 2991SB Barendrecht    | 97.285   | 427.484   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | V Achterzeedijk 1 a 21 2991SB Barendrecht    | 97.284   | 427.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | W Achterzeedijk 1 a 22 2991SB Barendrecht    | 97.273   | 427.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | X Achterzeedijk 1 a 23 2991SB Barendrecht    | 97.261   | 427.513   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Y Achterzeedijk 1 a 24 2991SB Barendrecht    | 97.252   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Z Achterzeedijk 1 a 26 2991SB Barendrecht    | 97.250   | 427.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?A  | Achterzeedijk 1 a 53 2991SB Barendrecht      | 97.085   | 427.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?B  | Achterzeedijk 1 a 54 2991SB Barendrecht      | 97.079   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?C  | Achterzeedijk 1 a 55 2991SB Barendrecht      | 97.075   | 427.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?D  | Achterzeedijk 1 a 56 2991SB Barendrecht      | 97.069   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?E  | Achterzeedijk 1 a 13 2991SB Barendrecht      | 97.329   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?F  | Achterzeedijk 1 a 15 2991SB Barendrecht      | 97.311   | 427.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?G  | Achterzeedijk 1 a 25 2991SB Barendrecht      | 97.249   | 427.554   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?H  | Achterzeedijk 1 a 5 2991SB Barendrecht       | 97.378   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?I  | Kuipersveer 15 3274KH Heinenoord             | 97.606   | 426.230   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?J  | Kuipersveer 31 3274KH Heinenoord             | 97.501   | 426.403   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?K  | Kuipersveer 15 A 3274KH Heinenoord           | 97.591   | 426.257   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?L  | Kuipersveer 23 3274KH Heinenoord             | 97.535   | 426.329   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?M  | Kuipersveer 13 3274KH Heinenoord             | 97.623   | 426.174   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?N  | Kuipersveer 15 D 3274KH Heinenoord           | 97.562   | 426.295   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?O  | Kuipersveer 19 3274KH Heinenoord             | 97.545   | 426.312   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?P  | Kuipersveer 25 3274KH Heinenoord             | 97.526   | 426.343   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?Q  | Kuipersveer 21 3274KH Heinenoord             | 97.539   | 426.323   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?R  | Kuipersveer 35 3274KH Heinenoord             | 97.529   | 426.410   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?S  | Kuipersveer 15 C 3274KH Heinenoord           | 97.576   | 426.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ?TKuipersveer 17               | 3274KH Heinenoord  | 97.549   | 426.307   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| A Blaaksedijk West 28          | 3274LE Heinenoord  | 94.023   | 425.651   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •A Achterzeedijk 1 a 27        | 2991SB Barendrecht | 97.243   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AA Blaaksedijk West 26         | 3274LE Heinenoord  | 94.070   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aA Martin Luther Kingstraat 44 | 3274CL Heinenoord  | 92.526   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AB Doormanstraat 15            | 3274LK Heinenoord  | 94.658   | 425.375   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ab Rietwaard 22                | 3274MA Heinenoord  | 92.878   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aC Kalesland 68                | 3274CH Heinenoord  | 92.605   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AC Mollekade 11                | 3274LN Heinenoord  | 94.528   | 425.645   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aD Hermannushof 12             | 3274CE Heinenoord  | 92.541   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AD Boonsweg 55                 | 3274LH Heinenoord  | 95.277   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AE Doormanstraat 19            | 3274LK Heinenoord  | 94.664   | 425.387   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aE De Laagjes 24               | 3274CB Heinenoord  | 92.509   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AF Doormanstraat 35            | 3274LK Heinenoord  | 94.682   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| af Wouter van den Walestr 42   | 3274CS Heinenoord  | 92.361   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aG Avenhil 29                  | 3274CT Heinenoord  | 92.733   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AG Doormanstraat 12            | 3274LK Heinenoord  | 94.692   | 425.406   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aH Beatrixstraat 50            | 3274AA Heinenoord  | 92.212   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AH Mollekade 24 A              | 3274LP Heinenoord  | 94.553   | 425.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AI Doormanstraat 21            | 3274LK Heinenoord  | 94.667   | 425.394   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| al Martin Luther Kingstraat 38 | 3274CL Heinenoord  | 92.507   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aj Koomansland 34              | 3274CJ Heinenoord  | 92.445   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AJ de Ruyterstraat 6 B         | 3274LJ Heinenoord  | 94.524   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ak Martin Luther Kingstraat 20 | 3274CK Heinenoord  | 92.439   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AK Trompstraat 20              | 3274LT Heinenoord  | 94.635   | 425.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aL Spuibedelen 1               | 3274CM Heinenoord  | 92.531   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AL van Galenstraat 11          | 3274LV Heinenoord  | 94.534   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aM Oranjestraat 22             | 3274AK Heinenoord  | 92.188   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AM Gorzenweg 2                 | 3274LL Heinenoord  | 95.503   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AN Mollekade 17                | 3274LN Heinenoord  | 94.552   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aN Koomansland 15              | 3274CJ Heinenoord  | 92.474   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aO De Laagjes 34               | 3274CB Heinenoord  | 92.538   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AO Mollekade 21                | 3274LN Heinenoord  | 94.566   | 425.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AP de Ruyterstraat 10          | 3274LJ Heinenoord  | 94.658   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aP Boerengorzen 12             | 3274CV Heinenoord  | 92.754   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aQ Hermannushof 22             | 3274CE Heinenoord  | 92.582   | 426.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AQ Mollekade 3 A               | 3274LN Heinenoord  | 94.488   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aR Prof. Teldersstraat 17      | 3274CZ Heinenoord  | 92.799   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AR Doormanstraat 31            | 3274LK Heinenoord  | 94.676   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AS Gorzenweg 1 A               | 3274LL Heinenoord  | 95.716   | 425.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aS Avenhil 31                  | 3274CT Heinenoord  | 92.738   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AT de Ruyterstraat 4 A         | 3274LJ Heinenoord  | 94.527   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aT Martin Luther Kingstraat 4  | 3274CK Heinenoord  | 92.386   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aU Emmastraat 5                | 3274AC Heinenoord  | 92.231   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AU de Ruyterstraat 6 A         | 3274LJ Heinenoord  | 94.524   | 425.505   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aV Prof. Teldersstraat 33      | 3274MC Heinenoord  | 92.854   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AV Mollekade 13 A              | 3274LN Heinenoord  | 94.541   | 425.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aW Abraham Kuyperhof 6         | 3274CW Heinenoord  | 92.721   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AW Blaaksedijk West 15         | 3274LD Heinenoord  | 94.221   | 425.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aX Prof. Teldersstraat 9       | 3274CZ Heinenoord  | 92.801   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AX Doormanstraat 25            | 3274LK Heinenoord  | 94.672   | 425.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AY Blaaksedijk West 16 A       | 3274LE Heinenoord  | 94.260   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aY Andries Woutershof 6        | 3274CA Heinenoord  | 92.466   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AZ Gorzenweg 1                 | 3274LL Heinenoord  | 95.615   | 425.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aZ Beatrixstraat 25            | 3274AA Heinenoord  | 92.188   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| B Blaaksedijk West 49          | 3274LD Heinenoord  | 93.567   | 425.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •B Achterzeedijk 1 a 28        | 2991SB Barendrecht | 97.237   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bA Koomansland 9               | 3274CJ Heinenoord  | 92.450   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BA Nijverheidsweg 32           | 3274KJ Heinenoord  | 95.394   | 425.284   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BB Blaaksedijk West 19         | 3274LD Heinenoord  | 94.188   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bB Avenhil 22                  | 3274CT Heinenoord  | 92.711   | 426.950   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BC Mollekade 15                | 3274LN Heinenoord  | 94.545   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bC John F. Kennedystraat 87    | 3274CG Heinenoord  | 92.855   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name                                       | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord | 92.798   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BD  | Trompstraat 10 3274LT Heinenoord           | 94.621   | 425.414   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BE  | Mollekade 27 3274LN Heinenoord             | 94.617   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bE  | Irenestraat 17 3274AD Heinenoord           | 92.244   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BF  | Blaaksedijk West 21 3274LD Heinenoord      | 94.177   | 425.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bF  | Spuivelden 23 3274CM Heinenoord            | 92.578   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bg  | Kalesland 36 3274CH Heinenoord             | 92.534   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BG  | Piet Heinstraat 1 3274LR Heinenoord        | 94.628   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bH  | Kooimansland 4 3274CJ Heinenoord           | 92.414   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BH  | Mollekade 1 3274LN Heinenoord              | 94.478   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BI  | de Ruyterstraat 15 3274LJ Heinenoord       | 94.667   | 425.521   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bl  | Jan de Rooystraat 1 3274NA Heinenoord      | 92.628   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bJ  | Jan de Rooystraat 3 3274NA Heinenoord      | 92.627   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BJ  | Blaaksedijk West 14 3274LE Heinenoord      | 94.286   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bK  | Jan de Rooystraat 5 3274NA Heinenoord      | 92.626   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BK  | Mollekade 8 3274LP Heinenoord              | 94.518   | 425.481   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BL  | de Ruyterstraat 2 B 3274LJ Heinenoord      | 94.529   | 425.523   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bL  | Jan de Rooystraat 7 3274NA Heinenoord      | 92.623   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BM  | van Galenstraat 4 3274LV Heinenoord        | 94.587   | 425.507   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bM  | Jan de Rooystraat 9 3274NA Heinenoord      | 92.621   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BN  | Mollekade 23 A 3274LN Heinenoord           | 94.587   | 425.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bN  | Jan de Rooystraat 11 3274NA Heinenoord     | 92.620   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BO  | Blaaksedijk West 20 3274LE Heinenoord      | 94.165   | 425.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bO  | Jan de Rooystraat 13 3274NA Heinenoord     | 92.619   | 426.726   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bP  | Jan de Rooystraat 2 3274NA Heinenoord      | 92.663   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BP  | Doormanstraat 45 3274LK Heinenoord         | 94.686   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BQ  | de Ruyterstraat 4 B 3274LJ Heinenoord      | 94.526   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bQ  | Jan de Rooystraat 4 3274NA Heinenoord      | 92.662   | 426.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BR  | Nijverheidsweg 7 3274KJ Heinenoord         | 95.525   | 425.232   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bR  | Jan de Rooystraat 6 3274NA Heinenoord      | 92.660   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bS  | Jan de Rooystraat 8 3274NA Heinenoord      | 92.656   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BS  | Gorzenweg 9 3274LL Heinenoord              | 95.389   | 425.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bT  | Jan de Rooystraat 10 3274NA Heinenoord     | 92.655   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BT  | Mollekade 9 3274LN Heinenoord              | 94.520   | 425.612   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BU  | de Ruyterstraat 14 3274LJ Heinenoord       | 94.670   | 425.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bU  | Jan de Rooystraat 12 3274NA Heinenoord     | 92.654   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BV  | Boonsweg 69 3274LH Heinenoord              | 95.303   | 425.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bV  | Jan de Rooystraat 14 3274NA Heinenoord     | 92.652   | 426.730   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BW  | Boonsweg 65 3274LH Heinenoord              | 95.295   | 425.528   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bW  | Jan de Rooystraat 16 3274NA Heinenoord     | 92.651   | 426.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BX  | Trompstraat 14 3274LT Heinenoord           | 94.623   | 425.426   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bX  | Arie Jongekrijgstraat 1 3274NB Heinenoord  | 92.695   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BY  | Blaaksedijk West 18 3274LE Heinenoord      | 94.241   | 425.524   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bY  | Arie Jongekrijgstraat 3 3274NB Heinenoord  | 92.689   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BZ  | van Galenstraat 7 3274LV Heinenoord        | 94.596   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bZ  | Arie Jongekrijgstraat 5 3274NB Heinenoord  | 92.691   | 426.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| C   | Blaaksedijk West 34 3274LE Heinenoord      | 93.916   | 425.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht    | 97.235   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord | 92.677   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord       | 94.685   | 425.516   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord | 92.692   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CB  | Trompstraat 16 3274LT Heinenoord           | 94.633   | 425.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord | 92.709   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CC  | Blaaksedijk West 12 3274LE Heinenoord      | 94.347   | 425.489   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CD  | Boonsweg 14 3274LH Heinenoord              | 95.402   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord | 92.718   | 426.702   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CE  | Mollekade 10 3274LP Heinenoord             | 94.519   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord | 92.729   | 426.701   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CF  | Gorzenweg 5 3274LL Heinenoord              | 95.503   | 425.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord | 92.739   | 426.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord  | 92.715   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CG  | van Galenstraat 14 3274LV Heinenoord       | 94.576   | 425.452   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CH  | Trompstraat 22 3274LT Heinenoord           | 94.639   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 92.715   | 426.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 92.713   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 94.588   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 92.712   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CJ  | Mollekade 13 3274LN Heinenoord               | 94.534   | 425.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 92.718   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CK  | Doormanstraat 37 3274LK Heinenoord           | 94.683   | 425.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 92.710   | 426.761   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 94.577   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cM  | Arie Jongekrijgstraat 14 3274NB Heinenoord   | 92.709   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CM  | Boonsweg 12 3274LH Heinenoord                | 95.390   | 425.659   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CN  | Piet Heinstraat 2 3274LR Heinenoord          | 94.637   | 425.412   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cN  | Arie Jongekrijgstraat 16 3274NB Heinenoord   | 92.708   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cO  | Arie Jongekrijgstraat 18 3274NB Heinenoord   | 92.707   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CO  | Doormanstraat 33 3274LK Heinenoord           | 94.669   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CP  | Piet Heinstraat 3 3274LR Heinenoord          | 94.635   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cP  | Arie Jongekrijgstraat 20 3274NB Heinenoord   | 92.707   | 426.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cQ  | Opper Van Treurenstraat 2 3274ND Heinenoord  | 92.777   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CQ  | van Galenstraat 16 3274LV Heinenoord         | 94.572   | 425.446   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CR  | Gorzenweg 7 3274LL Heinenoord                | 95.464   | 425.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cR  | Opper Van Treurenstraat 4 3274ND Heinenoord  | 92.777   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CS  | Doormanstraat 27 3274LK Heinenoord           | 94.669   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cS  | Opper Van Treurenstraat 6 3274ND Heinenoord  | 92.776   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CT  | de Ruyterstraat 19 3274LJ Heinenoord         | 94.705   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cT  | Opper Van Treurenstraat 8 3274ND Heinenoord  | 92.776   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cU  | Opper Van Treurenstraat 10 3274ND Heinenoord | 92.775   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CU  | Trompstraat 12 3274LT Heinenoord             | 94.622   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CV  | Nijverheidsweg 47 3274KJ Heinenoord          | 95.465   | 425.302   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cV  | Opper Van Treurenstraat 12 3274ND Heinenoord | 92.775   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Doormanstraat 39 3274LK Heinenoord           | 94.684   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Opper Van Treurenstraat 14 3274ND Heinenoord | 92.775   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cX  | Opper Van Treurenstraat 16 3274ND Heinenoord | 92.774   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CX  | Boonsweg 6 3274LH Heinenoord                 | 95.351   | 425.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CY  | Piet Heinstraat 9 3274LR Heinenoord          | 94.658   | 425.445   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cY  | Opper Van Treurenstraat 18 3274ND Heinenoord | 92.774   | 426.808   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cZ  | Opper Van Treurenstraat 20 3274ND Heinenoord | 92.773   | 426.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CZ  | Nijverheidsweg 8 3274KJ Heinenoord           | 95.544   | 425.248   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| D   | Blaaksedijk West 41 3274LD Heinenoord        | 93.876   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •D  | Achterzeedijk 1 a 30 2991SB Barendrecht      | 97.225   | 427.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| da  | Opper Van Treurenstraat 22 3274ND Heinenoord | 92.773   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DA  | Boonsweg 4 3274LH Heinenoord                 | 95.346   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dB  | Opper Van Treurenstraat 24 3274ND Heinenoord | 92.773   | 426.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DB  | de Ruyterstraat 2 A 3274LJ Heinenoord        | 94.529   | 425.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dc  | Opper Van Treurenstraat 26 3274ND Heinenoord | 92.772   | 426.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DC  | van Galenstraat 1 3274LV Heinenoord          | 94.608   | 425.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DD  | Mollekade 7 3274LN Heinenoord                | 94.502   | 425.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dD  | Opper Van Treurenstraat 28 3274ND Heinenoord | 92.772   | 426.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DE  | Mollekade 4 3274LP Heinenoord                | 94.516   | 425.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dE  | Opper Van Treurenstraat 30 3274ND Heinenoord | 92.771   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DF  | Mollekade 2 3274LP Heinenoord                | 94.515   | 425.463   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dF  | Opper Van Treurenstraat 32 3274ND Heinenoord | 92.771   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dG  | Opper Van Treurenstraat 34 3274ND Heinenoord | 92.769   | 426.759   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DG  | van Galenstraat 28 3274LV Heinenoord         | 94.509   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DH  | Mollekade 6 3274LP Heinenoord                | 94.517   | 425.475   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dH  | Opper Van Treurenstraat 36 3274ND Heinenoord | 92.768   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dI  | Opper Van Treurenstraat 38 3274ND Heinenoord | 92.768   | 426.751   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DI  | Mollekade 26 C 3274LP Heinenoord             | 94.621   | 425.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DJ  | Mollekade 26 A 3274LP Heinenoord             | 94.605   | 425.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dJ  | Opper Van Treurenstraat 40 3274ND Heinenoord | 92.767   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DK  | Nijverheidsweg 36 3274KJ Heinenoord          | 95.512   | 425.322   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dK  | Opper Van Treurenstraat 42 3274ND Heinenoord | 92.767   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DL  | Doormanstraat 18 3274LK Heinenoord           | 94.705   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dL  | Opper Van Treurenstraat 44 3274ND Heinenoord | 92.766   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| dM  | Opper Van Treurenstraat 46 3274ND Heinenoord | 92.766   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DM  | de Ruyterstraat 9 3274LJ Heinenoord          | 94.591   | 425.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DN  | van Galenstraat 20 3274LV Heinenoord         | 94.530   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dN  | Opper Van Treurenstraat 48 3274ND Heinenoord | 92.765   | 426.731   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DO  | Mollekade 5 3274LN Heinenoord                | 94.497   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dO  | Opper Van Treurenstraat 50 3274ND Heinenoord | 92.765   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DP  | Mollekade 25 3274LN Heinenoord               | 94.598   | 425.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dP  | Opper Van Treurenstraat 52 3274ND Heinenoord | 92.765   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DQ  | Blaaksedijk West 17 3274LD Heinenoord        | 94.212   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 92.764   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 94.621   | 425.532   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 92.764   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 92.763   | 426.695   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 94.686   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 92.762   | 426.689   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DT  | Mollekade 19 3274LN Heinenoord               | 94.556   | 425.758   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 92.761   | 426.683   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DU  | Trompstraat 6 3274LT Heinenoord              | 94.618   | 425.404   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 92.761   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DV  | Trompstraat 24 3274LT Heinenoord             | 94.639   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 95.510   | 425.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 92.760   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 94.705   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 92.759   | 426.665   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 94.515   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 92.747   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 92.746   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 94.598   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 94.134   | 425.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 97.213   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 92.746   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 94.579   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 92.744   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 94.506   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 94.648   | 425.423   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 92.745   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 94.537   | 425.449   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 92.744   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 92.743   | 426.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 94.568   | 425.545   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 92.741   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EF  | Mollekade 26 3274LP Heinenoord               | 94.573   | 425.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 92.740   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 94.666   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 92.740   | 426.754   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 94.584   | 425.493   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 92.739   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 94.708   | 425.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 94.651   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 92.737   | 426.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 95.540   | 425.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 92.737   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 92.736   | 426.733   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 94.664   | 425.399   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 92.731   | 426.669   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 94.687   | 425.479   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EN  | Trompstraat 8 3274LT Heinenoord              | 94.619   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 92.723   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EO  | Trompstraat 4 3274LT Heinenoord              | 94.614   | 425.398   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 92.712   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 94.640   | 425.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 92.703   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 92.692   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.  | Name              | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|-------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |                   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| EQ van Galenstraat 13                      | 3274LV Heinenoord | 94.515   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eR Engel de Raatpad 12                     | 3274NC Heinenoord | 92.685   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ER Mollekade 12                            | 3274LP Heinenoord | 94.520   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eS Engel de Raatpad 14                     | 3274NC Heinenoord | 92.671   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ES van Galenstraat 22                      | 3274LV Heinenoord | 94.525   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ET Doormanstraat 29                        | 3274LK Heinenoord | 94.670   | 425.418   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eT Jan van Vlietstraat 1                   | 3274NE Heinenoord | 92.809   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eU Jan van Vlietstraat 3                   | 3274NE Heinenoord | 92.808   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EU Doormanstraat 17                        | 3274LK Heinenoord | 94.661   | 425.382   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eV Jan van Vlietstraat 5                   | 3274NE Heinenoord | 92.807   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EV Doormanstraat 10                        | 3274LK Heinenoord | 94.691   | 425.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eW Jan van Vlietstraat 7                   | 3274NE Heinenoord | 92.806   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EW Doormanstraat 14                        | 3274LK Heinenoord | 94.696   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EX Trompstraat 18                          | 3274LT Heinenoord | 94.634   | 425.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eX Jan van Vlietstraat 9                   | 3274NE Heinenoord | 92.805   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EY van Galenstraat 8                       | 3274LV Heinenoord | 94.582   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eY Jan van Vlietstraat 19                  | 3274NE Heinenoord | 92.795   | 426.692   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eZ Jan van Vlietstraat 21                  | 3274NE Heinenoord | 92.794   | 426.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EZ de Ruyterstraat 5                       | 3274LJ Heinenoord | 94.534   | 425.551   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| F Blaaksedijk West 55                      | 3274LD Heinenoord | 93.509   | 425.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •F Achterzeedijk 1 a 32 2991SB Barendrecht |                   | 97.204   | 427.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FA Trompstraat 26                          | 3274LT Heinenoord | 94.641   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fA Jan van Vlietstraat 23                  | 3274NE Heinenoord | 92.794   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FB van Galenstraat 24                      | 3274LV Heinenoord | 94.520   | 425.454   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fb Jan van Vlietstraat 25                  | 3274NE Heinenoord | 92.793   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FC van Galenstraat 3                       | 3274LV Heinenoord | 94.606   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fC Jan van Vlietstraat 27                  | 3274NE Heinenoord | 92.792   | 426.668   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fd Jan van Vlietstraat 29                  | 3274NE Heinenoord | 92.792   | 426.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FD Piet Heinstraat 6                       | 3274LR Heinenoord | 94.652   | 425.422   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE Wouter van den Walestr 11               | 3274CR Heinenoord | 92.402   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE De Ruyterstraat 13                      | 3274LJ Heinenoord | 94.644   | 425.519   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FF Mollekade 7 A                           | 3274LN Heinenoord | 94.515   | 425.591   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ff Wouter van den Walestr 13               | 3274CR Heinenoord | 92.402   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fG Wouter van den Walestr 15               | 3274CR Heinenoord | 92.403   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FG Blaaksedijk West 16                     | 3274LE Heinenoord | 94.251   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fh Wouter van den Walestr 17               | 3274CR Heinenoord | 92.403   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FH Oosteinde 5                             | 3274KB Heinenoord | 92.991   | 426.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fI Wouter van den Walestr 19               | 3274CR Heinenoord | 92.404   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FI Oosteinde 11                            | 3274KB Heinenoord | 92.959   | 426.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FJ Oosteinde 1                             | 3274KB Heinenoord | 93.032   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fj Wouter van den Walestr 21               | 3274CR Heinenoord | 92.404   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FK Oosteinde 3                             | 3274KB Heinenoord | 92.995   | 426.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fK Wouter van den Walestr 23               | 3274CR Heinenoord | 92.405   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FL Oud-Heinenoordseweg 9                   | 3274KD Heinenoord | 92.665   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fl Wouter van den Walestr 25               | 3274CR Heinenoord | 92.405   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fM Wouter van den Walestr 27               | 3274CR Heinenoord | 92.406   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FM Oud-Heinenoordseweg 3                   | 3274KD Heinenoord | 92.641   | 426.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FN Oosteinde 13                            | 3274KB Heinenoord | 92.956   | 426.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fn Wouter van den Walestr 29               | 3274CR Heinenoord | 92.406   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fO Wouter van den Walestr 31               | 3274CR Heinenoord | 92.407   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FO Oosteinde 7                             | 3274KB Heinenoord | 92.988   | 426.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fp Wouter van den Walestr 33               | 3274CR Heinenoord | 92.407   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FP Oosteinde 27                            | 3274KB Heinenoord | 92.815   | 426.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fQ Wouter van den Walestr 35               | 3274CR Heinenoord | 92.408   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FQ Oud-Heinenoordseweg 8                   | 3274KD Heinenoord | 92.698   | 426.370   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FR Oosteinde 25                            | 3274KB Heinenoord | 92.837   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fR Wouter van den Walestr 37               | 3274CR Heinenoord | 92.408   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FS Oud-Heinenoordseweg 10                  | 3274KD Heinenoord | 92.718   | 426.203   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fS Wouter van den Walestr 39               | 3274CR Heinenoord | 92.409   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Wouter van den Walestr 41               | 3274CR Heinenoord | 92.409   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Oud-Heinenoordseweg 7                   | 3274KD Heinenoord | 92.658   | 426.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fU Wouter van den Walestr 43               | 3274CR Heinenoord | 92.410   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FU Oud-Heinenoordseweg 1                   | 3274KD Heinenoord | 92.637   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord  | 92.410   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FV  | Oosteinde 19 3274KB Heinenoord               | 92.899   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fw  | Wouter van den Walestr 47 3274CR Heinenoord  | 92.411   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord      | 92.650   | 426.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fx  | Dorpsstraat 8 3274BD Heinenoord              | 92.409   | 426.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord     | 92.718   | 426.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord     | 92.679   | 426.498   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Jan van Vlietstraat 11 3274NE Heinenoord     | 92.800   | 426.765   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FZ  | Oosteinde 17 3274KB Heinenoord               | 92.930   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 92.799   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 93.599   | 425.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 97.202   | 427.574   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 92.684   | 426.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 92.799   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 92.798   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GB  | Oosteinde 21 3274KB Heinenoord               | 92.878   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GC  | Oosteinde 9 3274KB Heinenoord                | 92.969   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 92.798   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 92.673   | 426.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gd  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 92.797   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GE  | Oosteinde 31 3274KB Heinenoord               | 92.753   | 426.596   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 92.797   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 92.797   | 426.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 92.782   | 426.222   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GG  | Oosteinde 15 3274KB Heinenoord               | 92.945   | 426.559   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 92.681   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 92.679   | 426.741   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 92.683   | 426.492   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 92.679   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 92.698   | 426.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 92.994   | 426.566   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 92.677   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 93.254   | 426.304   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 93.014   | 426.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 92.672   | 426.438   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 93.343   | 426.207   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GM  | Oosteinde 29 3274KB Heinenoord               | 92.782   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gm  | Zomerlandseweg 4 3274LX Heinenoord           | 93.390   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 92.603   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 93.633   | 426.428   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 93.291   | 426.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 92.695   | 426.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gP  | Koedood 17 a 2993AL Barendrecht              | 93.423   | 428.241   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 92.721   | 426.424   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gQ  | Koedood 17 2993AL Barendrecht                | 93.478   | 428.194   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GQ  | Oosteinde 23 3274KB Heinenoord               | 92.852   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 92.331   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 95.724   | 427.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 92.583   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 96.194   | 427.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 95.698   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 92.453   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 92.154   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 95.754   | 427.762   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 96.138   | 427.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GV  | Avenhil 5 3274CT Heinenoord                  | 92.651   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 95.933   | 427.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 92.493   | 426.706   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 92.302   | 427.062   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 95.504   | 427.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 92.185   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 95.723   | 427.667   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 96.006   | 427.680   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| GZ Avenhil 37                  | 3274CT Heinenoord  | 92.725   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| H Reedijk 1                    | 3274KE Heinenoord  | 93.754   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •H Achterzeedijk 1 a 34        | 2991SB Barendrecht | 97.201   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hA Achterzeedijk 63            | 2992SB Barendrecht | 95.725   | 427.694   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HA Hermannushof 14             | 3274CE Heinenoord  | 92.548   | 426.704   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hb Achterzeedijk 67            | 2992SB Barendrecht | 95.724   | 427.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HB Marijkestraat 25            | 3274AJ Heinenoord  | 92.341   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hc Achterzeedijk 38            | 2992SC Barendrecht | 96.136   | 427.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HC Kalesland 3                 | 3274CH Heinenoord  | 92.524   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hd Achterzeedijk 47            | 2992SB Barendrecht | 95.955   | 427.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HD Prof. Teldersstraat 35      | 3274MC Heinenoord  | 92.853   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hE Achterzeedijk 39            | 2992SB Barendrecht | 96.103   | 427.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HE Marijkestraat 11            | 3274AJ Heinenoord  | 92.296   | 427.063   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hf Achterzeedijk 41            | 2992SB Barendrecht | 96.083   | 427.682   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HF John F. Kennedystraat 38    | 3274CG Heinenoord  | 92.808   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hg Achterzeedijk 64            | 2992SC Barendrecht | 95.495   | 427.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HG Oranjestraat 16             | 3274AK Heinenoord  | 92.161   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hh Achterzeedijk 71            | 2992SB Barendrecht | 95.702   | 427.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HH Boerengorzen 10             | 3274CV Heinenoord  | 92.755   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hI Achterzeedijk 59            | 2992SB Barendrecht | 95.779   | 427.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HI Kalesland 78                | 3274CH Heinenoord  | 92.592   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HJ Margrietstraat 18           | 3274AH Heinenoord  | 92.329   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hJ Achterzeedijk 42            | 2992SC Barendrecht | 95.997   | 427.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HK Martin Luther Kingstraat 60 | 3274CL Heinenoord  | 92.594   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hK Achterzeedijk 49            | 2992SB Barendrecht | 95.949   | 427.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hL Achterzeedijk 48            | 2992SC Barendrecht | 95.960   | 427.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HL Talmahof 7                  | 3274CN Heinenoord  | 92.435   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hM Achterzeedijk 60            | 2992SC Barendrecht | 95.562   | 428.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HM Kalesland 56                | 3274CH Heinenoord  | 92.580   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hn Achterzeedijk 58            | 2992SC Barendrecht | 95.709   | 427.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HN Emmastraat 22               | 3274AC Heinenoord  | 92.295   | 426.783   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hO Achterzeedijk 61            | 2992SB Barendrecht | 95.775   | 427.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HO John F. Kennedystraat 18    | 3274CG Heinenoord  | 92.727   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hP Achterzeedijk 40            | 2992SC Barendrecht | 96.111   | 427.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HP Martin Luther Kingstraat 32 | 3274CK Heinenoord  | 92.471   | 427.036   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HQ Dreeshof 1                  | 3274CC Heinenoord  | 92.521   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hq Achterzeedijk 61 b          | 2992SB Barendrecht | 95.750   | 427.757   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HR Buitenlanden 8              | 3274MB Heinenoord  | 92.927   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hr Achterzeedijk 56            | 2992SC Barendrecht | 95.856   | 427.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HS Heyne van Althenastraat 14  | 3274CD Heinenoord  | 92.431   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hS Achterzeedijk 73            | 2992SB Barendrecht | 95.698   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HT Prof. Teldersstraat 11      | 3274CZ Heinenoord  | 92.799   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hT Achterzeedijk 50            | 2992SC Barendrecht | 95.894   | 427.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hU Gorzenweg 10                | 3274LL Heinenoord  | 94.688   | 426.134   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HU Prof. Teldersstraat 16      | 3274MC Heinenoord  | 92.832   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HV John F. Kennedystraat 41    | 3274CG Heinenoord  | 92.519   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hV Gorzenweg 8                 | 3274LL Heinenoord  | 94.759   | 426.128   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hW Mollekade 31                | 3274LN Heinenoord  | 94.641   | 426.106   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HW Rietwaard 17                | 3274MA Heinenoord  | 92.876   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hX Mollekade 32                | 3274LP Heinenoord  | 94.741   | 426.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HX Koomansland 26              | 3274CJ Heinenoord  | 92.411   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hY Boonsweg 44                 | 3274LH Heinenoord  | 95.724   | 426.443   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HY Wouter van den Walestr 32   | 3274CR Heinenoord  | 92.333   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HZ Avenhil 14                  | 3274CT Heinenoord  | 92.676   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hZ Gorzenweg 6 A               | 3274LL Heinenoord  | 95.324   | 426.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| I Reedijk 1 A                  | 3274KE Heinenoord  | 93.788   | 425.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •I Achterzeedijk 1 a 35        | 2991SB Barendrecht | 97.194   | 427.540   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Avenhil 3                   | 3274CT Heinenoord  | 92.659   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iA Zomerlandseweg 9            | 3274LX Heinenoord  | 94.414   | 426.121   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB John F. Kennedystraat 40    | 3274CG Heinenoord  | 92.806   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Mollekade 29                | 3274LN Heinenoord  | 94.637   | 426.065   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iC Mollekade 28                | 3274LP Heinenoord  | 94.717   | 426.285   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Wouter van den Walestr 72   | 3274CS Heinenoord  | 92.370   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| ID  | Dreeshof 9 3274CC Heinenoord                  | 92.522   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iD  | Mollekade 39 3274LN Heinenoord                | 94.670   | 426.219   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE  | Thorbeckehof 1 3274CP Heinenoord              | 92.607   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iE  | Mollekade 41 3274LN Heinenoord                | 94.681   | 426.298   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF  | Spuivelden 25 3274CM Heinenoord               | 92.577   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iF  | Mollekade 47 3274LN Heinenoord                | 94.713   | 426.397   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iG  | Mollekade 45 3274LN Heinenoord                | 94.691   | 426.338   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG  | Wiardi Beckmanhof 8 3274CX Heinenoord         | 92.657   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH  | Talmahof 4 3274CN Heinenoord                  | 92.489   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 95.361   | 426.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 92.663   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ii  | Mollekade 43 3274LN Heinenoord                | 94.680   | 426.316   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 92.732   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 95.315   | 426.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | De Laagjes 12 3274CB Heinenoord               | 92.464   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | Mollekade 35 3274LN Heinenoord                | 94.652   | 426.161   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 95.481   | 425.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL  | Talmahof 11 3274CN Heinenoord                 | 92.436   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 92.604   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 94.940   | 426.314   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 92.852   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 95.240   | 425.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 92.561   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 93.458   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP  | Koimansland 32 3274CJ Heinenoord              | 92.446   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iP  | Stekkant 40 2993DB Barendrecht                | 94.060   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 92.780   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iQ  | Stekkant 33 2993DB Barendrecht                | 93.963   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Spieringwater 12 2993DM Barendrecht           | 94.127   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kalesland 52 3274CH Heinenoord                | 92.569   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iS  | Koedood 6 a 2993AL Barendrecht                | 93.774   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 92.500   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Avenhil 15 3274CT Heinenoord                  | 92.671   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iT  | Stekkant 107 2993DB Barendrecht               | 94.069   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 93.455   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 92.662   | 427.016   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 93.614   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Kalesland 19 3274CH Heinenoord                | 92.555   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iW  | Stekkant 2 2993DB Barendrecht                 | 93.941   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 92.203   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iX  | Müllerhaven 32 2993EA Barendrecht             | 93.829   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 92.472   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY  | Oranjestraat 11 B 3274AK Heinenoord           | 92.164   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iY  | Calandhaven 3 2993HL Barendrecht              | 93.498   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Stekkant 87 2993DB Barendrecht                | 94.073   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 92.579   | 426.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 93.524   | 425.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 97.189   | 427.522   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 92.513   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ja  | Meeshaven 5 2993HN Barendrecht                | 93.652   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 92.877   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Smithaven 4 2993EC Barendrecht                | 93.830   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Emmastraat 11 3274AC Heinenoord               | 92.253   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | Stekkant 13 2993DB Barendrecht                | 93.962   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 92.654   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 92.364   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| je  | Kröllehaven 12 2993ED Barendrecht             | 93.733   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Avenhil 9 3274CT Heinenoord                   | 92.633   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Stekkant 51 2993DB Barendrecht                | 93.956   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | De Laagjes 23 3274CB Heinenoord               | 92.499   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | Zalmwater 143 2993DX Barendrecht              | 94.104   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 92.194   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| jH  | Van Hobokenhaven 43 2993HH Barendrecht        | 93.455   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jI  | Müllerhaven 70 2993EA Barendrecht             | 93.830   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JI  | Rietwaard 20 3274MA Heinenoord                | 92.863   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jj  | Stekkant 89 2993DB Barendrecht                | 94.071   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 92.237   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jk  | Müllerhaven 36 2993EA Barendrecht             | 93.833   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 92.832   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 92.537   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jl  | Stekkant 73 2993DB Barendrecht                | 93.961   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 92.403   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jm  | Aalwater 20 2993DD Barendrecht                | 93.999   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jN  | Stekkant 111 2993DB Barendrecht               | 94.073   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 92.783   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Smithaven 6 2993EC Barendrecht                | 93.821   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Oosteinde 45 3274KB Heinenoord                | 92.627   | 426.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 92.369   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 92.291   | 426.989   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Smithaven 35 2993EC Barendrecht               | 93.707   | 428.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 92.439   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 93.824   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Stekkant 127 2993DB Barendrecht               | 94.066   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Kalesland 32 3274CH Heinenoord                | 92.533   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Van Hobokenhaven 61 2993HH Barendrecht        | 93.459   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Talmahof 2 3274CN Heinenoord                  | 92.489   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jU  | Smithaven 18 2993EC Barendrecht               | 93.764   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 92.213   | 426.773   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | Swarttouwhaven 52 2993HP Barendrecht          | 93.503   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 92.871   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Kabbelkant 6 2993DC Barendrecht               | 94.010   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 92.519   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Meeshaven 7 2993HN Barendrecht                | 93.653   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 92.331   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 92.531   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 92.292   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 93.579   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 93.552   | 425.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 97.186   | 427.580   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 93.497   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Talmahof 8 3274CN Heinenoord                  | 92.490   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 93.497   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Irenestraat 28 3274AE Heinenoord              | 92.285   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 92.501   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Van Hobokenhaven 27 2993HH Barendrecht        | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 92.239   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 92.522   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 93.859   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 93.583   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 92.401   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Stekkant 147 2993DB Barendrecht               | 94.069   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Emmastraat 30 3274AC Heinenoord               | 92.214   | 426.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 92.354   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Van Hobokenhaven 59 2993HH Barendrecht        | 93.454   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Aalwater 4 2993DD Barendrecht                 | 93.959   | 428.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Emmastraat 32 3274AC Heinenoord               | 92.208   | 426.810   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 92.289   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 93.761   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | De Laagjes 21 3274CB Heinenoord               | 92.500   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | Aalwater 19 2993DD Barendrecht                | 94.000   | 428.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Steurwater 13 2993DE Barendrecht              | 93.944   | 428.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 92.887   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                            | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| KM Irenestraat 3               | 3274AD Heinenoord    | 92.236   | 426.951   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KM Vederhaven 3                | 2993EB Barendrecht   | 93.772   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Van Hobokenhaven 39         | 2993HH Barendrecht   | 93.459   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Irenestraat 36              | 3274AE Heinenoord    | 92.272   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Emmastraat 20               | 3274AC Heinenoord    | 92.289   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Müllerhaven 8               | 2993EA Barendrecht   | 93.832   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Steekkant 129               | 2993DB Barendrecht   | 94.067   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Oosteinde 41                | 3274KB Heinenoord    | 92.653   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ Steekkant 149               | 2993DB Barendrecht   | 94.067   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ John F. Kennedystraat 35    | 3274CG Heinenoord    | 92.502   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Avenhil 30                  | 3274CT Heinenoord    | 92.734   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Smithaven 59                | 2993EC Barendrecht   | 93.702   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS Ruyshaven 4                 | 2993HM Barendrecht   | 93.551   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS John F. Kennedystraat 55    | 3274CG Heinenoord    | 92.593   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Martin Luther Kingstraat 34 | 3274CL Heinenoord    | 92.495   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Swarttouwhaven 10           | 2993HP Barendrecht   | 93.585   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Steekkant 109               | 2993DB Barendrecht   | 94.071   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Koomansland 6               | 3274CJ Heinenoord    | 92.414   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Boerengorzen 8              | 3274CV Heinenoord    | 92.749   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Müllerhaven 42              | 2993EA Barendrecht   | 93.833   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kW Müllerhaven 48              | 2993EA Barendrecht   | 93.826   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KW Margrietstraat 20           | 3274AH Heinenoord    | 92.329   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Dorpsstraat 1 A             | 3274BB Heinenoord    | 92.553   | 426.618   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Kröllerhaven 53             | 2993ED Barendrecht   | 93.744   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY Steekkant 57                | 2993DB Barendrecht   | 93.962   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY John F. Kennedystraat 5     | 3274CG Heinenoord    | 92.402   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kalesland 72                | 3274CH Heinenoord    | 92.605   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kröllerhaven 23             | 2993ED Barendrecht   | 93.860   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| L Reedijk 2                    | 3274KE Heinenoord    | 93.694   | 425.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •L Achterzeedijk 1 a 38        | 2991SB Barendrecht   | 97.175   | 427.568   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LA John F. Kennedystraat 67    | 3274CG Heinenoord    | 92.708   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Ruyshaven 8                 | 2993HM Barendrecht   | 93.556   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LB Wouter van den Walestr      | 28 3274CR Heinenoord | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Swarttouwhaven 44           | 2993HP Barendrecht   | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Müllerhaven 56              | 2993EA Barendrecht   | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LC Dreeshof 11                 | 3274CC Heinenoord    | 92.522   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LD John F. Kennedystraat 22    | 3274CG Heinenoord    | 92.736   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ID Steekkant 22                | 2993DB Barendrecht   | 94.033   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LE Kalesland 18                | 3274CH Heinenoord    | 92.498   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE Meeshaven 2                 | 2993HN Barendrecht   | 93.625   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF Aalwater 14                 | 2993DD Barendrecht   | 93.984   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LF Koomansland 18              | 3274CJ Heinenoord    | 92.388   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG Steekkant 55                | 2993DB Barendrecht   | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LG Boerengorzen 4              | 3274CV Heinenoord    | 92.749   | 426.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LH Julianalaan 40              | 3274AG Heinenoord    | 92.149   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH Steekkant 77                | 2993DB Barendrecht   | 93.966   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II Steekkant 115               | 2993DB Barendrecht   | 94.076   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LI John F. Kennedystraat 13    | 3274CG Heinenoord    | 92.408   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ Kröllerhaven 37             | 2993ED Barendrecht   | 93.819   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LJ Rietwaard 24                | 3274MA Heinenoord    | 92.894   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK Kröllerhaven 39             | 2993ED Barendrecht   | 93.810   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LK Heyne van Althenastraat 30  | 3274CD Heinenoord    | 92.525   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LL Kalesland 7                 | 3274CH Heinenoord    | 92.523   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL Swarttouwhaven 30           | 2993HP Barendrecht   | 93.498   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LM Julianalaan 46              | 3274AG Heinenoord    | 92.159   | 427.083   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM Steekkant 19                | 2993DB Barendrecht   | 93.966   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LN Marijkestraat 1 B           | 3274AJ Heinenoord    | 92.231   | 427.075   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN Steekkant 12                | 2993DB Barendrecht   | 93.974   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO Müllerhaven 24              | 2993EA Barendrecht   | 93.834   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LO Irenestraat 10              | 3274AE Heinenoord    | 92.256   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP Spieringwater 8             | 2993DM Barendrecht   | 94.126   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LP Wiardi Beckmanhof 7         | 3274CX Heinenoord    | 92.663   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ Kröllerhaven 51             | 2993ED Barendrecht   | 93.754   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| LQ  | Spuivelden 8 3274CM Heinenoord                | 92.576   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord      | 92.853   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kabbelkant 2 2993DC Barendrecht               | 94.009   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Steekkant 10 2993DB Barendrecht               | 93.969   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LS  | Beatrixstraat 34 3274AA Heinenoord            | 92.201   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LT  | Marijkestraat 2 3274AJ Heinenoord             | 92.226   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Swarttouwhaven 20 2993HP Barendrecht          | 93.499   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord | 92.420   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Kabbelkant 8 2993DC Barendrecht               | 94.011   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Koedood 8 2993AL Barendrecht                  | 93.740   | 428.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LV  | Rietwaard 5 3274MA Heinenoord                 | 92.841   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord   | 92.438   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Kröllehaven 41 2993ED Barendrecht             | 93.800   | 428.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LX  | Rietwaard 6 3274MA Heinenoord                 | 92.809   | 426.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Steekkant 63 2993DB Barendrecht               | 93.955   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord    | 92.799   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY  | Steekkant 101 2993DB Barendrecht              | 94.071   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LZ  | Avenhil 36 3274CT Heinenoord                  | 92.723   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Steekkant 1 2993DB Barendrecht                | 93.956   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| M   | Reedijk 3 3274KE Heinenoord                   | 93.749   | 425.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht       | 97.168   | 427.550   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MA  | Irenestraat 26 3274AE Heinenoord              | 92.279   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mA  | Müllerhaven 58 2993EA Barendrecht             | 93.825   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mb  | Steekkant 15 2993DB Barendrecht               | 93.960   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord       | 92.800   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mC  | Müllerhaven 12 2993EA Barendrecht             | 93.833   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MC  | Oranjestraat 26 3274AK Heinenoord             | 92.200   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mD  | Steekkant 133 2993DB Barendrecht              | 94.075   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MD  | Avenhil 23 3274CT Heinenoord                  | 92.710   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mE  | Aalwater 13 2993DD Barendrecht                | 93.982   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ME  | Dorpsstraat 1 3274BB Heinenoord               | 92.476   | 426.622   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mF  | Swarttouwhaven 24 2993HP Barendrecht          | 93.499   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MF  | Kalesland 58 3274CH Heinenoord                | 92.596   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord   | 92.361   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mG  | Steekkant 37 2993DB Barendrecht               | 93.964   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mH  | Kabbelkant 4 2993DC Barendrecht               | 94.010   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MH  | Irenestraat 48 3274AE Heinenoord              | 92.309   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Avenhil 13 3274CT Heinenoord                  | 92.682   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Steurwater 5 2993DE Barendrecht               | 93.941   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mJ  | Vederhaven 11 2993EB Barendrecht              | 93.751   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MJ  | Kalesland 1 3274CH Heinenoord                 | 92.524   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mK  | Swarttouwhaven 48 2993HP Barendrecht          | 93.496   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MK  | Koomansland 5 3274CJ Heinenoord               | 92.449   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ML  | Margrietstraat 9 3274AH Heinenoord            | 92.288   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mL  | Steekkant 153 2993DB Barendrecht              | 94.065   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MM  | Emmastraat 16 3274AC Heinenoord               | 92.279   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mm  | Steekkant 24 2993DB Barendrecht               | 94.031   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MN  | Irenestraat 1 3274AD Heinenoord               | 92.232   | 426.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mN  | Steekkant 16 2993DB Barendrecht               | 93.985   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mO  | Steekkant 14 2993DB Barendrecht               | 93.980   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MO  | Avenhil 10 3274CT Heinenoord                  | 92.633   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MP  | Spuivelden 15 3274CM Heinenoord               | 92.578   | 426.840   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mP  | Smithaven 2 2993EC Barendrecht                | 93.839   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord        | 92.700   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mQ  | Aalwater 8 2993DD Barendrecht                 | 93.969   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MR  | Talmahof 9 3274CN Heinenoord                  | 92.435   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mR  | Steekkant 53 2993DB Barendrecht               | 93.959   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mS  | Smithaven 43 2993EC Barendrecht               | 93.705   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MS  | Beatrixstraat 48 3274AA Heinenoord            | 92.211   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mT  | Müllerhaven 72 2993EA Barendrecht             | 93.832   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MT  | De Laagjes 26 3274CB Heinenoord               | 92.515   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MU  | Bernhardstraat 6 3274AB Heinenoord            | 92.233   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mU  | Smithaven 14 2993EC Barendrecht               | 93.783   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| MV Wiardi Beckmanhof 11        | 3274CX Heinenoord  | 92.674   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mV Van Hobokenhaven 45         | 2993HH Barendrecht | 93.458   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mW Steekkant 48                | 2993DB Barendrecht | 94.081   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MW Julianalaan 42              | 3274AG Heinenoord  | 92.154   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MX De Laagjes 22               | 3274CB Heinenoord  | 92.502   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mX Steekkant 75                | 2993DB Barendrecht | 93.957   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mY Steekkant 91                | 2993DB Barendrecht | 94.069   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MY Kooimansland 13             | 3274CJ Heinenoord  | 92.469   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mZ Aalwater 18                 | 2993DD Barendrecht | 93.994   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MZ Kalesland 46                | 3274CH Heinenoord  | 92.560   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| N Blaaksedijk West 31          | 3274LD Heinenoord  | 94.016   | 425.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht | 97.158   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NA Spuivelden 9                | 3274CM Heinenoord  | 92.530   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nA Aalwater 16                 | 2993DD Barendrecht | 93.989   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nB Steekkant 17                | 2993DB Barendrecht | 93.960   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord  | 92.525   | 426.966   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NC Irenestraat 20              | 3274AE Heinenoord  | 92.261   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nC Zalmwater 155               | 2993DX Barendrecht | 94.060   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ND Oranjestraat 31             | 3274AK Heinenoord  | 92.285   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nd Müllerhaven 60              | 2993EA Barendrecht | 93.830   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nE Swarttouwhaven 18           | 2993HP Barendrecht | 93.502   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NE Kalesland 28                | 3274CH Heinenoord  | 92.525   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nF Zalmwater 151               | 2993DX Barendrecht | 94.079   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord  | 92.561   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord  | 92.868   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht | 93.456   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nH Smithaven 33                | 2993EC Barendrecht | 93.708   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NH Dorpsstraat 7               | 3274BB Heinenoord  | 92.395   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nI Müllerhaven 4               | 2993EA Barendrecht | 93.828   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NI Kalesland 64                | 3274CH Heinenoord  | 92.596   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nJ Smithaven 39                | 2993EC Barendrecht | 93.706   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NJ Andries Woutershof 8        | 3274CA Heinenoord  | 92.473   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NK Beatrixstraat 23            | 3274AA Heinenoord  | 92.186   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nK Müllerhaven 10              | 2993EA Barendrecht | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord  | 92.800   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nL Steekkant 131               | 2993DB Barendrecht | 94.069   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NM Oosteinde 24                | 3274KC Heinenoord  | 92.685   | 426.638   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nN Steekkant 23                | 2993DB Barendrecht | 93.955   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord  | 92.801   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NO Kooimansland 1              | 3274CJ Heinenoord  | 92.450   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nO Steekkant 50                | 2993DB Barendrecht | 94.087   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NP Buitenlanden 21             | 3274MB Heinenoord  | 92.902   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nP Steekkant 20                | 2993DB Barendrecht | 93.995   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nQ Müllerhaven 64              | 2993EA Barendrecht | 93.835   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NQ Marliquestraat 9            | 3274AJ Heinenoord  | 92.285   | 427.067   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nR Kröllerhaven 15             | 2993ED Barendrecht | 93.862   | 428.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord  | 92.788   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nS Steekkant 79                | 2993DB Barendrecht | 93.961   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord  | 92.808   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NT Kalesland 6                 | 3274CH Heinenoord  | 92.480   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nT Steekkant 35                | 2993DB Barendrecht | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nU Kröllerhaven 33             | 2993ED Barendrecht | 93.837   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NU Kooimansland 2              | 3274CJ Heinenoord  | 92.415   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord  | 92.742   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nV Swarttouwhaven 38           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord  | 92.453   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nW Kabbelkant 16               | 2993DC Barendrecht | 94.014   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht | 93.458   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NX Oosteinde 16                | 3274KC Heinenoord  | 92.757   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NY Irenestraat 19              | 3274AD Heinenoord  | 92.246   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nY Meeshaven 18                | 2993HN Barendrecht | 93.637   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NZ Bernhardstraat 4            | 3274AB Heinenoord  | 92.227   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| nZ Ruyshaven 7                 | 2993HM Barendrecht | 93.583   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| O Blaaksedijk West 32          | 3274LE Heinenoord  | 93.953   | 425.690   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht | 97.153   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OA Boerengorzen 2              | 3274CV Heinenoord  | 92.753   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oA Müllerhaven 62              | 2993EA Barendrecht | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oB Smithaven 27                | 2993EC Barendrecht | 93.709   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord  | 92.386   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oC Aalwater 21                 | 2993DD Barendrecht | 94.015   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord  | 92.824   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oD Swarttouwhaven 56           | 2993HP Barendrecht | 93.506   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OD Irenestraat 44              | 3274AE Heinenoord  | 92.296   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OE Kalesland 22                | 3274CH Heinenoord  | 92.508   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oE Van Hobokenhaven 21         | 2993HH Barendrecht | 93.453   | 428.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OF Marijkestraat 4             | 3274AJ Heinenoord  | 92.232   | 427.051   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oF Kröllerhaven 27             | 2993ED Barendrecht | 93.859   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OG Wiardi Beckmanhof 1         | 3274CX Heinenoord  | 92.661   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oG Kröllerhaven 19             | 2993ED Barendrecht | 93.861   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OH Emmastraat 2 F              | 3274AC Heinenoord  | 92.220   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oH Ruyshaven 2                 | 2993HM Barendrecht | 93.551   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OI Koomansland 22              | 3274CJ Heinenoord  | 92.398   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oI Koedood 2 b                 | 2993AL Barendrecht | 93.846   | 428.476   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ Prof. Teldersstraat 26      | 3274MC Heinenoord  | 92.857   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oJ Swarttouwhaven 60           | 2993HP Barendrecht | 93.501   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OK Avenhil 12                  | 3274CT Heinenoord  | 92.653   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oK Müllerhaven 28              | 2993EA Barendrecht | 93.834   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oL Spieringwater 14            | 2993DM Barendrecht | 94.128   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OL Martin Luther Kingstraat 46 | 3274CL Heinenoord  | 92.532   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oM Aalwater 7                  | 2993DD Barendrecht | 93.967   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OM Heyne van Althenastraat 10  | 3274CD Heinenoord  | 92.434   | 426.746   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oN Steekkant 34                | 2993DB Barendrecht | 94.029   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ON Rietwaard 10                | 3274MA Heinenoord  | 92.812   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oO Steekkant 61                | 2993DB Barendrecht | 93.965   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OO Martin Luther Kingstraat 62 | 3274CL Heinenoord  | 92.599   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OP Avenhil 40                  | 3274CT Heinenoord  | 92.701   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oP Steekkant 167               | 2993DB Barendrecht | 94.129   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OQ Emmastraat 28               | 3274AC Heinenoord  | 92.225   | 426.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oQ Van Hobokenhaven 57         | 2993HH Barendrecht | 93.462   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oR Steekkant 159               | 2993DB Barendrecht | 94.069   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OR Avenhil 16                  | 3274CT Heinenoord  | 92.666   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OS Irenestraat 46              | 3274AE Heinenoord  | 92.303   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oS Kröllerhaven 21             | 2993ED Barendrecht | 93.860   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oT Ruyshaven 6                 | 2993HM Barendrecht | 93.555   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OT Kalesland 5                 | 3274CH Heinenoord  | 92.524   | 426.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OU Oranjestraat 29             | 3274AK Heinenoord  | 92.278   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oU Koedood 18                  | 2993AL Barendrecht | 93.530   | 428.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OV Prof. Teldersstraat 49      | 3274MC Heinenoord  | 92.877   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oV Van Hobokenhaven 67         | 2993HH Barendrecht | 93.452   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oW Swarttouwhaven 54           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OW Irenestraat 16              | 3274AE Heinenoord  | 92.260   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oX Kabbelkant 10               | 2993DC Barendrecht | 94.011   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OX De Laagjes 16               | 3274CB Heinenoord  | 92.486   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oY Smithaven 8                 | 2993EC Barendrecht | 93.812   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OY Wouter van den Walestr 52   | 3274CS Heinenoord  | 92.362   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oZ Müllerhaven 26              | 2993EA Barendrecht | 93.828   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ Martin Luther Kingstraat 24 | 3274CK Heinenoord  | 92.451   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| P Blaaksedijk West 33          | 3274LD Heinenoord  | 94.002   | 425.633   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •P Achterzeedijk 1 a 42        | 2991SB Barendrecht | 97.152   | 427.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PA Wouter van den Walestr 76   | 3274CS Heinenoord  | 92.366   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pA Steekkant 163               | 2993DB Barendrecht | 94.078   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pB Steekkant 93                | 2993DB Barendrecht | 94.071   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PB Avenhil 20                  | 3274CT Heinenoord  | 92.705   | 426.937   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PC Martin Luther Kingstraat 10 | 3274CK Heinenoord  | 92.408   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pC Van Hobokenhaven 23         | 2993HH Barendrecht | 93.453   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 92.335   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 93.504   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pE  | Stekkant 32 2993DB Barendrecht                | 94.029   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 92.867   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pF  | Stekkant 99 2993DB Barendrecht                | 94.073   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 92.780   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pG  | Smithaven 10 2993EC Barendrecht               | 93.803   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 92.678   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pH  | Aalwater 1 2993DD Barendrecht                 | 93.941   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PH  | Rietwaard 2 3274MA Heinenoord                 | 92.810   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 92.729   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pI  | Stekkant 161 2993DB Barendrecht               | 94.077   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pJ  | Kröllehaven 2 2993ED Barendrecht              | 93.779   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 92.235   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pK  | Smithaven 21 2993EC Barendrecht               | 93.710   | 428.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 92.831   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PL  | Kalesland 10 3274CH Heinenoord                | 92.480   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PM  | Avenhil 6 3274CT Heinenoord                   | 92.633   | 426.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pM  | Stekkant 139 2993DB Barendrecht               | 94.077   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pN  | Zalmwater 139 2993DX Barendrecht              | 94.117   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 92.788   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pO  | Kröllehaven 47 2993ED Barendrecht             | 93.772   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PO  | Kalesland 26 3274CH Heinenoord                | 92.519   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pP  | Stekkant 9 2993DB Barendrecht                 | 93.960   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 92.831   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 92.464   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 93.972   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PR  | Hermannushof 10 3274CE Heinenoord             | 92.535   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pR  | Stekkant 95 2993DB Barendrecht                | 94.073   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 93.571   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 92.498   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pT  | Smithaven 25 2993EC Barendrecht               | 93.709   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 92.330   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 92.578   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 93.542   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pV  | Smithaven 23 2993EC Barendrecht               | 93.710   | 428.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PV  | Irenestraat 12 3274AE Heinenoord              | 92.258   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pW  | Stekkant 28 2993DB Barendrecht                | 94.030   | 428.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 92.624   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 93.834   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 92.433   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pY  | Stekkant 5 2993DB Barendrecht                 | 93.956   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 92.831   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 92.213   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Q   | Blaaksedijk West 47 3274LD Heinenoord         | 93.612   | 425.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 97.150   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 93.827   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 92.860   | 426.635   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QB  | Koimansland 12 3274CJ Heinenoord              | 92.405   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qb  | Stekkant 6 2993DB Barendrecht                 | 93.959   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 92.202   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qC  | Stekkant 25 2993DB Barendrecht                | 93.961   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QD  | Avenhil 11 3274CT Heinenoord                  | 92.633   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qD  | Smithaven 51 2993EC Barendrecht               | 93.704   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QE  | De Laagjes 17 3274CB Heinenoord               | 92.501   | 426.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qE  | Müllerhaven 22 2993EA Barendrecht             | 93.830   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Stekkant 143 2993DB Barendrecht               | 94.073   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Marijkestraat 7 3274AJ Heinenoord             | 92.278   | 427.068   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 93.557   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QG  | Avenhil 34 3274CT Heinenoord                  | 92.711   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qH  | Stekkant 7 2993DB Barendrecht                 | 93.956   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| QH  | Koomansland 14 3274CJ Heinenoord              | 92.405   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QI  | Irenestraat 13 3274AD Heinenoord              | 92.242   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qI  | Stekkant 45 2993DB Barendrecht                | 93.958   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ  | Martin Luther Kingstraat 68 3274CL Heinenoord | 92.619   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qJ  | Koedood 25 2993AL Barendrecht                 | 93.183   | 428.725   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord      | 92.799   | 427.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qK  | Stekkant 47 2993DB Barendrecht                | 93.955   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QL  | Andries Woutershof 24 3274CA Heinenoord       | 92.503   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qL  | Aalwater 10 2993DD Barendrecht                | 93.974   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht        | 93.463   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QM  | De Laagjes 19 3274CB Heinenoord               | 92.500   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QN  | Kalesland 38 3274CH Heinenoord                | 92.540   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qN  | Müllerhaven 46 2993EA Barendrecht             | 93.827   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qO  | Müllerhaven 68 2993EA Barendrecht             | 93.835   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QO  | Marijkestraat 21 3274AJ Heinenoord            | 92.328   | 427.057   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qP  | Steurwater 1 2993DE Barendrecht               | 93.940   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QP  | De Laagjes 4 3274CB Heinenoord                | 92.440   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord    | 92.428   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qQ  | Koedood 6 2993AL Barendrecht                  | 93.795   | 428.465   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qR  | Zalmwater 157 2993DX Barendrecht              | 94.060   | 428.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QR  | Bernhardstraat 3 3274AB Heinenoord            | 92.201   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qS  | Spieringwater 4 2993DM Barendrecht            | 94.126   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QS  | Oosteinde 37 3274KB Heinenoord                | 92.676   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QT  | De Laagjes 28 3274CB Heinenoord               | 92.520   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qT  | Spieringwater 10 2993DM Barendrecht           | 94.127   | 428.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QU  | Thorbeckehof 3 3274CP Heinenoord              | 92.607   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qU  | Spieringwater 2 2993DM Barendrecht            | 94.125   | 428.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qV  | Stekkant 54 2993DB Barendrecht                | 94.098   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QV  | De Laagjes 20 3274CB Heinenoord               | 92.498   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QW  | Buitelanden 4 3274MB Heinenoord               | 92.916   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qW  | Swarttouwhaven 62 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord        | 92.700   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qX  | Steurwater 11 2993DE Barendrecht              | 93.942   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QY  | Emmastraat 2 E 3274AC Heinenoord              | 92.225   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qY  | Swarttouwhaven 36 2993HP Barendrecht          | 93.503   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qZ  | Kabbelkant 14 2993DC Barendrecht              | 94.012   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ  | Koomansland 8 3274CJ Heinenoord               | 92.414   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| R   | Blaaksedijk West 24 3274LE Heinenoord         | 94.107   | 425.624   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht       | 97.144   | 427.538   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord    | 92.496   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rA  | Stekkant 41 2993DB Barendrecht                | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rB  | Stekkant 81 2993DB Barendrecht                | 93.962   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RB  | Boerengorzen 3 3274CV Heinenoord              | 92.780   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RC  | Kalesland 70 3274CH Heinenoord                | 92.605   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rC  | Koedood 14 2993AL Barendrecht                 | 93.601   | 428.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rD  | Müllerhaven 40 2993EA Barendrecht             | 93.825   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord        | 92.765   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rE  | Aalwater 11 2993DD Barendrecht                | 93.977   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RE  | Avenhil 28 3274CT Heinenoord                  | 92.724   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rF  | Smithaven 37 2993EC Barendrecht               | 93.707   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RF  | Oosteinde 22 3274KC Heinenoord                | 92.697   | 426.642   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht        | 93.460   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RG  | Andries Woutershof 16 3274CA Heinenoord       | 92.494   | 426.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rH  | Aalwater 15 2993DD Barendrecht                | 93.987   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord      | 92.873   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rI  | Stekkant 85 2993DB Barendrecht                | 94.010   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RI  | Emmastraat 34 3274AC Heinenoord               | 92.196   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rJ  | Zalmwater 141 2993DX Barendrecht              | 94.111   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RJ  | Oranjestraat 23 3274AK Heinenoord             | 92.259   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord    | 92.862   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rK  | Smithaven 12 2993EC Barendrecht               | 93.794   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rL  | Stekkant 44 2993DB Barendrecht                | 94.071   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord  | 92.428   | 426.723   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                            | Name                | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|---------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                     |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| RM Oranjestraat 17             | 3274AK Heinenoord   | 92.221   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rM Steekkant 4                 | 2993DB Barendrecht  | 93.954   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RN Buitenlanden 13             | 3274MB Heinenoord   | 92.894   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rN Van Hobokenhaven 37         | 2993HH Barendrecht  | 93.460   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RO Bernhardstraat 2            | 3274AB Heinenoord   | 92.220   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rO Van Hobokenhaven 19         | 2993HH Barendrecht  | 93.459   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RP Buitenlanden 17             | 3274MB Heinenoord   | 92.902   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rP Calandhaven 1               | 2993HL Barendrecht  | 93.488   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rQ Koedood 22                  | 2993AL Barendrecht  | 93.468   | 428.458   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RQ Marijkestraat 1             | C 3274AJ Heinenoord | 92.240   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RR Irenestraat 40              | 3274AE Heinenoord   | 92.284   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rR Aalwater 2                  | 2993DD Barendrecht  | 93.946   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rS Steekkant 103               | 2993DB Barendrecht  | 94.069   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RS Bernhardstraat 16           | 3274AB Heinenoord   | 92.264   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RT Buitenlanden 12             | 3274MB Heinenoord   | 92.929   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rT Aalwater 5                  | 2993DD Barendrecht  | 93.962   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rU Kröllerhaven 31             | 2993ED Barendrecht  | 93.857   | 428.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RU Wouter van den Walestr 26   | 3274CR Heinenoord   | 92.329   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rV Smithaven 53                | 2993EC Barendrecht  | 93.703   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RV Boerengorzen 9              | 3274CV Heinenoord   | 92.781   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rW Müllerhaven 30              | 2993EA Barendrecht  | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RW Emmastraat 3                | 3274AC Heinenoord   | 92.223   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rX Swarttouwhaven 58           | 2993HP Barendrecht  | 93.503   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RX De Laagjes 2                | 3274CB Heinenoord   | 92.436   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rY Vederhaven 15               | 2993EB Barendrecht  | 93.740   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RY Koomansland 28              | 3274CJ Heinenoord   | 92.417   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rZ Smithaven 57                | 2993EC Barendrecht  | 93.703   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RZ Prof. Teldersstraat 31      | 3274MC Heinenoord   | 92.850   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| S Reedijs 3 A                  | 3274KE Heinenoord   | 93.739   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •S Achterzeedijk 1 a 45        | 2991SB Barendrecht  | 97.138   | 427.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sA Swarttouwhaven 26           | 2993HP Barendrecht  | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SA Wouter van den Walestr 18   | 3274CR Heinenoord   | 92.333   | 426.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SB Oranjestraat 15             | 3274AK Heinenoord   | 92.215   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sB Smithaven 29                | 2993EC Barendrecht  | 93.708   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SC Heyne van Althenastraat 26  | 3274CD Heinenoord   | 92.476   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sC Steekkant 145               | 2993DB Barendrecht  | 94.071   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SD Martin Luther Kingstraat 48 | 3274CL Heinenoord   | 92.538   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sD Aalwater 3                  | 2993DD Barendrecht  | 93.957   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SE Willem de Zwijgerstraat 8   | 3274AL Heinenoord   | 92.161   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sE Zalmwater 153               | 2993DX Barendrecht  | 94.071   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SF John F. Kennedystraat 36    | 3274CG Heinenoord   | 92.809   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sF Vederhaven 17               | 2993EB Barendrecht  | 93.734   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SG Wouter van den Walestr 44   | 3274CS Heinenoord   | 92.362   | 426.956   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sG Swarttouwhaven 34           | 2993HP Barendrecht  | 93.503   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SH Wiardi Beckmanhof 12        | 3274CX Heinenoord   | 92.678   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sH Müllerhaven 76              | 2993EA Barendrecht  | 93.836   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SI Margrietstraat 14           | 3274AH Heinenoord   | 92.322   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sI Meeshaven 14                | 2993HN Barendrecht  | 93.628   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sJ Smithaven 20                | 2993EC Barendrecht  | 93.755   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SJ Prof. Teldersstraat 43      | 3274MC Heinenoord   | 92.877   | 427.033   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK De Laagjes 18               | 3274CB Heinenoord   | 92.492   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK Steekkant 123               | 2993DB Barendrecht  | 94.069   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SL Wouter van den Walestr 56   | 3274CS Heinenoord   | 92.364   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sL Steekkant 59                | 2993DB Barendrecht  | 93.954   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sM Steekkant 39                | 2993DB Barendrecht  | 93.956   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SM Zomerlandseweg 2            | 3274LX Heinenoord   | 92.961   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sN Müllerhaven 66              | 2993EA Barendrecht  | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SN Spuivelden 21               | 3274CM Heinenoord   | 92.578   | 426.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sO Steurwater 7                | 2993DE Barendrecht  | 93.941   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SO Koomansland 36              | 3274CJ Heinenoord   | 92.445   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SP John F. Kennedystraat 7     | 3274CG Heinenoord   | 92.402   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sP Steekkant 155               | 2993DB Barendrecht  | 94.065   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sQ Meeshaven 8                 | 2993HN Barendrecht  | 93.626   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                          | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                              |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| SO Hermannushof 24           | 3274CE Heinenoord  | 92.579   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sR Steekkant 27              | 2993DB Barendrecht | 93.957   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SR Kooimansland 11           | 3274CJ Heinenoord  | 92.465   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sS Aalwater 17               | 2993DD Barendrecht | 93.993   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SS Hermannushof 26           | 3274CE Heinenoord  | 92.580   | 426.727   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sT Steekkant 119             | 2993DB Barendrecht | 94.073   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ST Oosteinde 28              | 3274KC Heinenoord  | 92.662   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SU Irenestraat 21            | 3274AD Heinenoord  | 92.247   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sU Kröllerhaven 4            | 2993ED Barendrecht | 93.770   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sV Ruyshaven 9               | 2993HM Barendrecht | 93.582   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SV Bernhardstraat 12         | 3274AB Heinenoord  | 92.250   | 426.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SW Spuivelden 2              | 3274CM Heinenoord  | 92.560   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sW Spieringwater 6           | 2993DM Barendrecht | 94.126   | 428.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SX Emmastraat 26             | 3274AC Heinenoord  | 92.231   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sX Swarttouwhaven 28         | 2993HP Barendrecht | 93.495   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SY Rietwaard 1               | 3274MA Heinenoord  | 92.843   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sY Ruyshaven 11              | 2993HM Barendrecht | 93.583   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sZ Swarttouwhaven 66         | 2993HP Barendrecht | 93.499   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SZ John F. Kennedystraat 26  | 3274CG Heinenoord  | 92.782   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| T Blaaksedijk West 43        | 3274LD Heinenoord  | 93.856   | 425.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •T Achterzeedijk 1 a 46      | 2991SB Barendrecht | 97.131   | 427.584   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tA Van Hobokenhaven 65       | 2993HH Barendrecht | 93.457   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TA Prof. Teldersstraat 15    | 3274CZ Heinenoord  | 92.800   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TB Wouter van den Walestr 12 | 3274CR Heinenoord  | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tB Smithaven 31              | 2993EC Barendrecht | 93.708   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tC Steekkant 137             | 2993DB Barendrecht | 94.077   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TC Avenhil 24                | 3274CT Heinenoord  | 92.705   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tD Steekkant 105             | 2993DB Barendrecht | 94.068   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TD Prof. Teldersstraat 21    | 3274CZ Heinenoord  | 92.827   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TE De Laagjes 5              | 3274CA Heinenoord  | 92.458   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tE Zalmwater 133             | 2993DX Barendrecht | 94.137   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TF John F. Kennedystraat 57  | 3274CG Heinenoord  | 92.598   | 426.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tF Kröllerhaven 43           | 2993ED Barendrecht | 93.792   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tG Van Hobokenhaven 15       | 2993HH Barendrecht | 93.456   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TG Rietwaard 14              | 3274MA Heinenoord  | 92.807   | 426.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tH Steekkant 11              | 2993DB Barendrecht | 93.954   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TH Kooimansland 10           | 3274CJ Heinenoord  | 92.405   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TI Abraham Kuyperhof 7       | 3274CW Heinenoord  | 92.727   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ti Steekkant 67              | 2993DB Barendrecht | 93.965   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tJ Steekkant 52              | 2993DB Barendrecht | 94.092   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TJ Kalesland 4               | 3274CH Heinenoord  | 92.481   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tK Müllerhaven 82            | 2993EA Barendrecht | 93.826   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TK Oranjestraat 20           | 3274AK Heinenoord  | 92.181   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tL Müllerhaven 34            | 2993EA Barendrecht | 93.831   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TL Dreeshof 2                | 3274CC Heinenoord  | 92.574   | 426.985   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TM Hermannushof 16           | 3274CE Heinenoord  | 92.553   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tm Steekkant 31              | 2993DB Barendrecht | 93.964   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TN Wiardi Beckmanhof 14      | 3274CX Heinenoord  | 92.700   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tN Vederhaven 1              | 2993EB Barendrecht | 93.778   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TO Wiardi Beckmanhof 2       | 3274CX Heinenoord  | 92.661   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tO Müllerhaven 50            | 2993EA Barendrecht | 93.831   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tP Koedood 4                 | 2993AL Barendrecht | 93.802   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TP Beatrixstraat 17          | 3274AA Heinenoord  | 92.181   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tQ Smithaven 49              | 2993EC Barendrecht | 93.704   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TQ John F. Kennedystraat 37  | 3274CG Heinenoord  | 92.508   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tR Koedood 2 a               | 2993AL Barendrecht | 94.006   | 428.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TR Oranjestraat 11 A         | 3274AK Heinenoord  | 92.173   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TS Spuivelden 5              | 3274CM Heinenoord  | 92.530   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tS Kröllerhaven 6            | 2993ED Barendrecht | 93.761   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TT Prof. Teldersstraat 4     | 3274MC Heinenoord  | 92.831   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tT Smithaven 22              | 2993EC Barendrecht | 93.746   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TU Dorpsstraat 32            | 3274BD Heinenoord  | 92.203   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tU Steekkant 121             | 2993DB Barendrecht | 94.071   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.   | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|---|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|   |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| tV Steekkant 135 2993DB Barendrecht             |      | 94.077   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TV Prof. Teldersstraat 12 3274MC Heinenoord     |      | 92.831   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TW Marijkestraat 5 3274AJ Heinenoord            |      | 92.271   | 427.070   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tW Steekkant 113 2993DB Barendrecht             |      | 94.075   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tX Smithaven 55 2993EC Barendrecht              |      | 93.703   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TX Kalesland 9 3274CH Heinenoord                |      | 92.523   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TY Boerengorzen 11 3274CV Heinenoord            |      | 92.782   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tY Steekkant 56 2993DB Barendrecht              |      | 94.103   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TZ Irenestraat 18 3274AE Heinenoord             |      | 92.260   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tZ Smithaven 45 2993EC Barendrecht              |      | 93.705   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| U Blaaksedijk West 29 3274LD Heinenoord         |      | 94.052   | 425.609   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •U Achterzeedijk 1 a 47 2991SB Barendrecht      |      | 97.120   | 427.569   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uA Müllerhaven 16 2993EA Barendrecht            |      | 93.826   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UA Wouter van den Walestr 64 3274CS Heinenoord  |      | 92.365   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UB Avenhil 35 3274CT Heinenoord                 |      | 92.720   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uB Swarttouwhaven 68 2993HP Barendrecht         |      | 93.493   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UC Beatrixstraat 29 3274AA Heinenoord           |      | 92.191   | 427.069   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uC Steekkant 30 2993DB Barendrecht              |      | 94.029   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uD Steekkant 38 2993DB Barendrecht              |      | 94.054   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UD Wiardi Beckmanhof 3 3274CX Heinenoord        |      | 92.662   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UE Martin Luther Kingstraat 2 3274CK Heinenoord |      | 92.386   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uE Meeshaven 3 2993HN Barendrecht               |      | 93.651   | 428.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UF Rietwaard 7 3274MA Heinenoord                |      | 92.843   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uF Van Hobokenhaven 51 2993HH Barendrecht       |      | 93.455   | 428.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uG Steekkant 42 2993DB Barendrecht              |      | 94.065   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UG Dorpsstraat 9 3274BB Heinenoord              |      | 92.373   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UH Oranjestraat 13 3274AK Heinenoord            |      | 92.208   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uH Meeshaven 1 2993HN Barendrecht               |      | 93.651   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uI Steekkant 69 2993DB Barendrecht              |      | 93.960   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UI Avenhil 4 3274CT Heinenoord                  |      | 92.655   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UJ De Laagjes 15 3274CB Heinenoord              |      | 92.501   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uJ Aalwater 22 2993DD Barendrecht               |      | 94.016   | 428.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UK Bernhardstraat 8 3274AB Heinenoord           |      | 92.239   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uK Steekkant 29 2993DB Barendrecht              |      | 93.955   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uL Steurwater 9 2993DE Barendrecht              |      | 93.942   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UL Margrietstraat 13 3274AH Heinenoord          |      | 92.291   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uM Smithaven 47 2993EC Barendrecht              |      | 93.705   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UM Irenestraat 15 3274AD Heinenoord             |      | 92.243   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uN Meeshaven 12 2993HN Barendrecht              |      | 93.630   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UN Rietwaard 26 3274MA Heinenoord               |      | 92.914   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uO Meeshaven 15 2993HN Barendrecht              |      | 93.659   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UO Avenhil 42 3274CT Heinenoord                 |      | 92.700   | 426.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uP Steekkant 117 2993DB Barendrecht             |      | 94.075   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UP Dreeshof 10 3274CC Heinenoord                |      | 92.575   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uQ Steekkant 36 2993DB Barendrecht              |      | 94.049   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UQ Oosteinde 20 3274KC Heinenoord               |      | 92.708   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uR Calandhaven 7 2993HL Barendrecht             |      | 93.527   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UR John F. Kennedystraat 69 3274CG Heinenoord   |      | 92.755   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| US De Laagjes 30 3274CB Heinenoord              |      | 92.527   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uS Calandhaven 5 2993HL Barendrecht             |      | 93.512   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UT Martin Luther Kingstraat 8 3274CK Heinenoord |      | 92.386   | 427.059   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uT Van Hobokenhaven 55 2993HH Barendrecht       |      | 93.452   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UU Wiardi Beckmanhof 16 3274CX Heinenoord       |      | 92.704   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uU Kröllerhaven 25 2993ED Barendrecht           |      | 93.859   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uV Kröllerhaven 8 2993ED Barendrecht            |      | 93.752   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UV Thorbeckehof 9 3274CP Heinenoord             |      | 92.605   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uW Van Hobokenhaven 31 2993HH Barendrecht       |      | 93.463   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UW Emmastraat 24 3274AC Heinenoord              |      | 92.298   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UX John F. Kennedystraat 71 3274CG Heinenoord   |      | 92.762   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uX Steekkant 125 2993DB Barendrecht             |      | 94.067   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UY Avenhil 7 3274CT Heinenoord                  |      | 92.633   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uY Steekkant 157 2993DB Barendrecht             |      | 94.067   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UZ Irenestraat 34 3274AE Heinenoord             |      | 92.302   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| uZ Steekkant 43 2993DB Barendrecht               |      | 93.961   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| V Blaaksedijk West 25 3274LD Heinenoord          |      | 94.076   | 425.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •V Achterzeedijk 1 a 48 2991SB Barendrecht       |      | 97.113   | 427.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vA Swarttouwhaven 22 2993HP Barendrecht          |      | 93.503   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VA Martin Luther Kingstraat 12 3274CK Heinenoord |      | 92.414   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vB Aalwater 6 2993DD Barendrecht                 |      | 93.964   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VB Buitenlanden 2 3274MB Heinenoord              |      | 92.916   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vc Steekkant 49 2993DB Barendrecht               |      | 93.961   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VC Abraham Kuyperhof 1 3274CW Heinenoord         |      | 92.728   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vD Steekkant 141 2993DB Barendrecht              |      | 94.075   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VD Kalesland 76 3274CH Heinenoord                |      | 92.592   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vE Meeshaven 6 2993HN Barendrecht                |      | 93.625   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VE Dreeshof 6 3274CC Heinenoord                  |      | 92.574   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VF John F. Kennedystraat 73 3274CG Heinenoord    |      | 92.768   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vF Meeshaven 10 2993HN Barendrecht               |      | 93.629   | 428.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VG Dreeshof 7 3274CC Heinenoord                  |      | 92.522   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vG Meeshaven 16 2993HN Barendrecht               |      | 93.629   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vH Müllerhaven 78 2993EA Barendrecht             |      | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VH Dorpsstraat 3 3274BB Heinenoord               |      | 92.434   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vl Steekkant 3 2993DB Barendrecht                |      | 93.966   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VI Beatrixstraat 46 3274AA Heinenoord            |      | 92.209   | 427.002   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VJ Oranjestraat 24 3274AK Heinenoord             |      | 92.194   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vJ Steekkant 8 2993DB Barendrecht                |      | 93.964   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vk Steekkant 65 2993DB Barendrecht               |      | 93.957   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VK Avenhil 21 3274CT Heinenoord                  |      | 92.710   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Müllerhaven 20 2993EA Barendrecht             |      | 93.833   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Irenestraat 42 3274AE Heinenoord              |      | 92.288   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vM Kröllerhaven 17 2993ED Barendrecht            |      | 93.860   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VM Irenestraat 5 3274AD Heinenoord               |      | 92.237   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vN Steurwater 3 2993DE Barendrecht               |      | 93.940   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VN Prof. Teldersstraat 53 3274MC Heinenoord      |      | 92.876   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vO Steekkant 97 2993DB Barendrecht               |      | 94.074   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VO Wouter van den Walestr 38 3274CS Heinenoord   |      | 92.346   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VP Martin Luther Kingstraat 22 3274CK Heinenoord |      | 92.445   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vP Vederhaven 9 2993EB Barendrecht               |      | 93.756   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vQ Müllerhaven 2 2993EA Barendrecht              |      | 93.828   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VQ Avenhil 33 3274CT Heinenoord                  |      | 92.732   | 426.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vr Vederhaven 19 2993EB Barendrecht              |      | 93.729   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VR Oosteinde 4 3274CK Heinenoord                 |      | 92.893   | 426.673   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VS Buitenlanden 3 3274MB Heinenoord              |      | 92.887   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vS Smithaven 41 2993EC Barendrecht               |      | 93.706   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VT Martin Luther Kingstraat 64 3274CL Heinenoord |      | 92.606   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vT Van Hobokenhaven 29 2993HH Barendrecht        |      | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VU Buitenlanden 15 3274MB Heinenoord             |      | 92.895   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vU Zalmwater 147 2993DX Barendrecht              |      | 94.092   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vV Swarttouwhaven 64 2993HP Barendrecht          |      | 93.502   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VV Rietwaard 8 3274MA Heinenoord                 |      | 92.813   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VW Martin Luther Kingstraat 42 3274CL Heinenoord |      | 92.520   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vW Aalwater 12 2993DD Barendrecht                |      | 93.979   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vX Kröllerhaven 55 2993ED Barendrecht            |      | 93.735   | 428.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VX De Laagjes 10 3274CB Heinenoord               |      | 92.458   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vY Meeshaven 13 2993HN Barendrecht               |      | 93.658   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VY Martin Luther Kingstraat 16 3274CK Heinenoord |      | 92.426   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vZ Meeshaven 11 2993HN Barendrecht               |      | 93.657   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VZ Wouter van den Walestr 78 3274CS Heinenoord   |      | 92.367   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| W Blaaksedijk West 30 3274LE Heinenoord          |      | 94.004   | 425.661   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •W Achterzeedijk 1 a 49 2991SB Barendrecht       |      | 97.104   | 427.610   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WA Marijkestraat 12 3274AJ Heinenoord            |      | 92.350   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wA Koedood 20 2993AL Barendrecht                 |      | 93.529   | 428.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WB Wouter van den Walestr 16 3274CR Heinenoord   |      | 92.329   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wB Zalmwater 145 2993DX Barendrecht              |      | 94.098   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WC Talmahof 10 3274CN Heinenoord                 |      | 92.490   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wC Zalmwater 149 2993DX Barendrecht              |      | 94.085   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| WD  | Beatrixstraat 27 3274AA Heinenoord            | 92.187   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wD  | Kröllerhaven 49 2993ED Barendrecht            | 93.762   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wE  | Zalmwater 135 2993DX Barendrecht              | 94.129   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WE  | Oosteinde 18 3274KC Heinenoord                | 92.748   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WF  | Spuivelden 11 3274CM Heinenoord               | 92.531   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wF  | Stekkant 26 2993DB Barendrecht                | 94.030   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WG  | Avenhil 17 3274CT Heinenoord                  | 92.662   | 426.946   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wG  | Stekkant 46 2993DB Barendrecht                | 94.076   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WH  | Oosteinde 33 3274KB Heinenoord                | 92.738   | 426.600   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wH  | Koedood 23 2993AL Barendrecht                 | 93.222   | 428.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WI  | Avenhil 39 3274CT Heinenoord                  | 92.738   | 426.874   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wI  | Meeshaven 17 2993HN Barendrecht               | 93.654   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wJ  | Swarttouwhaven 2 2993HP Barendrecht           | 93.657   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WJ  | Dorpsstraat 26 3274BD Heinenoord              | 92.222   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wK  | Stekkant 165 2993DB Barendrecht               | 94.079   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WK  | Prof. Teldersstraat 25 3274CZ Heinenoord      | 92.826   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wL  | Meeshaven 4 2993HN Barendrecht                | 93.626   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WL  | Koomansland 24 3274CJ Heinenoord              | 92.406   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wM  | Meeshaven 9 2993HN Barendrecht                | 93.656   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WM  | De Laagjes 1 3274CB Heinenoord                | 92.447   | 426.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WN  | Hermannushof 8 3274CE Heinenoord              | 92.529   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wN  | Vederhaven 5 2993EB Barendrecht               | 93.767   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wO  | Koedood 27 2993AL Barendrecht                 | 93.159   | 428.767   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WO  | Bernhardstraat 7 3274AB Heinenoord            | 92.203   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wP  | Swarttouwhaven 4 2993HP Barendrecht           | 93.643   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WP  | Andries Woutershof 4 3274CA Heinenoord        | 92.460   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WQ  | Bernhardstraat 18 3274AB Heinenoord           | 92.271   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wQ  | Swarttouwhaven 6 2993HP Barendrecht           | 93.629   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wR  | Kröllerhaven 10 2993ED Barendrecht            | 93.743   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WR  | Spuivelden 19 3274CM Heinenoord               | 92.579   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wS  | Smithaven 24 2993EC Barendrecht               | 93.737   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WS  | Kalesland 40 3274CH Heinenoord                | 92.544   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WT  | Irenestraat 24 3274AE Heinenoord              | 92.273   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wT  | Kröllerhaven 45 2993ED Barendrecht            | 93.780   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WU  | Kalesland 30 3274CH Heinenoord                | 92.530   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wU  | Smithaven 16 2993EC Barendrecht               | 93.773   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WV  | Kalesland 42 3274CH Heinenoord                | 92.549   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wV  | Stekkant 151 2993DB Barendrecht               | 94.065   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WW  | De Laagjes 36 3274CB Heinenoord               | 92.543   | 426.776   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wW  | Kröllerhaven 35 2993ED Barendrecht            | 93.828   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WX  | Martin Luther Kingstraat 28 3274CK Heinenoord | 92.472   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wX  | Stekkant 58 2993DB Barendrecht                | 94.109   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WY  | Prof. Teldersstraat 45 3274MC Heinenoord      | 92.877   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wY  | Ruyshaven 1 2993HM Barendrecht                | 93.578   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wZ  | Zalmwater 137 2993DX Barendrecht              | 94.123   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WZ  | Oranjestraat 28 3274AK Heinenoord             | 92.207   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| X   | Reedijk 4 3274KE Heinenoord                   | 93.702   | 425.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •X  | Achterzeedijk 1 a 50 2991SB Barendrecht       | 97.106   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XA  | John F. Kennedystraat 75 3274CG Heinenoord    | 92.771   | 426.980   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xA  | Müllerhaven 38 2993EA Barendrecht             | 93.833   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xB  | Stekkant 18 2993DB Barendrecht                | 93.990   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XB  | Thorbeckehof 7 3274CP Heinenoord              | 92.607   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xC  | Stekkant 21 2993DB Barendrecht                | 93.957   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XC  | Abraham Kuyperhof 13 3274CW Heinenoord        | 92.766   | 427.034   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xD  | Vederhaven 13 2993EB Barendrecht              | 93.745   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XD  | John F. Kennedystraat 51 3274CG Heinenoord    | 92.580   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xE  | Van Hobokenhaven 17 2993HH Barendrecht        | 93.456   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XE  | John F. Kennedystraat 17 3274CG Heinenoord    | 92.420   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xF  | Kabbelkant 12 2993DC Barendrecht              | 94.012   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XF  | Oranjestraat 21 3274AK Heinenoord             | 92.253   | 426.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xG  | Müllerhaven 14 2993EA Barendrecht             | 93.835   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XG  | Avenhil 38 3274CT Heinenoord                  | 92.732   | 426.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xH  | Stekkant 71 2993DB Barendrecht                | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| XH  | De Laagjes 14 3274CB Heinenoord               | 92.481   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XI  | Emmastraat 9 3274AC Heinenoord                | 92.245   | 426.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xI  | Swarttouwhaven 50 2993HP Barendrecht          | 93.505   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XJ  | Abraham Kuyperhof 4 3274CW Heinenoord         | 92.730   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xJ  | Koedood 29 3161GE Rhoon                       | 93.112   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xK  | Koedood 29 3161GE Rhoon                       | 93.114   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Boerengorzen 6 3274CV Heinenoord              | 92.750   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XL  | Kalesland 17 3274CH Heinenoord                | 92.555   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xL  | Weerkant 60 2993DA Barendrecht                | 94.325   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xM  | Spieringwater 1 2993DM Barendrecht            | 94.157   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XM  | Julianastraat 36 3274AG Heinenoord            | 92.162   | 427.014   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xN  | Weerkant 134 2993DA Barendrecht               | 94.227   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 92.215   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xO  | Harderwater 78 2993DW Barendrecht             | 94.304   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XO  | Talmahof 3 3274CN Heinenoord                  | 92.434   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 92.431   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xP  | Harderwater 76 2993DW Barendrecht             | 94.304   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 92.561   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xQ  | Weerkant 17 2993DA Barendrecht                | 94.232   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xR  | Kuikant 167 2993DV Barendrecht                | 94.338   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 92.318   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 92.203   | 426.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xS  | Weerkant 38 2993DA Barendrecht                | 94.314   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xT  | Weerkant 14 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XT  | Hermannushof 20 3274CE Heinenoord             | 92.582   | 426.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xU  | Weerkant 132 2993DA Barendrecht               | 94.225   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XU  | Kalesland 50 3274CH Heinenoord                | 92.564   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xV  | Weerkant 19 2993DA Barendrecht                | 94.226   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XV  | Buitelanden 6 3274MB Heinenoord               | 92.919   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XW  | Avenhil 1 3274CT Heinenoord                   | 92.669   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xW  | Harderwater 80 2993DW Barendrecht             | 94.304   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 92.309   | 427.061   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xX  | Weerkant 12 2993DA Barendrecht                | 94.311   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 92.764   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xY  | Zalmwater 115 2993DX Barendrecht              | 94.207   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 92.702   | 426.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xZ  | Weerkant 112 2993DA Barendrecht               | 94.229   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y   | Blaaksedijk West 35 3274LD Heinenoord         | 93.965   | 425.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 97.102   | 427.572   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yA  | Weerkant 76 2993DA Barendrecht                | 94.319   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 92.203   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yB  | Weerkant 100 2993DA Barendrecht               | 94.229   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 92.319   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YC  | De Laagjes 6 3274CB Heinenoord                | 92.446   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yC  | Weerkant 92 2993DA Barendrecht                | 94.225   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YD  | Rietwaard 16 3274MA Heinenoord                | 92.800   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yD  | Weerkant 6 2993DA Barendrecht                 | 94.321   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YE  | De Laagjes 3 3274CB Heinenoord                | 92.453   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yE  | Weerkant 46 2993DA Barendrecht                | 94.323   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yF  | Weerkant 18 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 92.765   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yG  | Weerkant 64 2993DA Barendrecht                | 94.312   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 92.335   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yH  | Weerkant 118 2993DA Barendrecht               | 94.231   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 92.333   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yl  | Harderwater 49 2993DW Barendrecht             | 94.275   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YI  | Avenhil 8 3274CT Heinenoord                   | 92.636   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yJ  | Weerkant 94 2993DA Barendrecht                | 94.227   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YJ  | Kalesland 66 3274CH Heinenoord                | 92.605   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yK  | Weerkant 1 2993DA Barendrecht                 | 94.255   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YK  | Kalesland 2 3274CH Heinenoord                 | 92.482   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Zalmwater 125 2993DX Barendrecht              | 94.176   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Koomansland 3 3274CJ Heinenoord               | 92.450   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 92.574   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yM  | Weerkant 114 2993DA Barendrecht               | 94.231   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yN  | Weerkant 20 2993DA Barendrecht                | 94.323   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 92.904   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yO  | Weerkant 138 2993DA Barendrecht               | 94.231   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 92.184   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YP  | Kalesland 60 3274CH Heinenoord                | 92.595   | 426.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yP  | Weerkant 48 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 94.169   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YQ  | Julianastraat 44 3274AG Heinenoord            | 92.152   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yR  | Weerkant 24 2993DA Barendrecht                | 94.324   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 92.712   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YS  | Rietwaard 19 3274MA Heinenoord                | 92.884   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yS  | Spieringwater 13 2993DM Barendrecht           | 94.160   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 92.335   | 426.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yT  | Weerkant 62 2993DA Barendrecht                | 94.322   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 92.315   | 427.060   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yU  | Weerkant 146 2993DA Barendrecht               | 94.231   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 92.730   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yV  | Weerkant 82 2993DA Barendrecht                | 94.315   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yW  | Spieringwater 9 2993DM Barendrecht            | 94.159   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 92.537   | 426.742   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 92.177   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yX  | Weerkant 136 2993DA Barendrecht               | 94.229   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yY  | Weerkant 158 2993DA Barendrecht               | 94.221   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 92.465   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 92.612   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 94.159   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 93.916   | 425.686   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 97.098   | 427.555   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zA  | Weerkant 86 2993DA Barendrecht                | 94.266   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 92.415   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zB  | Weerkant 32 2993DA Barendrecht                | 94.324   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 92.245   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zC  | Spieringwater 5 2993DM Barendrecht            | 94.158   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 92.809   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZD  | Kalesland 34 3274CH Heinenoord                | 92.530   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zD  | Weerkant 126 2993DA Barendrecht               | 94.223   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 92.663   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zE  | Weerkant 30 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zF  | Weerkant 104 2993DA Barendrecht               | 94.225   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 92.850   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zG  | Weerkant 70 2993DA Barendrecht                | 94.324   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 92.718   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 92.662   | 427.010   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zH  | Weerkant 10 2993DA Barendrecht                | 94.323   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 92.665   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zI  | Weerkant 33 2993DA Barendrecht                | 94.189   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zJ  | Weerkant 26 2993DA Barendrecht                | 94.325   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 92.211   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zK  | Weerkant 130 2993DA Barendrecht               | 94.223   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 92.239   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 92.365   | 426.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zL  | Weerkant 4 2993DA Barendrecht                 | 94.323   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 92.685   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zM  | Weerkant 68 2993DA Barendrecht                | 94.322   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zN  | Weerkant 96 2993DA Barendrecht                | 94.229   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 92.489   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zO  | Weerkant 34 2993DA Barendrecht                | 94.318   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 92.345   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zP  | Weerkant 31 2993DA Barendrecht                | 94.194   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZP  | Koelmansland 7 3274CJ Heinenoord              | 92.449   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zQ  | Weerkant 148 2993DA Barendrecht               | 94.229   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                         | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |     |
|-----------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|-----|
|                             |                      |          |           |     |       |        |                  |                       |                    | [m]                | [m] |
| ZQ Talmahof 5               | 3274CN Heinenoord    | 92.434   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZR Irenestraat 14           | 3274AE Heinenoord    | 92.259   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zR Weerkant 144             | 2993DA Barendrecht   | 94.233   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zS Weerkant 116             | 2993DA Barendrecht   | 94.232   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZS Oosteinde 26             | 3274KC Heinenoord    | 92.674   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZT John F. Kennedystraat 25 | 3274CG Heinenoord    | 92.447   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZT Spieringwater 11         | 2993DM Barendrecht   | 94.159   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zU Weerkant 140             | 2993DA Barendrecht   | 94.233   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZU Wouter van den Walestr   | 58 3274CS Heinenoord | 92.352   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zV Weerkant 42              | 2993DA Barendrecht   | 94.318   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZV Margrietstraat 16        | 3274AH Heinenoord    | 92.326   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZW Bernhardstraat 1 A       | 3274AB Heinenoord    | 92.195   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zW Weerkant 122             | 2993DA Barendrecht   | 94.227   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zX Weerkant 168             | 2993DA Barendrecht   | 94.149   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZX De Laagjes 13            | 3274CB Heinenoord    | 92.501   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZY Marijkestraat 3          | 3274AJ Heinenoord    | 92.262   | 427.071   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zY Weerkant 80              | 2993DA Barendrecht   | 94.317   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZZ Wouter van den Walestr   | 46 3274CS Heinenoord | 92.363   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zz Weerkant 106             | 2993DA Barendrecht   | 94.224   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |

## Calculation Results

Shadow receptor

| No.                            | Name              | Shadow, expected values              |              |
|--------------------------------|-------------------|--------------------------------------|--------------|
|                                |                   | Shadow hours<br>per year<br>[h/year] | Shadow hours |
| [A Kalesland 11                | 3274CH Heinenoord | 2:03                                 |              |
| [B Prof. Teldersstraat 39      | 3274MC Heinenoord | 5:00                                 |              |
| [C Bernhardstraat 1 C          | 3274AB Heinenoord | 0:30                                 |              |
| [D Wiardi Beckmanhof 17        | 3274CX Heinenoord | 3:04                                 |              |
| [E Abraham Kuyperhof 15        | 3274CW Heinenoord | 3:48                                 |              |
| [F Margrietstraat 4            | 3274AH Heinenoord | 0:47                                 |              |
| [G Wiardi Beckmanhof 6         | 3274CX Heinenoord | 2:42                                 |              |
| [H Rietwaard 9                 | 3274MA Heinenoord | 5:54                                 |              |
| [I Kalesland 20                | 3274CH Heinenoord | 1:47                                 |              |
| [J Rietwaard 11                | 3274MA Heinenoord | 6:04                                 |              |
| [K Buitelanden 14              | 3274MB Heinenoord | 6:51                                 |              |
| [L Abraham Kuyperhof 11        | 3274CW Heinenoord | 3:43                                 |              |
| [M John F. Kennedystraat 29    | 3274CG Heinenoord | 1:34                                 |              |
| [N Marijkestraat 19            | 3274AJ Heinenoord | 0:50                                 |              |
| [O Avenhil 41                  | 3274CT Heinenoord | 3:34                                 |              |
| [P Oosteinde 35                | 3274KB Heinenoord | 6:45                                 |              |
| [Q Martin Luther Kingstraat 26 | 3274CK Heinenoord | 1:25                                 |              |
| [R Oranjestraat 27             | 3274AK Heinenoord | 0:44                                 |              |
| [S John F. Kennedystraat 8     | 3274CG Heinenoord | 2:57                                 |              |
| [T Emmastraat 14               | 3274AC Heinenoord | 0:44                                 |              |
| [U Irenestraat 23              | 3274AD Heinenoord | 0:36                                 |              |
| [V Spuibedelen 3               | 3274CM Heinenoord | 2:01                                 |              |
| [W Beatrixstraat 42            | 3274AA Heinenoord | 0:32                                 |              |
| [X Buitelanden 7               | 3274MB Heinenoord | 6:38                                 |              |
| [Y Koomansland 38              | 3274CJ Heinenoord | 1:27                                 |              |
| [Z Kalesland 16                | 3274CH Heinenoord | 1:42                                 |              |
| \A Kalesland 8                 | 3274CH Heinenoord | 1:35                                 |              |
| \B Talmahof 1                  | 3274CN Heinenoord | 1:16                                 |              |
| \C Koomansland 17              | 3274CJ Heinenoord | 1:37                                 |              |
| \D Irenestraat 22              | 3274AE Heinenoord | 0:41                                 |              |
| \E John F. Kennedystraat 65    | 3274CG Heinenoord | 3:08                                 |              |
| \F Spuibedelen 10              | 3274CM Heinenoord | 2:31                                 |              |
| \G Thorbeckehof 5              | 3274CP Heinenoord | 2:20                                 |              |
| \H Spuibedelen 6               | 3274CM Heinenoord | 2:25                                 |              |
| \I Prof. Teldersstraat 29      | 3274CZ Heinenoord | 4:41                                 |              |
| \J John F. Kennedystraat 45    | 3274CG Heinenoord | 1:51                                 |              |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 3:29                                 |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 7:37                                 |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 3:25                                 |
| \N  | De Laagjes 11 3274CB Heinenoord               | 1:38                                 |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 1:45                                 |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 5:30                                 |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 0:36                                 |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 0:57                                 |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 5:00                                 |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 1:09                                 |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 5:32                                 |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 0:33                                 |
| \W  | Spuivelden 7 3274CM Heinenoord                | 2:01                                 |
| \X  | Avenhil 19 3274CT Heinenoord                  | 3:06                                 |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 2:33                                 |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 0:39                                 |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 6:22                                 |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 1:36                                 |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 4:36                                 |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 1:32                                 |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 3:45                                 |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 1:18                                 |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 6:40                                 |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 5:35                                 |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 10:08                                |
| ]J  | Kalesland 44 3274CH Heinenoord                | 2:06                                 |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 3:35                                 |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 1:08                                 |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 9:33                                 |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 3:35                                 |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 6:02                                 |
| ]P  | Kalesland 14 3274CH Heinenoord                | 1:41                                 |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 2:04                                 |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 3:22                                 |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 3:32                                 |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 1:38                                 |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 1:27                                 |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 1:56                                 |
| ]W  | Kalesland 13 3274CH Heinenoord                | 2:04                                 |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 1:13                                 |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 2:07                                 |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 3:27                                 |
| ^A  | Kalesland 24 3274CH Heinenoord                | 1:50                                 |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 6:41                                 |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 1:19                                 |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 2:27                                 |
| ^E  | Kalesland 54 3274CH Heinenoord                | 2:16                                 |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 0:34                                 |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 0:57                                 |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 1:03                                 |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 3:53                                 |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 0:43                                 |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 1:03                                 |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 0:26                                 |
| ^M  | Kalesland 48 3274CH Heinenoord                | 2:09                                 |
| ^N  | Buitelanden 9 3274MB Heinenoord               | 6:26                                 |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 2:42                                 |
| ^P  | Kalesland 74 3274CH Heinenoord                | 2:22                                 |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 5:16                                 |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 0:42                                 |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 1:36                                 |
| ^T  | Kalesland 15 3274CH Heinenoord                | 2:03                                 |
| ^U  | Buitelanden 10 3274MB Heinenoord              | 7:07                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 2:29  |              |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 1:59  |              |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 6:13  |              |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 0:57  |              |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 3:43  |              |
| _A  | Kalesland 12 3274CH Heinenoord                | 1:36  |              |
| _B  | Hermannushof 18 3274CE Heinenoord             | 2:28  |              |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 0:27  |              |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 5:06  |              |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 0:46  |              |
| _F  | Emmastraat 18 3274AC Heinenoord               | 0:46  |              |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 3:51  |              |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 2:53  |              |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 4:33  |              |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 0:26  |              |
| _K  | Avenhil 26 3274CT Heinenoord                  | 3:35  |              |
| _L  | Spuivelden 4 3274CM Heinenoord                | 2:21  |              |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 0:57  |              |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 1:15  |              |
| _O  | Rietwaard 12 3274MA Heinenoord                | 5:03  |              |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 0:39  |              |
| _Q  | Kalesland 62 3274CH Heinenoord                | 2:25  |              |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 2:15  |              |
| _S  | Koimansland 20 3274CJ Heinenoord              | 1:10  |              |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 4:32  |              |
| _U  | Talmahof 12 3274CN Heinenoord                 | 1:33  |              |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 4:22  |              |
| _W  | Rietwaard 15 3274MA Heinenoord                | 6:34  |              |
| _X  | Oosteinde 43 3274KB Heinenoord                | 4:22  |              |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 1:36  |              |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 0:32  |              |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 5:33  |              |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 1:40  |              |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 1:54  |              |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 0:40  |              |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 2:05  |              |
| `F  | Irenestraat 32 3274AE Heinenoord              | 0:47  |              |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 1:15  |              |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 1:02  |              |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 5:09  |              |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 0:57  |              |
| `K  | De Laagjes 32 3274CB Heinenoord               | 2:05  |              |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 0:45  |              |
| `M  | Irenestraat 11 3274AD Heinenoord              | 0:37  |              |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 0:30  |              |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 4:24  |              |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 0:26  |              |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 0:55  |              |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 3:05  |              |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 4:08  |              |
| `T  | Emmastraat 36 3274AC Heinenoord               | 0:29  |              |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 0:38  |              |
| `V  | Spuivelden 27 3274CM Heinenoord               | 2:24  |              |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 0:31  |              |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord   | 1:03  |              |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord    | 3:02  |              |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord   | 1:03  |              |
| {A} | Weerkant 88 2993DA Barendrecht                | 0:00  |              |
| {B} | Weerkant 5 2993DA Barendrecht                 | 0:00  |              |
| {C} | Weerkant 72 2993DA Barendrecht                | 0:00  |              |
| {D} | Zalmwater 111 2993DX Barendrecht              | 0:00  |              |
| {E} | Weerkant 37 2993DA Barendrecht                | 0:00  |              |
| {F} | Weerkant 166 2993DA Barendrecht               | 0:00  |              |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name                                       | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| {G  | Weerkant 128 2993DA Barendrecht            | 0:00                                 |
| {H  | Weerkant 56 2993DA Barendrecht             | 0:00                                 |
| {I  | Weerkant 23 2993DA Barendrecht             | 0:00                                 |
| {J  | Weerkant 25 2993DA Barendrecht             | 0:00                                 |
| {K  | Weerkant 21 2993DA Barendrecht             | 0:00                                 |
| {L  | Weerkant 66 2993DA Barendrecht             | 0:00                                 |
| {M  | Weerkant 120 2993DA Barendrecht            | 0:00                                 |
| {N  | Zalmwater 121 2993DX Barendrecht           | 0:00                                 |
| {O  | Weerkant 22 2993DA Barendrecht             | 0:00                                 |
| {P  | Weerkant 162 2993DA Barendrecht            | 0:00                                 |
| {Q  | Zalmwater 123 2993DX Barendrecht           | 0:00                                 |
| {R  | Weerkant 54 2993DA Barendrecht             | 0:00                                 |
| {S  | Weerkant 44 2993DA Barendrecht             | 0:00                                 |
| {T  | Weerkant 108 2993DA Barendrecht            | 0:00                                 |
| {U  | Weerkant 8 2993DA Barendrecht              | 0:00                                 |
| {V  | Weerkant 150 2993DA Barendrecht            | 0:00                                 |
| {W  | Zalmwater 131 2993DX Barendrecht           | 0:00                                 |
| {X  | Weerkant 35 2993DA Barendrecht             | 0:00                                 |
| {Y  | Weerkant 28 2993DA Barendrecht             | 0:00                                 |
| {Z  | Weerkant 98 2993DA Barendrecht             | 0:00                                 |
| A   | Weerkant 124 2993DA Barendrecht            | 0:00                                 |
| B   | Weerkant 52 2993DA Barendrecht             | 0:00                                 |
| C   | Kuilkant 169 2993DV Barendrecht            | 0:00                                 |
| D   | Weerkant 36 2993DA Barendrecht             | 0:00                                 |
| E   | Weerkant 2 2993DA Barendrecht              | 0:00                                 |
| F   | Weerkant 27 2993DA Barendrecht             | 0:00                                 |
| G   | Weerkant 29 2993DA Barendrecht             | 0:00                                 |
| H   | Weerkant 90 2993DA Barendrecht             | 0:00                                 |
| I   | Weerkant 160 2993DA Barendrecht            | 0:00                                 |
| J   | Zalmwater 117 2993DX Barendrecht           | 0:00                                 |
| K   | Koedood 2 2993AL Barendrecht               | 0:00                                 |
| L   | Weerkant 11 2993DA Barendrecht             | 0:00                                 |
| M   | Weerkant 15 2993DA Barendrecht             | 0:00                                 |
| N   | Weerkant 16 2993DA Barendrecht             | 0:00                                 |
| O   | Weerkant 40 2993DA Barendrecht             | 0:00                                 |
| P   | Weerkant 74 2993DA Barendrecht             | 0:00                                 |
| Q   | Weerkant 78 2993DA Barendrecht             | 0:00                                 |
| R   | Weerkant 102 2993DA Barendrecht            | 0:00                                 |
| S   | Harderwater 51 2993DW Barendrecht          | 0:00                                 |
| T   | Zalmwater 119 2993DX Barendrecht           | 0:00                                 |
| U   | Zalmwater 129 2993DX Barendrecht           | 0:00                                 |
| V   | Weerkant 156 2993DA Barendrecht            | 0:00                                 |
| W   | Spieringwater 3 2993DM Barendrecht         | 0:00                                 |
| X   | Weerkant 7 2993DA Barendrecht              | 0:00                                 |
| Y   | Weerkant 13 2993DA Barendrecht             | 0:00                                 |
| Z   | Weerkant 3 2993DA Barendrecht              | 0:00                                 |
| )A  | Weerkant 9 2993DA Barendrecht              | 0:00                                 |
| )B  | Weerkant 110 2993DA Barendrecht            | 0:00                                 |
| )C  | Weerkant 142 2993DA Barendrecht            | 0:00                                 |
| )D  | Weerkant 154 2993DA Barendrecht            | 0:00                                 |
| )E  | Weerkant 164 2993DA Barendrecht            | 0:00                                 |
| )F  | Weerkant 152 2993DA Barendrecht            | 0:00                                 |
| )G  | Zalmwater 113 2993DX Barendrecht           | 0:00                                 |
| )H  | Weerkant 50 2993DA Barendrecht             | 0:00                                 |
| )I  | Weerkant 58 2993DA Barendrecht             | 0:00                                 |
| )J  | Kuipersveer 9 3274KH Heinenoord            | 1:47                                 |
| )K  | Kuipersveer 7 3274KH Heinenoord            | 1:37                                 |
| )L  | Kuipersveer 3 3274KH Heinenoord            | 0:18                                 |
| )M  | Kuipersveer 5 3274KH Heinenoord            | 0:22                                 |
| )N  | Kuipersveer 1 A 3274KH Heinenoord          | 0:01                                 |
| )O  | Ziedewijdsekade 14 2991VS Barendrecht      | 0:49                                 |
| )P  | 3e Barendrechtseweg 555 2991SH Barendrecht | 1:13                                 |
| )Q  | 3e Barendrechtseweg 454 2992SN Barendrecht | 0:56                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| )R  | Ziedewijdsekade 36 2991SE Barendrecht         | 0:52                    |                      |
| )S  | 3e Barendrechtseweg 545 2991SH Barendrecht    | 1:22                    |                      |
| )T  | Ziedewijdsekade 18 2991VS Barendrecht         | 1:39                    |                      |
| )U  | Ziedewijdsekade 72 2991SE Barendrecht         | 0:42                    |                      |
| )V  | Ziedewijdsekade 1 2991VS Barendrecht          | 0:33                    |                      |
| )W  | 3e Barendrechtseweg 541 2991SH Barendrecht    | 1:19                    |                      |
| )X  | Achterzeedijk 11 2991SB Barendrecht           | 1:19                    |                      |
| )Y  | Ziedewijdsekade 70 2991SE Barendrecht         | 0:38                    |                      |
| )Z  | Ziedewijdsekade 10 2991VS Barendrecht         | 0:23                    |                      |
| ~A  | 3e Barendrechtseweg 559 2991SH Barendrecht    | 1:16                    |                      |
| ~B  | Ziedewijdsekade 12 2991VS Barendrecht         | 0:15                    |                      |
| ~C  | Ziedewijdsekade 34 2991SE Barendrecht         | 1:23                    |                      |
| ~D  | Achterzeedijk 1 2991SB Barendrecht            | 3:20                    |                      |
| ~E  | Achterzeedijk 1 a 1 2991SB Barendrecht        | 1:01                    |                      |
| ~F  | Achterzeedijk 1 a 2 2991SB Barendrecht        | 1:04                    |                      |
| ~G  | Achterzeedijk 1 a 3 2991SB Barendrecht        | 1:07                    |                      |
| ~H  | Achterzeedijk 1 a 4 2991SB Barendrecht        | 1:11                    |                      |
| ~I  | Achterzeedijk 1 a 6 2991SB Barendrecht        | 1:05                    |                      |
| ~J  | Achterzeedijk 1 a 7 2991SB Barendrecht        | 1:10                    |                      |
| ~K  | Achterzeedijk 1 a 8 2991SB Barendrecht        | 1:14                    |                      |
| ~L  | Achterzeedijk 1 a 9 2991SB Barendrecht        | 1:06                    |                      |
| ~M  | Achterzeedijk 1 a 10 2991SB Barendrecht       | 1:07                    |                      |
| ~N  | Achterzeedijk 1 a 11 2991SB Barendrecht       | 1:11                    |                      |
| ~O  | Achterzeedijk 1 a 12 2991SB Barendrecht       | 1:15                    |                      |
| ~P  | Achterzeedijk 1 a 14 2991SB Barendrecht       | 1:13                    |                      |
| ~Q  | Achterzeedijk 1 a 16 2991SB Barendrecht       | 1:20                    |                      |
| ~R  | Achterzeedijk 1 a 17 2991SB Barendrecht       | 1:16                    |                      |
| ~S  | Achterzeedijk 1 a 18 2991SB Barendrecht       | 1:18                    |                      |
| ~T  | Achterzeedijk 1 a 19 2991SB Barendrecht       | 1:19                    |                      |
| ~U  | Achterzeedijk 1 a 20 2991SB Barendrecht       | 1:23                    |                      |
| ~V  | Achterzeedijk 1 a 21 2991SB Barendrecht       | 1:19                    |                      |
| ~W  | Achterzeedijk 1 a 22 2991SB Barendrecht       | 1:22                    |                      |
| ~X  | Achterzeedijk 1 a 23 2991SB Barendrecht       | 1:27                    |                      |
| ~Y  | Achterzeedijk 1 a 24 2991SB Barendrecht       | 1:31                    |                      |
| ~Z  | Achterzeedijk 1 a 26 2991SB Barendrecht       | 1:29                    |                      |
| ?AA | Achterzeedijk 1 a 53 2991SB Barendrecht       | 3:11                    |                      |
| ?BA | Achterzeedijk 1 a 54 2991SB Barendrecht       | 3:11                    |                      |
| ?CA | Achterzeedijk 1 a 55 2991SB Barendrecht       | 3:11                    |                      |
| ?DA | Achterzeedijk 1 a 56 2991SB Barendrecht       | 3:10                    |                      |
| ?EA | Achterzeedijk 1 a 13 2991SB Barendrecht       | 1:09                    |                      |
| ?FA | Achterzeedijk 1 a 15 2991SB Barendrecht       | 1:17                    |                      |
| ?GA | Achterzeedijk 1 a 25 2991SB Barendrecht       | 1:28                    |                      |
| ?HA | Achterzeedijk 1 a 5 2991SB Barendrecht        | 1:02                    |                      |
| ?IK | Kuipersveer 15 3274KH Heinenoord              | 1:18                    |                      |
| ?JK | Kuipersveer 31 3274KH Heinenoord              | 1:49                    |                      |
| ?KK | Kuipersveer 15 A 3274KH Heinenoord            | 1:20                    |                      |
| ?LK | Kuipersveer 23 3274KH Heinenoord              | 1:37                    |                      |
| ?MK | Kuipersveer 13 3274KH Heinenoord              | 1:15                    |                      |
| ?NK | Kuipersveer 15 D 3274KH Heinenoord            | 1:28                    |                      |
| ?OK | Kuipersveer 19 3274KH Heinenoord              | 1:34                    |                      |
| ?PK | Kuipersveer 25 3274KH Heinenoord              | 1:39                    |                      |
| ?QK | Kuipersveer 21 3274KH Heinenoord              | 1:36                    |                      |
| ?RK | Kuipersveer 35 3274KH Heinenoord              | 1:39                    |                      |
| ?SK | Kuipersveer 15 C 3274KH Heinenoord            | 1:24                    |                      |
| ?TK | Kuipersveer 17 3274KH Heinenoord              | 1:32                    |                      |
| A   | Blaaksedijk West 28 3274LE Heinenoord         | 0:00                    |                      |
| •A  | Achterzeedijk 1 a 27 2991SB Barendrecht       | 1:32                    |                      |
| AA  | Blaaksedijk West 26 3274LE Heinenoord         | 0:00                    |                      |
| aA  | Martin Luther Kingstraat 44 3274CL Heinenoord | 1:42                    |                      |
| AB  | Doormanstraat 15 3274LK Heinenoord            | 0:00                    |                      |
| aB  | Rietwaard 22 3274MA Heinenoord                | 7:19                    |                      |
| aC  | Kalesland 68 3274CH Heinenoord                | 2:27                    |                      |
| AC  | Mollekade 11 3274LN Heinenoord                | 0:03                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| aD  | Hermannushof 12 3274CE Heinenoord             | 2:18                    |                      |
| AD  | Boonsweg 55 3274LH Heinenoord                 | 0:00                    |                      |
| AE  | Dormanstraat 19 3274LK Heinenoord             | 0:00                    |                      |
| aE  | De Laagjes 24 3274CB Heinenoord               | 1:54                    |                      |
| AF  | Dormanstraat 35 3274LK Heinenoord             | 0:00                    |                      |
| aF  | Wouter van den Walestr 42 3274CS Heinenoord   | 1:01                    |                      |
| aG  | Avenhil 29 3274CT Heinenoord                  | 3:45                    |                      |
| AG  | Dormanstraat 12 3274LK Heinenoord             | 0:00                    |                      |
| aH  | Beatrixstraat 50 3274AA Heinenoord            | 0:32                    |                      |
| AH  | Mollekade 24 A 3274LP Heinenoord              | 0:00                    |                      |
| AI  | Dormanstraat 21 3274LK Heinenoord             | 0:00                    |                      |
| aI  | Martin Luther Kingstraat 38 3274CL Heinenoord | 1:37                    |                      |
| aJ  | Koimansland 34 3274CJ Heinenoord              | 1:26                    |                      |
| AJ  | Ruyterstraat 6 B 3274LJ Heinenoord            | 0:00                    |                      |
| aK  | Martin Luther Kingstraat 20 3274CK Heinenoord | 1:16                    |                      |
| AK  | Trompstraat 20 3274LT Heinenoord              | 0:00                    |                      |
| aL  | Spuivelden 1 3274CM Heinenoord                | 2:02                    |                      |
| AL  | van Galenstraat 11 3274LV Heinenoord          | 0:00                    |                      |
| aM  | Oranjestraat 22 3274AK Heinenoord             | 0:29                    |                      |
| AM  | Gorzenweg 2 3274LL Heinenoord                 | 0:00                    |                      |
| AN  | Mollekade 17 3274LN Heinenoord                | 0:22                    |                      |
| aN  | Koimansland 15 3274CJ Heinenoord              | 1:35                    |                      |
| aO  | De Laagjes 34 3274CB Heinenoord               | 2:08                    |                      |
| AO  | Mollekade 21 3274LN Heinenoord                | 0:21                    |                      |
| AP  | de Ruyterstraat 10 3274LJ Heinenoord          | 0:00                    |                      |
| aP  | Boerengorzen 12 3274CV Heinenoord             | 3:58                    |                      |
| aQ  | Hermannushof 22 3274CE Heinenoord             | 2:41                    |                      |
| AO  | Mollekade 3 A 3274LN Heinenoord               | 0:00                    |                      |
| aR  | Prof. Teldersstraat 17 3274CZ Heinenoord      | 4:11                    |                      |
| AR  | Dormanstraat 31 3274LK Heinenoord             | 0:00                    |                      |
| AS  | Gorzenweg 1 A 3274LL Heinenoord               | 0:00                    |                      |
| aS  | Avenhil 31 3274CT Heinenoord                  | 3:48                    |                      |
| AT  | de Ruyterstraat 4 A 3274LJ Heinenoord         | 0:00                    |                      |
| aT  | Martin Luther Kingstraat 4 3274CK Heinenoord  | 1:03                    |                      |
| aU  | Emmastraat 5 3274AC Heinenoord                | 0:35                    |                      |
| AU  | de Ruyterstraat 6 A 3274LJ Heinenoord         | 0:00                    |                      |
| aV  | Prof. Teldersstraat 33 3274MC Heinenoord      | 5:08                    |                      |
| AV  | Mollekade 13 A 3274LN Heinenoord              | 0:16                    |                      |
| aW  | Abraham Kuyperhof 6 3274CW Heinenoord         | 3:12                    |                      |
| AW  | Blaaksedijk West 15 3274LD Heinenoord         | 0:00                    |                      |
| aX  | Prof. Teldersstraat 9 3274CZ Heinenoord       | 4:18                    |                      |
| AX  | Dormanstraat 25 3274LK Heinenoord             | 0:00                    |                      |
| AY  | Blaaksedijk West 16 A 3274LE Heinenoord       | 0:00                    |                      |
| aY  | Andries Woutershof 6 3274CA Heinenoord        | 1:41                    |                      |
| AZ  | Gorzenweg 1 3274LL Heinenoord                 | 0:00                    |                      |
| aZ  | Beatrixstraat 25 3274AA Heinenoord            | 0:29                    |                      |
| B   | Blaaksedijk West 49 3274LD Heinenoord         | 0:11                    |                      |
| •B  | Achterzeedijk 1 a 28 2991SB Barendrecht       | 1:35                    |                      |
| bA  | Koimansland 9 3274CJ Heinenoord               | 1:26                    |                      |
| BA  | Nijverheidsweg 32 3274KJ Heinenoord           | 0:00                    |                      |
| BB  | Blaaksedijk West 19 3274LD Heinenoord         | 0:00                    |                      |
| bB  | Avenhil 22 3274CT Heinenoord                  | 3:25                    |                      |
| BC  | Mollekade 15 3274LN Heinenoord                | 0:24                    |                      |
| bC  | John F. Kennedystraat 87 3274CG Heinenoord    | 5:36                    |                      |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord    | 4:36                    |                      |
| BD  | Trompstraat 10 3274LT Heinenoord              | 0:00                    |                      |
| BE  | Mollekade 27 3274LN Heinenoord                | 0:26                    |                      |
| bE  | Irenestraat 17 3274AD Heinenoord              | 0:37                    |                      |
| BF  | Blaaksedijk West 21 3274LD Heinenoord         | 0:00                    |                      |
| bF  | Spuivelden 23 3274CM Heinenoord               | 2:25                    |                      |
| bG  | Kalesland 36 3274CH Heinenoord                | 1:56                    |                      |
| BG  | Piet Heinstraat 1 3274LR Heinenoord           | 0:00                    |                      |
| bH  | Koimansland 4 3274CJ Heinenoord               | 1:15                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
|     | BH Mollekade 1 3274LN Heinenoord             | 0:00                                 |
|     | BI de Ruyterstraat 15 3274LJ Heinenoord      | 0:00                                 |
|     | bI Jan de Rooystraat 1 3274NA Heinenoord     | 2:58                                 |
|     | bJ Jan de Rooystraat 3 3274NA Heinenoord     | 2:57                                 |
|     | BJ Blaaksedijk West 14 3274LE Heinenoord     | 0:00                                 |
|     | bK Jan de Rooystraat 5 3274NA Heinenoord     | 2:58                                 |
|     | BK Mollekade 8 3274LP Heinenoord             | 0:00                                 |
|     | BL de Ruyterstraat 2 B 3274LJ Heinenoord     | 0:00                                 |
|     | bL Jan de Rooystraat 7 3274NA Heinenoord     | 3:03                                 |
|     | BM van Galenstraat 4 3274LV Heinenoord       | 0:00                                 |
|     | bM Jan de Rooystraat 9 3274NA Heinenoord     | 3:03                                 |
|     | BN Mollekade 23 A 3274LN Heinenoord          | 0:22                                 |
|     | bN Jan de Rooystraat 11 3274NA Heinenoord    | 3:04                                 |
|     | BO Blaaksedijk West 20 3274LE Heinenoord     | 0:00                                 |
|     | bO Jan de Rooystraat 13 3274NA Heinenoord    | 3:08                                 |
|     | bP Jan de Rooystraat 2 3274NA Heinenoord     | 3:17                                 |
|     | BP Dormanstraat 45 3274LK Heinenoord         | 0:00                                 |
|     | BQ de Ruyterstraat 4 B 3274LJ Heinenoord     | 0:00                                 |
|     | bQ Jan de Rooystraat 4 3274NA Heinenoord     | 3:21                                 |
|     | BR Nijverheidsweg 7 3274KJ Heinenoord        | 0:00                                 |
|     | bR Jan de Rooystraat 6 3274NA Heinenoord     | 3:22                                 |
|     | bS Jan de Rooystraat 8 3274NA Heinenoord     | 3:27                                 |
|     | BS Gorzenweg 9 3274LL Heinenoord             | 0:00                                 |
|     | bT Jan de Rooystraat 10 3274NA Heinenoord    | 3:29                                 |
|     | BT Mollekade 9 3274LN Heinenoord             | 0:00                                 |
|     | BU de Ruyterstraat 14 3274LJ Heinenoord      | 0:00                                 |
|     | bU Jan de Rooystraat 12 3274NA Heinenoord    | 3:32                                 |
|     | BV Boonsweg 69 3274LH Heinenoord             | 0:00                                 |
|     | bV Jan de Rooystraat 14 3274NA Heinenoord    | 3:33                                 |
|     | BW Boonsweg 65 3274LH Heinenoord             | 0:00                                 |
|     | bW Jan de Rooystraat 16 3274NA Heinenoord    | 3:33                                 |
|     | BX Trompstraat 14 3274LT Heinenoord          | 0:00                                 |
|     | bX Arie Jongekrijgstraat 1 3274NB Heinenoord | 3:42                                 |
|     | BY Blaaksedijk West 18 3274LE Heinenoord     | 0:00                                 |
|     | bY Arie Jongekrijgstraat 3 3274NB Heinenoord | 3:43                                 |
|     | BZ van Galenstraat 7 3274LV Heinenoord       | 0:00                                 |
|     | bZ Arie Jongekrijgstraat 5 3274NB Heinenoord | 3:46                                 |
|     | C Blaaksedijk West 34 3274LE Heinenoord      | 0:00                                 |
| •C  | Achterdijk 1 a 29 2991SB Barendrecht         | 1:32                                 |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord   | 4:06                                 |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord         | 0:00                                 |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord   | 4:24                                 |
| CB  | Trompstraat 16 3274LT Heinenoord             | 0:00                                 |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord   | 4:46                                 |
| CC  | Blaaksedijk West 12 3274LE Heinenoord        | 0:00                                 |
| CD  | Boonsweg 14 3274LH Heinenoord                | 0:00                                 |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord   | 5:03                                 |
| CE  | Mollekade 10 3274LP Heinenoord               | 0:00                                 |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord   | 5:21                                 |
| CF  | Gorzenweg 5 3274LL Heinenoord                | 0:00                                 |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord   | 5:41                                 |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord    | 4:03                                 |
| CG  | van Galenstraat 14 3274LV Heinenoord         | 0:00                                 |
| CH  | Trompstraat 22 3274LT Heinenoord             | 0:00                                 |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 4:04                                 |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 4:06                                 |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 0:00                                 |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 4:08                                 |
| CJ  | Mollekade 13 3274LN Heinenoord               | 0:06                                 |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 4:18                                 |
| CK  | Dormanstraat 37 3274LK Heinenoord            | 0:00                                 |
| CL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 4:15                                 |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 0:00                                 |

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Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                           | Name               | Shadow, expected values              |  |
|-------------------------------|--------------------|--------------------------------------|--|
|                               |                    | Shadow hours<br>per year<br>[h/year] |  |
| cM Arie Jongekrijgstraat 14   | 3274NB Heinenoord  | 4:19                                 |  |
| CM Boonsweg 12                | 3274LH Heinenoord  | 0:00                                 |  |
| CN Piet Heinstraat 2          | 3274LR Heinenoord  | 0:00                                 |  |
| cN Arie Jongekrijgstraat 16   | 3274NB Heinenoord  | 4:21                                 |  |
| cO Arie Jongekrijgstraat 18   | 3274NB Heinenoord  | 4:23                                 |  |
| CO Doormanstraat 33           | 3274LK Heinenoord  | 0:00                                 |  |
| CP Piet Heinstraat 3          | 3274LR Heinenoord  | 0:00                                 |  |
| cP Arie Jongekrijgstraat 20   | 3274NB Heinenoord  | 4:25                                 |  |
| cQ Opper Van Treurenstraat 2  | 3274ND Heinenoord  | 4:59                                 |  |
| CQ van Galenstraat 16         | 3274LV Heinenoord  | 0:00                                 |  |
| CR Gorzenweg 7                | 3274LL Heinenoord  | 0:00                                 |  |
| cR Opper Van Treurenstraat 4  | 3274ND Heinenoord  | 4:56                                 |  |
| CS Doormanstraat 27           | 3274LK Heinenoord  | 0:00                                 |  |
| cS Opper Van Treurenstraat 6  | 3274ND Heinenoord  | 4:59                                 |  |
| CT de Ruyterstraat 19         | 3274LJ Heinenoord  | 0:00                                 |  |
| cT Opper Van Treurenstraat 8  | 3274ND Heinenoord  | 5:00                                 |  |
| cU Opper Van Treurenstraat 10 | 3274ND Heinenoord  | 5:03                                 |  |
| CU Trompstraat 12             | 3274LT Heinenoord  | 0:00                                 |  |
| CV Nijverheidsweg 47          | 3274KJ Heinenoord  | 0:00                                 |  |
| cV Opper Van Treurenstraat 12 | 3274ND Heinenoord  | 5:02                                 |  |
| CW Doormanstraat 39           | 3274LK Heinenoord  | 0:00                                 |  |
| cW Opper Van Treurenstraat 14 | 3274ND Heinenoord  | 5:07                                 |  |
| cX Opper Van Treurenstraat 16 | 3274ND Heinenoord  | 5:09                                 |  |
| CX Boonsweg 6                 | 3274LH Heinenoord  | 0:00                                 |  |
| CY Piet Heinstraat 9          | 3274LR Heinenoord  | 0:00                                 |  |
| cY Opper Van Treurenstraat 18 | 3274ND Heinenoord  | 5:08                                 |  |
| cZ Opper Van Treurenstraat 20 | 3274ND Heinenoord  | 5:09                                 |  |
| CZ Nijverheidsweg 8           | 3274KJ Heinenoord  | 0:00                                 |  |
| D Blaaksedijk West 41         | 3274LD Heinenoord  | 0:00                                 |  |
| •D Achtereedijk 1 a 30        | 2991SB Barendrecht | 1:36                                 |  |
| dA Opper Van Treurenstraat 22 | 3274ND Heinenoord  | 5:12                                 |  |
| DA Boonsweg 4                 | 3274LH Heinenoord  | 0:00                                 |  |
| dB Opper Van Treurenstraat 24 | 3274ND Heinenoord  | 5:14                                 |  |
| DB de Ruyterstraat 2 A        | 3274LJ Heinenoord  | 0:00                                 |  |
| dC Opper Van Treurenstraat 26 | 3274ND Heinenoord  | 5:16                                 |  |
| DC van Galenstraat 1          | 3274LV Heinenoord  | 0:00                                 |  |
| DD Mollekade 7                | 3274LN Heinenoord  | 0:00                                 |  |
| dd Opper Van Treurenstraat 28 | 3274ND Heinenoord  | 5:19                                 |  |
| DE Mollekade 4                | 3274LP Heinenoord  | 0:00                                 |  |
| dE Opper Van Treurenstraat 30 | 3274ND Heinenoord  | 5:21                                 |  |
| DF Mollekade 2                | 3274LP Heinenoord  | 0:00                                 |  |
| dF Opper Van Treurenstraat 32 | 3274ND Heinenoord  | 5:24                                 |  |
| dG Opper Van Treurenstraat 34 | 3274ND Heinenoord  | 5:35                                 |  |
| DG van Galenstraat 28         | 3274LV Heinenoord  | 0:00                                 |  |
| DH Mollekade 6                | 3274LP Heinenoord  | 0:00                                 |  |
| dH Opper Van Treurenstraat 36 | 3274ND Heinenoord  | 5:38                                 |  |
| dI Opper Van Treurenstraat 38 | 3274ND Heinenoord  | 5:39                                 |  |
| DI Mollekade 26 C             | 3274LP Heinenoord  | 0:30                                 |  |
| DJ Mollekade 26 A             | 3274LP Heinenoord  | 0:30                                 |  |
| dJ Opper Van Treurenstraat 40 | 3274ND Heinenoord  | 5:44                                 |  |
| DK Nijverheidsweg 36          | 3274KJ Heinenoord  | 0:00                                 |  |
| dk Opper Van Treurenstraat 42 | 3274ND Heinenoord  | 5:46                                 |  |
| DL Doormanstraat 18           | 3274LK Heinenoord  | 0:00                                 |  |
| dL Opper Van Treurenstraat 44 | 3274ND Heinenoord  | 5:48                                 |  |
| dM Opper Van Treurenstraat 46 | 3274ND Heinenoord  | 5:51                                 |  |
| DM de Ruyterstraat 9          | 3274LJ Heinenoord  | 0:00                                 |  |
| DN van Galenstraat 20         | 3274LV Heinenoord  | 0:00                                 |  |
| dN Opper Van Treurenstraat 48 | 3274ND Heinenoord  | 5:57                                 |  |
| DO Mollekade 5                | 3274LN Heinenoord  | 0:00                                 |  |
| dO Opper Van Treurenstraat 50 | 3274ND Heinenoord  | 5:59                                 |  |
| DP Mollekade 25               | 3274LN Heinenoord  | 0:23                                 |  |
| dP Opper Van Treurenstraat 52 | 3274ND Heinenoord  | 6:03                                 |  |
| DQ Blaaksedijk West 17        | 3274LD Heinenoord  | 0:00                                 |  |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 6:05                    |                      |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 0:00                    |                      |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 6:12                    |                      |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 6:50                    |                      |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 0:00                    |                      |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 7:18                    |                      |
| DT  | Mollekade 19 3274LN Heinenoord               | 0:20                    |                      |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 7:32                    |                      |
| DU  | Trompstraat 6 3274LT Heinenoord              | 0:00                    |                      |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 7:42                    |                      |
| DV  | Trompstraat 24 3274LT Heinenoord             | 0:00                    |                      |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 0:00                    |                      |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 7:46                    |                      |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 0:00                    |                      |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 7:53                    |                      |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 0:00                    |                      |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 4:32                    |                      |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 4:31                    |                      |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 0:00                    |                      |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 0:00                    |                      |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 1:41                    |                      |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 4:35                    |                      |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 0:00                    |                      |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 4:35                    |                      |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 0:00                    |                      |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 0:00                    |                      |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 4:38                    |                      |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 0:00                    |                      |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 4:41                    |                      |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 4:43                    |                      |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 0:00                    |                      |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 4:44                    |                      |
| EF  | Mollekade 26 3274LP Heinenoord               | 0:11                    |                      |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 4:56                    |                      |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 0:00                    |                      |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 4:57                    |                      |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 0:00                    |                      |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 5:00                    |                      |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 0:00                    |                      |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 0:00                    |                      |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 5:01                    |                      |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 0:00                    |                      |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 5:02                    |                      |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 5:05                    |                      |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 0:00                    |                      |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 6:21                    |                      |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 0:00                    |                      |
| EN  | Trompstraat 8 3274LT Heinenoord              | 0:00                    |                      |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 5:53                    |                      |
| EO  | Trompstraat 4 3274LT Heinenoord              | 0:00                    |                      |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 5:23                    |                      |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 0:00                    |                      |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 5:08                    |                      |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 4:44                    |                      |
| EQ  | van Galenstraat 13 3274LV Heinenoord         | 0:00                    |                      |
| eR  | Engel de Raatpad 12 3274NC Heinenoord        | 4:37                    |                      |
| ER  | Mollekade 12 3274LP Heinenoord               | 0:00                    |                      |
| eS  | Engel de Raatpad 14 3274NC Heinenoord        | 4:13                    |                      |
| ES  | van Galenstraat 22 3274LV Heinenoord         | 0:00                    |                      |
| ET  | Doormanstraat 29 3274LK Heinenoord           | 0:00                    |                      |
| eT  | Jan van Vlietstraat 1 3274NE Heinenoord      | 5:48                    |                      |
| eU  | Jan van Vlietstraat 3 3274NE Heinenoord      | 5:52                    |                      |
| EU  | Doormanstraat 17 3274LK Heinenoord           | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| eV  | Jan van Vlietstraat 5 3274NE Heinenoord     | 5:58                                 |
| EV  | Doormanstraat 10 3274LK Heinenoord          | 0:00                                 |
| eW  | Jan van Vlietstraat 7 3274NE Heinenoord     | 6:05                                 |
| EW  | Doormanstraat 14 3274LK Heinenoord          | 0:00                                 |
| EX  | Trompstraat 18 3274LT Heinenoord            | 0:00                                 |
| eX  | Jan van Vlietstraat 9 3274NE Heinenoord     | 6:14                                 |
| EY  | van Galenstraat 8 3274LV Heinenoord         | 0:00                                 |
| eY  | Jan van Vlietstraat 19 3274NE Heinenoord    | 8:36                                 |
| eZ  | Jan van Vlietstraat 21 3274NE Heinenoord    | 8:38                                 |
| EZ  | de Ruyterstraat 5 3274LJ Heinenoord         | 0:00                                 |
| F   | Blaaksedijk West 55 3274LD Heinenoord       | 0:06                                 |
| •F  | Achterzeedijk 1 a 32 2991SB Barendrecht     | 1:46                                 |
| FA  | Trompstraat 26 3274LT Heinenoord            | 0:00                                 |
| fA  | Jan van Vlietstraat 23 3274NE Heinenoord    | 8:41                                 |
| FB  | van Galenstraat 24 3274LV Heinenoord        | 0:00                                 |
| fb  | Jan van Vlietstraat 25 3274NE Heinenoord    | 8:39                                 |
| FC  | van Galenstraat 3 3274LV Heinenoord         | 0:00                                 |
| fC  | Jan van Vlietstraat 27 3274NE Heinenoord    | 8:31                                 |
| fD  | Jan van Vlietstraat 29 3274NE Heinenoord    | 8:30                                 |
| FD  | Piet Heinstraat 6 3274LR Heinenoord         | 0:00                                 |
| FE  | Wouter van den Walestr 11 3274CR Heinenoord | 1:14                                 |
| FE  | de Ruyterstraat 13 3274LJ Heinenoord        | 0:00                                 |
| FF  | Mollekade 7 A 3274LN Heinenoord             | 0:00                                 |
| ff  | Wouter van den Walestr 13 3274CR Heinenoord | 1:14                                 |
| fG  | Wouter van den Walestr 15 3274CR Heinenoord | 1:14                                 |
| FG  | Blaaksedijk West 16 3274LE Heinenoord       | 0:00                                 |
| fH  | Wouter van den Walestr 17 3274CR Heinenoord | 1:14                                 |
| FH  | Oosteinde 5 3274KB Heinenoord               | 4:30                                 |
| fl  | Wouter van den Walestr 19 3274CR Heinenoord | 1:14                                 |
| FI  | Oosteinde 11 3274KB Heinenoord              | 4:51                                 |
| FJ  | Oosteinde 1 3274KB Heinenoord               | 2:24                                 |
| fJ  | Wouter van den Walestr 21 3274CR Heinenoord | 1:14                                 |
| FK  | Oosteinde 3 3274KB Heinenoord               | 4:18                                 |
| fK  | Wouter van den Walestr 23 3274CR Heinenoord | 1:15                                 |
| FL  | Oud-Heinenoordseweg 9 3274KD Heinenoord     | 4:45                                 |
| fL  | Wouter van den Walestr 25 3274CR Heinenoord | 1:15                                 |
| fM  | Wouter van den Walestr 27 3274CR Heinenoord | 1:15                                 |
| FM  | Oud-Heinenoordseweg 3 3274KD Heinenoord     | 5:36                                 |
| FN  | Oosteinde 13 3274KB Heinenoord              | 4:30                                 |
| fn  | Wouter van den Walestr 29 3274CR Heinenoord | 1:16                                 |
| fO  | Wouter van den Walestr 31 3274CR Heinenoord | 1:15                                 |
| FO  | Oosteinde 7 3274KB Heinenoord               | 4:57                                 |
| fP  | Wouter van den Walestr 33 3274CR Heinenoord | 1:16                                 |
| FP  | Oosteinde 27 3274KB Heinenoord              | 5:45                                 |
| fQ  | Wouter van den Walestr 35 3274CR Heinenoord | 1:16                                 |
| FQ  | Oud-Heinenoordseweg 8 3274KD Heinenoord     | 1:24                                 |
| FR  | Oosteinde 25 3274KB Heinenoord              | 5:27                                 |
| fr  | Wouter van den Walestr 37 3274CR Heinenoord | 1:17                                 |
| FS  | Oud-Heinenoordseweg 10 3274KD Heinenoord    | 0:06                                 |
| fS  | Wouter van den Walestr 39 3274CR Heinenoord | 1:16                                 |
| FT  | Wouter van den Walestr 41 3274CR Heinenoord | 1:17                                 |
| FT  | Oud-Heinenoordseweg 7 3274KD Heinenoord     | 5:26                                 |
| fU  | Wouter van den Walestr 43 3274CR Heinenoord | 1:16                                 |
| FU  | Oud-Heinenoordseweg 1 3274KD Heinenoord     | 5:14                                 |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord | 1:17                                 |
| FV  | Oosteinde 19 3274KB Heinenoord              | 4:28                                 |
| FW  | Wouter van den Walestr 47 3274CR Heinenoord | 1:16                                 |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord     | 5:39                                 |
| fX  | Dorpsstraat 8 3274BD Heinenoord             | 1:19                                 |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord    | 1:48                                 |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord    | 3:33                                 |
| fY  | Jan van Vlietstraat 11 3274NE Heinenoord    | 6:23                                 |
| FZ  | Oosteinde 17 3274KB Heinenoord              | 3:42                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 6:30                    |                      |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 0:22                    |                      |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 1:43                    |                      |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 1:15                    |                      |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 6:33                    |                      |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 6:40                    |                      |
| GB  | Oosteinde 21 3274KB Heinenoord               | 4:51                    |                      |
| GC  | Oosteinde 9 3274KB Heinenoord                | 5:07                    |                      |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 6:48                    |                      |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 4:08                    |                      |
| gD  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 6:52                    |                      |
| GE  | Oosteinde 31 3274KB Heinenoord               | 6:30                    |                      |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 7:00                    |                      |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 7:12                    |                      |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 0:00                    |                      |
| GG  | Oosteinde 15 3274KB Heinenoord               | 3:40                    |                      |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 3:53                    |                      |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 3:54                    |                      |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 3:19                    |                      |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 3:55                    |                      |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 2:15                    |                      |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 5:24                    |                      |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 3:57                    |                      |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 0:49                    |                      |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 3:13                    |                      |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 1:54                    |                      |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 1:25                    |                      |
| GM  | Oosteinde 29 3274KB Heinenoord               | 6:06                    |                      |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 1:27                    |                      |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 4:08                    |                      |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 4:50                    |                      |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 1:38                    |                      |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 2:31                    |                      |
| gP  | Koedood 17 a 2993AL Barendrecht              | 1:07                    |                      |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 1:27                    |                      |
| gQ  | Koedood 17 2993AL Barendrecht                | 1:20                    |                      |
| GO  | Oosteinde 23 3274KB Heinenoord               | 5:10                    |                      |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 0:56                    |                      |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 5:06                    |                      |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 2:36                    |                      |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 2:45                    |                      |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 19:55                   |                      |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 1:35                    |                      |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 0:25                    |                      |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 2:14                    |                      |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 3:29                    |                      |
| GV  | Avenhil 5 3274CT Heinenoord                  | 2:54                    |                      |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 5:19                    |                      |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 1:54                    |                      |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 0:46                    |                      |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 3:59                    |                      |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 0:28                    |                      |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 6:25                    |                      |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 6:00                    |                      |
| GZ  | Avenhil 37 3274CT Heinenoord                 | 3:51                    |                      |
| H   | Reedijk 1 3274KE Heinenoord                  | 0:00                    |                      |
| •H  | Achterzeedijk 1 a 34 2991SB Barendrecht      | 1:44                    |                      |
| hA  | Achterzeedijk 63 2992SB Barendrecht          | 4:43                    |                      |
| HA  | Hermannushof 14 3274CE Heinenoord            | 2:22                    |                      |
| hb  | Achterzeedijk 67 2992SB Barendrecht          | 5:58                    |                      |
| HB  | Marijkestraat 25 3274AJ Heinenoord           | 0:54                    |                      |
| hc  | Achterzeedijk 38 2992SC Barendrecht          | 3:45                    |                      |
| HC  | Kalesland 3 3274CH Heinenoord                | 1:51                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                         | Name                      | Shadow, expected values |                      |
|-----------------------------|---------------------------|-------------------------|----------------------|
|                             |                           | Shadow hours            | per year<br>[h/year] |
| hD Achterzeedijk            | 47 2992SB Barendrecht     | 5:57                    |                      |
| HD Prof. Teldersstraat      | 35 3274MC Heinenoord      | 5:04                    |                      |
| hE Achterzeedijk            | 39 2992SB Barendrecht     | 4:10                    |                      |
| HE Marijkestraat            | 11 3274AJ Heinenoord      | 0:45                    |                      |
| hF Achterzeedijk            | 41 2992SB Barendrecht     | 4:36                    |                      |
| HF John F. Kennedystraat    | 38 3274CG Heinenoord      | 4:49                    |                      |
| hG Achterzeedijk            | 64 2992SC Barendrecht     | 3:48                    |                      |
| HG Oranjestraat             | 16 3274AK Heinenoord      | 0:26                    |                      |
| hH Achterzeedijk            | 71 2992SB Barendrecht     | 18:55                   |                      |
| HH Boerengorzen             | 10 3274CV Heinenoord      | 4:06                    |                      |
| hI Achterzeedijk            | 59 2992SB Barendrecht     | 1:52                    |                      |
| HI Kalesland                | 78 3274CH Heinenoord      | 2:19                    |                      |
| HJ Margrietstraat           | 18 3274AH Heinenoord      | 0:53                    |                      |
| hJ Achterzeedijk            | 42 2992SC Barendrecht     | 5:26                    |                      |
| HK Martin Luther Kingstraat | 60 3274CL Heinenoord      | 2:07                    |                      |
| hK Achterzeedijk            | 49 2992SB Barendrecht     | 5:52                    |                      |
| hL Achterzeedijk            | 48 2992SC Barendrecht     | 4:02                    |                      |
| HL Talmahof                 | 7 3274CN Heinenoord       | 1:17                    |                      |
| hM Achterzeedijk            | 60 2992SC Barendrecht     | 3:53                    |                      |
| HM Kalesland                | 56 3274CH Heinenoord      | 2:20                    |                      |
| hN Achterzeedijk            | 58 2992SC Barendrecht     | 2:13                    |                      |
| HN Emmastraat               | 22 3274AC Heinenoord      | 0:50                    |                      |
| hO Achterzeedijk            | 61 2992SB Barendrecht     | 1:56                    |                      |
| HO John F. Kennedystraat    | 18 3274CG Heinenoord      | 3:32                    |                      |
| hP Achterzeedijk            | 40 2992SC Barendrecht     | 4:12                    |                      |
| HP Martin Luther Kingstraat | 32 3274CK Heinenoord      | 1:26                    |                      |
| HQ Dreeshof                 | 1 3274CC Heinenoord       | 1:45                    |                      |
| hQ Achterzeedijk            | 61 b 2992SB Barendrecht   | 2:20                    |                      |
| HR Buitenlanden             | 8 3274MB Heinenoord       | 7:23                    |                      |
| hR Achterzeedijk            | 56 2992SC Barendrecht     | 1:43                    |                      |
| HS Heyne van Althenastraat  | 14 3274CD Heinenoord      | 1:24                    |                      |
| hS Achterzeedijk            | 73 2992SB Barendrecht     | 19:26                   |                      |
| HT Prof. Teldersstraat      | 11 3274CZ Heinenoord      | 4:15                    |                      |
| hT Achterzeedijk            | 50 2992SC Barendrecht     | 2:57                    |                      |
| hU Gorzenweg                | 10 3274LL Heinenoord      | 0:37                    |                      |
| HU Prof. Teldersstraat      | 16 3274MC Heinenoord      | 5:02                    |                      |
| HV John F. Kennedystraat    | 41 3274CG Heinenoord      | 1:45                    |                      |
| hV Gorzenweg                | 8 3274LL Heinenoord       | 0:52                    |                      |
| hW Mollekade                | 31 3274LN Heinenoord      | 0:31                    |                      |
| HW Rietwaard                | 17 3274MA Heinenoord      | 6:44                    |                      |
| hX Mollekade                | 32 3274LP Heinenoord      | 0:46                    |                      |
| HX Koomansland              | 26 3274CJ Heinenoord      | 1:16                    |                      |
| hY Boonsweg                 | 44 3274LH Heinenoord      | 15:03                   |                      |
| HY Wouter van den Walestr   | 32 3274CR Heinenoord      | 0:57                    |                      |
| HZ Avenhil                  | 14 3274CT Heinenoord      | 3:03                    |                      |
| hZ Gorzenweg                | 6 A 3274LL Heinenoord     | 0:00                    |                      |
| I Reedijk                   | 1 A 3274KE Heinenoord     | 0:00                    |                      |
| •I Achterzeedijk            | 1 a 35 2991SB Barendrecht | 1:48                    |                      |
| IA Avenhil                  | 3 3274CT Heinenoord       | 2:57                    |                      |
| iA Zomerlandseweg           | 9 3274LX Heinenoord       | 0:07                    |                      |
| IB John F. Kennedystraat    | 40 3274CG Heinenoord      | 4:46                    |                      |
| IB Mollekade                | 29 3274LN Heinenoord      | 0:29                    |                      |
| IC Mollekade                | 28 3274LP Heinenoord      | 0:43                    |                      |
| IC Wouter van den Walestr   | 72 3274CS Heinenoord      | 1:02                    |                      |
| ID Dreeshof                 | 9 3274CC Heinenoord       | 1:44                    |                      |
| ID Mollekade                | 39 3274LN Heinenoord      | 0:35                    |                      |
| IE Thorbeckehof             | 1 3274CP Heinenoord       | 2:21                    |                      |
| iE Mollekade                | 41 3274LN Heinenoord      | 0:36                    |                      |
| IF Spuibelden               | 25 3274CM Heinenoord      | 2:25                    |                      |
| IF Mollekade                | 47 3274LN Heinenoord      | 0:43                    |                      |
| iG Mollekade                | 45 3274LN Heinenoord      | 0:38                    |                      |
| IG Wiardi Beckmanhof        | 8 3274CX Heinenoord       | 2:36                    |                      |
| IH Talmahof                 | 4 3274CN Heinenoord       | 1:34                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values  |          |
|-----|---|--------------------------|----------|
|     |   | Shadow hours<br>per year | [h/year] |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 0:00                     |          |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 2:50                     |          |
| iI  | Mollekade 43 3274LN Heinenoord                | 0:37                     |          |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 3:21                     |          |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 0:00                     |          |
| IK  | De Laagjes 12 3274CB Heinenoord               | 1:35                     |          |
| IK  | Mollekade 35 3274LN Heinenoord                | 0:32                     |          |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 0:00                     |          |
| IL  | Talmahof 11 3274CN Heinenoord                 | 1:18                     |          |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 2:22                     |          |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 1:37                     |          |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 5:19                     |          |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 0:00                     |          |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 1:54                     |          |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 0:00                     |          |
| IP  | Koimansland 32 3274CJ Heinenoord              | 1:26                     |          |
| iP  | Stekkant 40 2993DB Barendrecht                | 0:00                     |          |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 4:38                     |          |
| iQ  | Stekkant 33 2993DB Barendrecht                | 0:00                     |          |
| IR  | Spieringwater 12 2993DM Barendrecht           | 0:00                     |          |
| IR  | Kalesland 52 3274CH Heinenoord                | 2:13                     |          |
| iS  | Koedood 6 a 2993AL Barendrecht                | 0:00                     |          |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 1:56                     |          |
| IT  | Avenhil 15 3274CT Heinenoord                  | 3:00                     |          |
| iT  | Stekkant 107 2993DB Barendrecht               | 0:00                     |          |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 0:00                     |          |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 2:42                     |          |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 0:00                     |          |
| IV  | Kalesland 19 3274CH Heinenoord                | 2:01                     |          |
| IW  | Stekkant 2 2993DB Barendrecht                 | 0:00                     |          |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 0:32                     |          |
| IX  | Müllerhaven 32 2993EA Barendrecht             | 0:00                     |          |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 1:25                     |          |
| IY  | Oranjestraat 11 B 3274AK Heinenoord           | 0:26                     |          |
| iY  | Calandhaven 3 2993HL Barendrecht              | 0:00                     |          |
| IZ  | Stekkant 87 2993DB Barendrecht                | 0:00                     |          |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 2:23                     |          |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 0:06                     |          |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 1:51                     |          |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 1:45                     |          |
| jA  | Meeshaven 5 2993HN Barendrecht                | 0:00                     |          |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 5:22                     |          |
| jb  | Smithaven 4 2993EC Barendrecht                | 0:00                     |          |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 0:00                     |          |
| JC  | Emmastraat 11 3274AC Heinenoord               | 0:40                     |          |
| JD  | Stekkant 13 2993DB Barendrecht                | 0:00                     |          |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 2:47                     |          |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 1:02                     |          |
| JE  | Kröllerhaven 12 2993ED Barendrecht            | 0:00                     |          |
| JF  | Avenhil 9 3274CT Heinenoord                   | 2:40                     |          |
| jF  | Stekkant 51 2993DB Barendrecht                | 0:00                     |          |
| JG  | De Laagjes 23 3274CB Heinenoord               | 1:48                     |          |
| jG  | Zalmwater 143 2993DX Barendrecht              | 0:00                     |          |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 0:30                     |          |
| JH  | Van Hobokenhaven 43 2993HH Barendrecht        | 0:00                     |          |
| ji  | Müllerhaven 70 2993EA Barendrecht             | 0:00                     |          |
| Ji  | Rietwaard 20 3274MA Heinenoord                | 6:50                     |          |
| JJ  | Stekkant 89 2993DB Barendrecht                | 0:00                     |          |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 0:37                     |          |
| JK  | Müllerhaven 36 2993EA Barendrecht             | 0:00                     |          |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 5:03                     |          |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 1:53                     |          |
| JL  | Stekkant 73 2993DB Barendrecht                | 0:00                     |          |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 1:08                    |                      |
| JM  | Aalwater 20 2993DD Barendrecht                | 0:00                    |                      |
| jN  | Stekkant 111 2993DB Barendrecht               | 0:00                    |                      |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 4:16                    |                      |
| JO  | Smithaven 6 2993EC Barendrecht                | 0:00                    |                      |
| JO  | Oosteinde 45 3274KB Heinenoord                | 4:08                    |                      |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 0:00                    |                      |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 1:02                    |                      |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 0:44                    |                      |
| JQ  | Smithaven 35 2993EC Barendrecht               | 0:00                    |                      |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 1:20                    |                      |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 0:00                    |                      |
| JS  | Stekkant 127 2993DB Barendrecht               | 0:00                    |                      |
| JS  | Kalesland 32 3274CH Heinenoord                | 1:58                    |                      |
| jT  | Van Hobokenhoven 61 2993HH Barendrecht        | 0:00                    |                      |
| JT  | Talmahof 2 3274CN Heinenoord                  | 1:34                    |                      |
| jU  | Smithaven 18 2993EC Barendrecht               | 0:00                    |                      |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 0:33                    |                      |
| jV  | Swarttouwhaven 52 2993HP Barendrecht          | 0:00                    |                      |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 5:55                    |                      |
| jW  | Kabbelkant 6 2993DC Barendrecht               | 0:00                    |                      |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 2:04                    |                      |
| jX  | Meeshaven 7 2993HN Barendrecht                | 0:00                    |                      |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 0:53                    |                      |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 2:10                    |                      |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 0:00                    |                      |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 0:46                    |                      |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 0:00                    |                      |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 0:10                    |                      |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 1:49                    |                      |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 0:00                    |                      |
| KA  | Talmahof 8 3274CN Heinenoord                  | 1:33                    |                      |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 0:00                    |                      |
| KB  | Irenestraat 28 3274AE Heinenoord              | 0:44                    |                      |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 1:34                    |                      |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 0:00                    |                      |
| KD  | Van Hobokenhoven 27 2993HH Barendrecht        | 0:00                    |                      |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 0:35                    |                      |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 1:44                    |                      |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 0:00                    |                      |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 0:00                    |                      |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 1:10                    |                      |
| KG  | Stekkant 147 2993DB Barendrecht               | 0:00                    |                      |
| KG  | Emmastraat 30 3274AC Heinenoord               | 0:33                    |                      |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 0:59                    |                      |
| KH  | Van Hobokenhoven 59 2993HH Barendrecht        | 0:00                    |                      |
| KI  | Aalwater 4 2993DD Barendrecht                 | 0:00                    |                      |
| KI  | Emmastraat 32 3274AC Heinenoord               | 0:32                    |                      |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 0:46                    |                      |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 0:00                    |                      |
| KK  | De Laagjes 21 3274CB Heinenoord               | 1:48                    |                      |
| KK  | Aalwater 19 2993DD Barendrecht                | 0:00                    |                      |
| KL  | Steurwater 13 2993DE Barendrecht              | 0:00                    |                      |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 6:49                    |                      |
| KM  | Irenestraat 3 3274AD Heinenoord               | 0:37                    |                      |
| KM  | Vederhaven 3 2993EB Barendrecht               | 0:00                    |                      |
| KN  | Van Hobokenhoven 39 2993HH Barendrecht        | 0:00                    |                      |
| KN  | Irenestraat 36 3274AE Heinenoord              | 0:42                    |                      |
| KO  | Emmastraat 20 3274AC Heinenoord               | 0:48                    |                      |
| KO  | Müllerhaven 8 2993EA Barendrecht              | 0:00                    |                      |
| KP  | Stekkant 129 2993DB Barendrecht               | 0:00                    |                      |
| KP  | Oosteinde 41 3274KB Heinenoord                | 4:33                    |                      |
| KQ  | Stekkant 149 2993DB Barendrecht               | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| KQ  | John F. Kennedystraat 35 3274CG Heinenoord     | 1:40                    |                      |
| KR  | Avenhil 30 3274CT Heinenoord                   | 3:46                    |                      |
| KR  | Smithaven 59 2993EC Barendrecht                | 0:00                    |                      |
| KS  | Ruyshaven 4 2993HM Barendrecht                 | 0:00                    |                      |
| KS  | John F. Kennedystraat 55 3274CG Heinenoord     | 2:17                    |                      |
| KT  | Martin Luther Kingstraat 34 3274CL Heinenoord  | 1:31                    |                      |
| KT  | Swarttouwhaven 10 2993HP Barendrecht           | 0:00                    |                      |
| KU  | Stekkant 109 2993DB Barendrecht                | 0:00                    |                      |
| KU  | Koimansland 6 3274CJ Heinenoord                | 1:14                    |                      |
| KV  | Boerengorzen 8 3274CV Heinenoord               | 4:01                    |                      |
| KV  | Müllerhaven 42 2993EA Barendrecht              | 0:00                    |                      |
| kW  | Müllerhaven 48 2993EA Barendrecht              | 0:00                    |                      |
| KW  | Margrietstraat 20 3274AH Heinenoord            | 0:53                    |                      |
| KX  | Dorpsstraat 1 A 3274BB Heinenoord              | 2:41                    |                      |
| KX  | Kröllerhaven 53 2993ED Barendrecht             | 0:00                    |                      |
| KY  | Stekkant 57 2993DB Barendrecht                 | 0:00                    |                      |
| KY  | John F. Kennedystraat 5 3274CG Heinenoord      | 1:08                    |                      |
| KZ  | Kalesland 72 3274CH Heinenoord                 | 2:26                    |                      |
| KZ  | Kröllerhaven 23 2993ED Barendrecht             | 0:00                    |                      |
| L   | Reedijk 2 3274KE Heinenoord                    | 0:00                    |                      |
| •L  | Achterzeedijk 1 a 38 2991SB Barendrecht        | 1:53                    |                      |
| LA  | John F. Kennedystraat 67 3274CG Heinenoord     | 3:12                    |                      |
| IA  | Ruyshaven 8 2993HM Barendrecht                 | 0:00                    |                      |
| LB  | Wouter van den Walestraat 28 3274CR Heinenoord | 0:55                    |                      |
| IB  | Swarttouwhaven 44 2993HP Barendrecht           | 0:00                    |                      |
| IC  | Müllerhaven 56 2993EA Barendrecht              | 0:00                    |                      |
| LC  | Dreeshof 11 3274CC Heinenoord                  | 1:42                    |                      |
| LD  | John F. Kennedystraat 22 3274CG Heinenoord     | 3:39                    |                      |
| ID  | Stekkant 22 2993DB Barendrecht                 | 0:00                    |                      |
| LE  | Kalesland 18 3274CH Heinenoord                 | 1:45                    |                      |
| IE  | Meeshaven 2 2993HN Barendrecht                 | 0:00                    |                      |
| IF  | Aalwater 14 2993DD Barendrecht                 | 0:00                    |                      |
| LF  | Koimansland 18 3274CJ Heinenoord               | 1:10                    |                      |
| IG  | Stekkant 55 2993DB Barendrecht                 | 0:00                    |                      |
| LG  | Boerengorzen 4 3274CV Heinenoord               | 4:05                    |                      |
| LH  | Julianastraat 40 3274AG Heinenoord             | 0:25                    |                      |
| IH  | Stekkant 77 2993DB Barendrecht                 | 0:00                    |                      |
| II  | Stekkant 115 2993DB Barendrecht                | 0:00                    |                      |
| LI  | John F. Kennedystraat 13 3274CG Heinenoord     | 1:12                    |                      |
| IJ  | Kröllerhaven 37 2993ED Barendrecht             | 0:00                    |                      |
| LJ  | Rietwaard 24 3274MA Heinenoord                 | 7:57                    |                      |
| IK  | Kröllerhaven 39 2993ED Barendrecht             | 0:00                    |                      |
| LK  | Heyne van Althenastraat 30 3274CD Heinenoord   | 2:05                    |                      |
| LL  | Kalesland 7 3274CH Heinenoord                  | 1:51                    |                      |
| IL  | Swarttouwhaven 30 2993HP Barendrecht           | 0:00                    |                      |
| LM  | Julianastraat 46 3274AG Heinenoord             | 0:24                    |                      |
| IM  | Stekkant 19 2993DB Barendrecht                 | 0:00                    |                      |
| LN  | Marikkestraat 1 B 3274AJ Heinenoord            | 0:34                    |                      |
| IN  | Stekkant 12 2993DB Barendrecht                 | 0:00                    |                      |
| IO  | Müllerhaven 24 2993EA Barendrecht              | 0:00                    |                      |
| LO  | Irenestraat 10 3274AE Heinenoord               | 0:39                    |                      |
| IP  | Spieringwater 8 2993DM Barendrecht             | 0:00                    |                      |
| LP  | Wiardi Beckmanhof 7 3274CX Heinenoord          | 2:41                    |                      |
| IQ  | Kröllerhaven 51 2993ED Barendrecht             | 0:00                    |                      |
| LQ  | Spuivelden 8 3274CM Heinenoord                 | 2:28                    |                      |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord       | 5:03                    |                      |
| IR  | Kabbelkant 2 2993DC Barendrecht                | 0:00                    |                      |
| IS  | Stekkant 10 2993DB Barendrecht                 | 0:00                    |                      |
| LS  | Beatrixstraat 34 3274AA Heinenoord             | 0:31                    |                      |
| LT  | Marikkestraat 2 3274AJ Heinenoord              | 0:34                    |                      |
| IT  | Swarttouwhaven 20 2993HP Barendrecht           | 0:00                    |                      |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord  | 1:12                    |                      |
| IU  | Kabbelkant 8 2993DC Barendrecht                | 0:00                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| IV  | Koedood 8 2993AL Barendrecht                | 0:00                                 |
| LV  | Rietwaard 5 3274MA Heinenoord               | 5:37                                 |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord | 1:26                                 |
| IW  | Kröllerhaven 41 2993ED Barendrecht          | 0:00                                 |
| LX  | Rietwaard 6 3274MA Heinenoord               | 5:07                                 |
| IX  | Stekkant 63 2993DB Barendrecht              | 0:00                                 |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord  | 4:30                                 |
| IY  | Stekkant 101 2993DB Barendrecht             | 0:00                                 |
| LZ  | Avenhil 36 3274CT Heinenoord                | 3:50                                 |
| IZ  | Stekkant 1 2993DB Barendrecht               | 0:00                                 |
| M   | Reedijk 3 3274KE Heinenoord                 | 0:00                                 |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht     | 1:58                                 |
| MA  | Irenestraat 26 3274AE Heinenoord            | 0:44                                 |
| mA  | Müllerhaven 58 2993EA Barendrecht           | 0:00                                 |
| mB  | Stekkant 15 2993DB Barendrecht              | 0:00                                 |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord     | 4:23                                 |
| mC  | Müllerhaven 12 2993EA Barendrecht           | 0:00                                 |
| MC  | Oranjestraat 26 3274AK Heinenoord           | 0:31                                 |
| mD  | Stekkant 133 2993DB Barendrecht             | 0:00                                 |
| MD  | Avenhil 23 3274CT Heinenoord                | 3:23                                 |
| mE  | Aalwater 13 2993DD Barendrecht              | 0:00                                 |
| ME  | Dorpsstraat 1 3274BB Heinenoord             | 1:52                                 |
| mF  | Swarttouwhaven 24 2993HP Barendrecht        | 0:00                                 |
| MF  | Kalesland 58 3274CH Heinenoord              | 2:26                                 |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord | 1:00                                 |
| mG  | Stekkant 37 2993DB Barendrecht              | 0:00                                 |
| mh  | Kabbelkant 4 2993DC Barendrecht             | 0:00                                 |
| MH  | Irenestraat 48 3274AE Heinenoord            | 0:49                                 |
| MI  | Avenhil 13 3274CT Heinenoord                | 3:08                                 |
| mI  | Steurwater 5 2993DE Barendrecht             | 0:00                                 |
| mJ  | Vederhaven 11 2993EB Barendrecht            | 0:00                                 |
| MJ  | Kalesland 1 3274CH Heinenoord               | 1:50                                 |
| mK  | Swarttouwhaven 48 2993HP Barendrecht        | 0:00                                 |
| MK  | Koomansland 5 3274CJ Heinenoord             | 1:25                                 |
| ML  | Margrietstraat 9 3274AH Heinenoord          | 0:45                                 |
| ml  | Stekkant 153 2993DB Barendrecht             | 0:00                                 |
| MM  | Emmastraat 16 3274AC Heinenoord             | 0:45                                 |
| mm  | Stekkant 24 2993DB Barendrecht              | 0:00                                 |
| MN  | Irenestraat 1 3274AD Heinenoord             | 0:36                                 |
| mN  | Stekkant 16 2993DB Barendrecht              | 0:00                                 |
| mo  | Stekkant 14 2993DB Barendrecht              | 0:00                                 |
| MO  | Avenhil 10 3274CT Heinenoord                | 2:40                                 |
| MP  | Spuivelden 15 3274CM Heinenoord             | 2:23                                 |
| mP  | Smithaven 2 2993EC Barendrecht              | 0:00                                 |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord      | 2:57                                 |
| mQ  | Aalwater 8 2993DD Barendrecht               | 0:00                                 |
| MR  | Talmahof 9 3274CN Heinenoord                | 1:17                                 |
| mR  | Stekkant 53 2993DB Barendrecht              | 0:00                                 |
| mS  | Smithaven 43 2993EC Barendrecht             | 0:00                                 |
| MS  | Beatrixstraat 48 3274AA Heinenoord          | 0:32                                 |
| mT  | Müllerhaven 72 2993EA Barendrecht           | 0:00                                 |
| MT  | De Laagjes 26 3274CB Heinenoord             | 1:56                                 |
| MU  | Bernhardstraat 6 3274AB Heinenoord          | 0:37                                 |
| mU  | Smithaven 14 2993EC Barendrecht             | 0:00                                 |
| MV  | Wiardi Beckmanhof 11 3274CX Heinenoord      | 2:47                                 |
| mV  | Van Hobokenhaven 45 2993HH Barendrecht      | 0:00                                 |
| mW  | Stekkant 48 2993DB Barendrecht              | 0:00                                 |
| MW  | Julianalaan 42 3274AG Heinenoord            | 0:25                                 |
| MX  | De Laagjes 22 3274CB Heinenoord             | 1:50                                 |
| mX  | Stekkant 75 2993DB Barendrecht              | 0:00                                 |
| mY  | Stekkant 91 2993DB Barendrecht              | 0:00                                 |
| MY  | Koomansland 13 3274CJ Heinenoord            | 1:33                                 |
| mZ  | Aalwater 18 2993DD Barendrecht              | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                            | Name                 | Shadow, expected values |                      |
|--------------------------------|----------------------|-------------------------|----------------------|
|                                |                      | Shadow hours            | per year<br>[h/year] |
| MZ Kalesland 46                | 3274CH Heinenoord    | 2:07                    |                      |
| N Blaaksedijk West             | 31 3274LD Heinenoord | 0:00                    |                      |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht   | 2:03                    |                      |
| NA Spuivelden 9                | 3274CM Heinenoord    | 2:00                    |                      |
| nA Aalwater 16                 | 2993DD Barendrecht   | 0:00                    |                      |
| nB Steekkant 17                | 2993DB Barendrecht   | 0:00                    |                      |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord    | 1:48                    |                      |
| NC Irenestraat 20              | 3274AE Heinenoord    | 0:42                    |                      |
| nC Zalmwater 155               | 2993DX Barendrecht   | 0:00                    |                      |
| ND Oranjestraat 31             | 3274AK Heinenoord    | 0:46                    |                      |
| nD Müllerhaven 60              | 2993EA Barendrecht   | 0:00                    |                      |
| nE Swarttouwhaven 18           | 2993HP Barendrecht   | 0:00                    |                      |
| NE Kalesland 28                | 3274CH Heinenoord    | 1:53                    |                      |
| nF Zalmwater 151               | 2993DX Barendrecht   | 0:00                    |                      |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord    | 1:54                    |                      |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord    | 5:36                    |                      |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht   | 0:00                    |                      |
| nH Smithaven 33                | 2993EC Barendrecht   | 0:00                    |                      |
| NH Dorpsstraat 7               | 3274BB Heinenoord    | 1:15                    |                      |
| nl Müllerhaven 4               | 2993EA Barendrecht   | 0:00                    |                      |
| NI Kalesland 64                | 3274CH Heinenoord    | 2:25                    |                      |
| nJ Smithaven 39                | 2993EC Barendrecht   | 0:00                    |                      |
| NJ Andries Woutershof 8        | 3274CA Heinenoord    | 1:43                    |                      |
| NK Beatrixstraat 23            | 3274AA Heinenoord    | 0:29                    |                      |
| nK Müllerhaven 10              | 2993EA Barendrecht   | 0:00                    |                      |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord    | 4:20                    |                      |
| nL Steekkant 131               | 2993DB Barendrecht   | 0:00                    |                      |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht   | 0:00                    |                      |
| NM Oosteinde 24                | 3274KC Heinenoord    | 5:21                    |                      |
| nN Steekkant 23                | 2993DB Barendrecht   | 0:00                    |                      |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord    | 4:20                    |                      |
| NO Kooimansland 1              | 3274CJ Heinenoord    | 1:25                    |                      |
| nO Steekkant 50                | 2993DB Barendrecht   | 0:00                    |                      |
| NP Buitenlanden 21             | 3274MB Heinenoord    | 5:58                    |                      |
| nP Steekkant 20                | 2993DB Barendrecht   | 0:00                    |                      |
| nQ Müllerhaven 64              | 2993EA Barendrecht   | 0:00                    |                      |
| NO Marijkestraat 9             | 3274AJ Heinenoord    | 0:42                    |                      |
| nR Kröllerhaven 15             | 2993ED Barendrecht   | 0:00                    |                      |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord    | 4:18                    |                      |
| nS Steekkant 79                | 2993DB Barendrecht   | 0:00                    |                      |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord    | 4:48                    |                      |
| NT Kalesland 6                 | 3274CH Heinenoord    | 1:36                    |                      |
| nT Steekkant 35                | 2993DB Barendrecht   | 0:00                    |                      |
| nU Kröllerhaven 33             | 2993ED Barendrecht   | 0:00                    |                      |
| NU Kooimansland 2              | 3274CJ Heinenoord    | 1:15                    |                      |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord    | 3:44                    |                      |
| nV Swarttouwhaven 38           | 2993HP Barendrecht   | 0:00                    |                      |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord    | 1:25                    |                      |
| nW Kabbelkant 16               | 2993DC Barendrecht   | 0:00                    |                      |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht   | 0:00                    |                      |
| NX Oosteinde 16                | 3274KC Heinenoord    | 7:47                    |                      |
| NY Irenestraat 19              | 3274AD Heinenoord    | 0:37                    |                      |
| nY Meeshaven 18                | 2993HN Barendrecht   | 0:00                    |                      |
| NZ Bernhardstraat 4            | 3274AB Heinenoord    | 0:35                    |                      |
| nZ Ruyshaven 7                 | 2993HM Barendrecht   | 0:00                    |                      |
| O Blaaksedijk West 32          | 3274LE Heinenoord    | 0:00                    |                      |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht   | 2:07                    |                      |
| OA Boerengorzen 2              | 3274CV Heinenoord    | 4:11                    |                      |
| oA Müllerhaven 62              | 2993EA Barendrecht   | 0:00                    |                      |
| oB Smithaven 27                | 2993EC Barendrecht   | 0:00                    |                      |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord    | 1:04                    |                      |
| oC Aalwater 21                 | 2993DD Barendrecht   | 0:00                    |                      |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord    | 4:38                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| oD  | Swarttouwhaven 56 2993HP Barendrecht          | 0:00                                 |
| OD  | Irenestraat 44 3274AE Heinenoord              | 0:46                                 |
| OE  | Kalesland 22 3274CH Heinenoord                | 1:49                                 |
| oE  | Van Hobokenhaven 21 2993HH Barendrecht        | 0:00                                 |
| OF  | Marijkestraat 4 3274AJ Heinenoord             | 0:35                                 |
| oF  | Kröllerhaven 27 2993ED Barendrecht            | 0:00                                 |
| OG  | Wiardi Beckmanhof 1 3274CX Heinenoord         | 2:45                                 |
| oG  | Kröllerhaven 19 2993ED Barendrecht            | 0:00                                 |
| OH  | Emmastraat 2 F 3274AC Heinenoord              | 0:33                                 |
| oH  | Ruyschen 2 2993HM Barendrecht                 | 0:00                                 |
| OI  | Koomansland 22 3274CJ Heinenoord              | 1:11                                 |
| oI  | Koedoed 2 b 2993AL Barendrecht                | 0:00                                 |
| OJ  | Prof. Teldersstraat 26 3274MC Heinenoord      | 5:24                                 |
| oJ  | Swarttouwhaven 60 2993HP Barendrecht          | 0:00                                 |
| OK  | Avenhil 12 3274CT Heinenoord                  | 2:50                                 |
| oK  | Müllerhaven 28 2993EA Barendrecht             | 0:00                                 |
| oL  | Spieringwater 14 2993DM Barendrecht           | 0:00                                 |
| OL  | Martin Luther Kingstraat 46 3274CL Heinenoord | 1:44                                 |
| oM  | Aalwater 7 2993DD Barendrecht                 | 0:00                                 |
| OM  | Heyne van Althenastraat 10 3274CD Heinenoord  | 1:27                                 |
| oN  | Stekkant 34 2993DB Barendrecht                | 0:00                                 |
| ON  | Rietwaard 10 3274MA Heinenoord                | 5:14                                 |
| oO  | Stekkant 61 2993DB Barendrecht                | 0:00                                 |
| OO  | Martin Luther Kingstraat 62 3274CL Heinenoord | 2:08                                 |
| OP  | Avenhil 40 3274CT Heinenoord                  | 3:33                                 |
| oP  | Stekkant 167 2993DB Barendrecht               | 0:00                                 |
| OQ  | Emmastraat 28 3274AC Heinenoord               | 0:34                                 |
| oQ  | Van Hobokenhaven 57 2993HH Barendrecht        | 0:00                                 |
| oR  | Stekkant 159 2993DB Barendrecht               | 0:00                                 |
| OR  | Avenhil 16 3274CT Heinenoord                  | 2:56                                 |
| OS  | Irenestraat 46 3274AE Heinenoord              | 0:48                                 |
| oS  | Kröllerhaven 21 2993ED Barendrecht            | 0:00                                 |
| oT  | Ruyschen 6 2993HM Barendrecht                 | 0:00                                 |
| OT  | Kalesland 5 3274CH Heinenoord                 | 1:51                                 |
| OU  | Oranjestraat 29 3274AK Heinenoord             | 0:45                                 |
| oU  | Koedoed 18 2993AL Barendrecht                 | 0:14                                 |
| OV  | Prof. Teldersstraat 49 3274MC Heinenoord      | 5:32                                 |
| oV  | Van Hobokenhaven 67 2993HH Barendrecht        | 0:00                                 |
| oW  | Swarttouwhaven 54 2993HP Barendrecht          | 0:00                                 |
| OW  | Irenestraat 16 3274AE Heinenoord              | 0:41                                 |
| oX  | Kabbelkant 10 2993DC Barendrecht              | 0:00                                 |
| OX  | De Laagjes 16 3274CB Heinenoord               | 1:46                                 |
| oY  | Smithaven 8 2993EC Barendrecht                | 0:00                                 |
| OY  | Wouter van den Walestr 52 3274CS Heinenoord   | 1:01                                 |
| oZ  | Müllerhaven 26 2993EA Barendrecht             | 0:00                                 |
| OZ  | Martin Luther Kingstraat 24 3274CK Heinenoord | 1:19                                 |
| P   | Blaaksedijk West 33 3274LD Heinenoord         | 0:00                                 |
| •P  | Achterzeedijk 1 a 42 2991SB Barendrecht       | 2:06                                 |
| PA  | Wouter van den Walestr 76 3274CS Heinenoord   | 1:01                                 |
| pA  | Stekkant 163 2993DB Barendrecht               | 0:00                                 |
| pB  | Stekkant 93 2993DB Barendrecht                | 0:00                                 |
| PB  | Avenhil 20 3274CT Heinenoord                  | 3:22                                 |
| PC  | Martin Luther Kingstraat 10 3274CK Heinenoord | 1:08                                 |
| pC  | Van Hobokenhaven 23 2993HH Barendrecht        | 0:00                                 |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 0:53                                 |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 0:00                                 |
| pE  | Stekkant 32 2993DB Barendrecht                | 0:00                                 |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 5:51                                 |
| pF  | Stekkant 99 2993DB Barendrecht                | 0:00                                 |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 4:31                                 |
| pG  | Smithaven 10 2993EC Barendrecht               | 0:00                                 |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 2:59                                 |
| pH  | Aalwater 1 2993DD Barendrecht                 | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values  |          |
|-----|---|--------------------------|----------|
|     |   | Shadow hours<br>per year | [h/year] |
| PH  | Rietwaard 2 3274MA Heinenoord                 | 5:02                     |          |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 3:25                     |          |
| pI  | Stekkant 161 2993DB Barendrecht               | 0:00                     |          |
| pJ  | Kröllehaven 2 2993ED Barendrecht              | 0:00                     |          |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 0:37                     |          |
| pK  | Smithaven 21 2993EC Barendrecht               | 0:00                     |          |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 5:04                     |          |
| PL  | Kalesland 10 3274CH Heinenoord                | 1:35                     |          |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 0:00                     |          |
| PM  | Avenhil 6 3274CT Heinenoord                   | 2:44                     |          |
| pM  | Stekkant 139 2993DB Barendrecht               | 0:00                     |          |
| pN  | Zalmwater 139 2993DX Barendrecht              | 0:00                     |          |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 4:26                     |          |
| pO  | Kröllehaven 47 2993ED Barendrecht             | 0:00                     |          |
| PO  | Kalesland 26 3274CH Heinenoord                | 1:52                     |          |
| pP  | Stekkant 9 2993DB Barendrecht                 | 0:00                     |          |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 5:04                     |          |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 1:34                     |          |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 0:00                     |          |
| PR  | Hermannushof 10 3274CE Heinenoord             | 2:16                     |          |
| pR  | Stekkant 95 2993DB Barendrecht                | 0:00                     |          |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 0:00                     |          |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 1:55                     |          |
| pT  | Smithaven 25 2993EC Barendrecht               | 0:00                     |          |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 0:56                     |          |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 2:33                     |          |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 0:00                     |          |
| pV  | Smithaven 23 2993EC Barendrecht               | 0:00                     |          |
| PV  | Irenestraat 12 3274AE Heinenoord              | 0:40                     |          |
| pW  | Stekkant 28 2993DB Barendrecht                | 0:00                     |          |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 2:21                     |          |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 0:00                     |          |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 1:18                     |          |
| pY  | Stekkant 5 2993DB Barendrecht                 | 0:00                     |          |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 4:57                     |          |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 0:33                     |          |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 0:00                     |          |
| Q   | Blaaksedijk West 47 3274LD Heinenoord         | 0:23                     |          |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 2:07                     |          |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 0:00                     |          |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 7:04                     |          |
| QB  | Koimansland 12 3274CJ Heinenoord              | 1:14                     |          |
| qB  | Stekkant 6 2993DB Barendrecht                 | 0:00                     |          |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 0:32                     |          |
| qC  | Stekkant 25 2993DB Barendrecht                | 0:00                     |          |
| QD  | Avenhil 11 3274CT Heinenoord                  | 2:39                     |          |
| qD  | Smithaven 51 2993EC Barendrecht               | 0:00                     |          |
| QE  | De Laagjes 17 3274CB Heinenoord               | 1:48                     |          |
| qE  | Müllerhaven 22 2993EA Barendrecht             | 0:00                     |          |
| qF  | Stekkant 143 2993DB Barendrecht               | 0:00                     |          |
| QF  | Marijkestraat 7 3274AJ Heinenoord             | 0:41                     |          |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 0:00                     |          |
| QG  | Avenhil 34 3274CT Heinenoord                  | 3:34                     |          |
| qH  | Stekkant 7 2993DB Barendrecht                 | 0:00                     |          |
| QH  | Koimansland 14 3274CJ Heinenoord              | 1:13                     |          |
| QI  | Irenestraat 13 3274AD Heinenoord              | 0:37                     |          |
| qI  | Stekkant 45 2993DB Barendrecht                | 0:00                     |          |
| QJ  | Martin Luther Kingstraat 68 3274CL Heinenoord | 2:17                     |          |
| qJ  | Koedood 25 2993AL Barendrecht                 | 0:00                     |          |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord      | 4:14                     |          |
| qK  | Stekkant 47 2993DB Barendrecht                | 0:00                     |          |
| QL  | Andries Woutershof 24 3274CA Heinenoord       | 1:56                     |          |
| qL  | Aalwater 10 2993DD Barendrecht                | 0:00                     |          |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht       | 0:00                    |                      |
| QM  | De Laagjes 19 3274CB Heinenoord              | 1:48                    |                      |
| QN  | Kalesland 38 3274CH Heinenoord               | 2:00                    |                      |
| qn  | Müllerhaven 46 2993EA Barendrecht            | 0:00                    |                      |
| qO  | Müllerhaven 68 2993EA Barendrecht            | 0:00                    |                      |
| QO  | Marijkestraat 21 3274AJ Heinenoord           | 0:51                    |                      |
| qP  | Steurwater 1 2993DE Barendrecht              | 0:00                    |                      |
| QP  | De Laagjes 4 3274CB Heinenoord               | 1:28                    |                      |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord   | 1:16                    |                      |
| qQ  | Koedood 6 2993AL Barendrecht                 | 0:00                    |                      |
| qR  | Zalmwater 157 2993DX Barendrecht             | 0:00                    |                      |
| QR  | Bernhardstraat 3 3274AB Heinenoord           | 0:31                    |                      |
| qS  | Spieringwater 4 2993DM Barendrecht           | 0:00                    |                      |
| QS  | Oosteinde 37 3274KB Heinenoord               | 5:39                    |                      |
| QT  | De Laagjes 28 3274CB Heinenoord              | 2:00                    |                      |
| qT  | Spieringwater 10 2993DM Barendrecht          | 0:00                    |                      |
| QU  | Thorbeckehof 3 3274CP Heinenoord             | 2:20                    |                      |
| qU  | Spieringwater 2 2993DM Barendrecht           | 0:00                    |                      |
| qV  | Stekkant 54 2993DB Barendrecht               | 0:00                    |                      |
| QV  | De Laagjes 20 3274CB Heinenoord              | 1:50                    |                      |
| QW  | Buitelanden 4 3274MB Heinenoord              | 7:39                    |                      |
| qW  | Swarttouwhaven 62 2993HP Barendrecht         | 0:00                    |                      |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord       | 3:00                    |                      |
| qX  | Steurwater 11 2993DE Barendrecht             | 0:00                    |                      |
| QY  | Emmastraat 2 E 3274AC Heinenoord             | 0:34                    |                      |
| qY  | Swarttouwhaven 36 2993HP Barendrecht         | 0:00                    |                      |
| qZ  | Kabbelkant 14 2993DC Barendrecht             | 0:00                    |                      |
| QZ  | Koomansland 8 3274CJ Heinenoord              | 1:16                    |                      |
| R   | Blaakse dijk West 24 3274LE Heinenoord       | 0:00                    |                      |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht      | 2:09                    |                      |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord   | 1:39                    |                      |
| rA  | Stekkant 41 2993DB Barendrecht               | 0:00                    |                      |
| rB  | Stekkant 81 2993DB Barendrecht               | 0:00                    |                      |
| RB  | Boerengorzen 3 3274CV Heinenoord             | 4:35                    |                      |
| RC  | Kalesland 70 3274CH Heinenoord               | 2:27                    |                      |
| rC  | Koedood 14 2993AL Barendrecht                | 0:29                    |                      |
| rD  | Müllerhaven 40 2993EA Barendrecht            | 0:00                    |                      |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord       | 3:50                    |                      |
| rE  | Aalwater 11 2993DD Barendrecht               | 0:00                    |                      |
| RE  | Avenhil 28 3274CT Heinenoord                 | 3:41                    |                      |
| rF  | Smithaven 37 2993EC Barendrecht              | 0:00                    |                      |
| RF  | Oosteinde 22 3274KC Heinenoord               | 5:45                    |                      |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht       | 0:00                    |                      |
| RG  | Andries Woutershof 16 3274CA Heinenoord      | 1:53                    |                      |
| rH  | Aalwater 15 2993DD Barendrecht               | 0:00                    |                      |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord     | 5:43                    |                      |
| rI  | Stekkant 85 2993DB Barendrecht               | 0:00                    |                      |
| RI  | Emmastraat 34 3274AC Heinenoord              | 0:30                    |                      |
| rJ  | Zalmwater 141 2993DX Barendrecht             | 0:00                    |                      |
| RJ  | Oranjestraat 23 3274AK Heinenoord            | 0:41                    |                      |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord   | 5:45                    |                      |
| rK  | Smithaven 12 2993EC Barendrecht              | 0:00                    |                      |
| rL  | Stekkant 44 2993DB Barendrecht               | 0:00                    |                      |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord | 1:27                    |                      |
| RM  | Oranjestraat 17 3274AK Heinenoord            | 0:35                    |                      |
| rM  | Stekkant 4 2993DB Barendrecht                | 0:00                    |                      |
| RN  | Buitelanden 13 3274MB Heinenoord             | 6:15                    |                      |
| rN  | Van Hobokenhaven 37 2993HH Barendrecht       | 0:00                    |                      |
| RO  | Bernhardstraat 2 3274AB Heinenoord           | 0:35                    |                      |
| rO  | Van Hobokenhaven 19 2993HH Barendrecht       | 0:00                    |                      |
| RP  | Buitelanden 17 3274MB Heinenoord             | 6:08                    |                      |
| rP  | Calandhaven 1 2993HL Barendrecht             | 0:00                    |                      |
| rQ  | Koedood 22 2993AL Barendrecht                | 0:09                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| RQ  | Marijkestraat 1 C 3274AJ Heinenoord           | 0:35                                 |
| RR  | Irenestraat 40 3274AE Heinenoord              | 0:43                                 |
| rR  | Aalwater 2 2993DD Barendrecht                 | 0:00                                 |
| rS  | Stekkant 103 2993DB Barendrecht               | 0:00                                 |
| RS  | Bernhardstraat 16 3274AB Heinenoord           | 0:41                                 |
| RT  | Buitelanden 12 3274MB Heinenoord              | 6:53                                 |
| rT  | Aalwater 5 2993DD Barendrecht                 | 0:00                                 |
| rU  | Kröllerhaven 31 2993ED Barendrecht            | 0:00                                 |
| RU  | Wouter van den Walestr 26 3274CR Heinenoord   | 0:57                                 |
| rV  | Smithaven 53 2993EC Barendrecht               | 0:00                                 |
| RV  | Boerengorzen 9 3274CV Heinenoord              | 4:28                                 |
| rW  | Müllerhaven 30 2993EA Barendrecht             | 0:00                                 |
| RW  | Emmastraat 3 3274AC Heinenoord                | 0:35                                 |
| rX  | Swarttouwhaven 58 2993HP Barendrecht          | 0:00                                 |
| RX  | De Laagjes 2 3274CB Heinenoord                | 1:25                                 |
| rY  | Vederhaven 15 2993EB Barendrecht              | 0:00                                 |
| RY  | Kooimansland 28 3274CJ Heinenoord             | 1:18                                 |
| rZ  | Smithaven 57 2993EC Barendrecht               | 0:00                                 |
| RZ  | Prof. Teldersstraat 31 3274MC Heinenoord      | 5:07                                 |
| S   | Reedijk 3 A 3274KE Heinenoord                 | 0:00                                 |
| •S  | Achterzeedijk 1 a 45 2991SB Barendrecht       | 2:17                                 |
| sA  | Swarttouwhaven 26 2993HP Barendrecht          | 0:00                                 |
| SA  | Wouter van den Walestr 18 3274CR Heinenoord   | 0:56                                 |
| SB  | Oranjestraat 15 3274AK Heinenoord             | 0:34                                 |
| sB  | Smithaven 29 2993EC Barendrecht               | 0:00                                 |
| SC  | Heyne van Althenastraat 26 3274CD Heinenoord  | 1:42                                 |
| sC  | Stekkant 145 2993DB Barendrecht               | 0:00                                 |
| SD  | Martin Luther Kingstraat 48 3274CL Heinenoord | 1:46                                 |
| sD  | Aalwater 3 2993DD Barendrecht                 | 0:00                                 |
| SE  | Willem de Zwijgerstraat 8 3274AL Heinenoord   | 0:26                                 |
| sE  | Zalmwater 153 2993DX Barendrecht              | 0:00                                 |
| SF  | John F. Kennedystraat 36 3274CG Heinenoord    | 4:49                                 |
| sF  | Vederhaven 17 2993EB Barendrecht              | 0:00                                 |
| SG  | Wouter van den Walestr 44 3274CS Heinenoord   | 1:02                                 |
| sG  | Swarttouwhaven 34 2993HP Barendrecht          | 0:00                                 |
| SH  | Wiardi Beckmanhof 12 3274CX Heinenoord        | 2:47                                 |
| sH  | Müllerhaven 76 2993EA Barendrecht             | 0:00                                 |
| SI  | Margrietstraat 14 3274AH Heinenoord           | 0:53                                 |
| sI  | Meeshaven 14 2993HN Barendrecht               | 0:00                                 |
| sJ  | Smithaven 20 2993EC Barendrecht               | 0:00                                 |
| SJ  | Prof. Teldersstraat 43 3274MC Heinenoord      | 5:26                                 |
| SK  | De Laagjes 18 3274CB Heinenoord               | 1:49                                 |
| sK  | Stekkant 123 2993DB Barendrecht               | 0:00                                 |
| SL  | Wouter van den Walestr 56 3274CS Heinenoord   | 1:00                                 |
| sL  | Stekkant 59 2993DB Barendrecht                | 0:00                                 |
| sM  | Stekkant 39 2993DB Barendrecht                | 0:00                                 |
| SM  | Zomerlandseweg 2 3274LX Heinenoord            | 5:53                                 |
| sN  | Müllerhaven 66 2993EA Barendrecht             | 0:00                                 |
| SN  | Spuihelden 21 3274CM Heinenoord               | 2:22                                 |
| sO  | Steurwater 7 2993DE Barendrecht               | 0:00                                 |
| SO  | Kooimansland 36 3274CJ Heinenoord             | 1:26                                 |
| SP  | John F. Kennedystraat 7 3274CG Heinenoord     | 1:09                                 |
| sP  | Stekkant 155 2993DB Barendrecht               | 0:00                                 |
| sQ  | Meeshaven 8 2993HN Barendrecht                | 0:00                                 |
| SQ  | Hermannushof 24 3274CE Heinenoord             | 2:40                                 |
| sR  | Stekkant 27 2993DB Barendrecht                | 0:00                                 |
| SR  | Kooimansland 11 3274CJ Heinenoord             | 1:32                                 |
| sS  | Aalwater 17 2993DD Barendrecht                | 0:00                                 |
| SS  | Hermannushof 26 3274CE Heinenoord             | 2:39                                 |
| sT  | Stekkant 119 2993DB Barendrecht               | 0:00                                 |
| ST  | Oosteinde 28 3274KC Heinenoord                | 4:31                                 |
| SU  | Irenestraat 21 3274AD Heinenoord              | 0:37                                 |
| sU  | Kröllerhaven 4 2993ED Barendrecht             | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| sV  | Ruyschen 9 2993HM Barendrecht               | 0:00                    |                      |
| SV  | Bernhardstraat 12 3274AB Heinenoord         | 0:40                    |                      |
| SW  | Spuibedden 2 3274CM Heinenoord              | 2:20                    |                      |
| sW  | Spieringwater 6 2993DM Barendrecht          | 0:00                    |                      |
| SX  | Emmastraat 26 3274AC Heinenoord             | 0:35                    |                      |
| sX  | Swarttouwhaven 28 2993HP Barendrecht        | 0:00                    |                      |
| SY  | Rietwaard 1 3274MA Heinenoord               | 5:33                    |                      |
| sY  | Ruyschen 11 2993HM Barendrecht              | 0:00                    |                      |
| sZ  | Swarttouwhaven 66 2993HP Barendrecht        | 0:00                    |                      |
| SZ  | John F. Kennedystraat 26 3274CG Heinenoord  | 4:22                    |                      |
| T   | Blaaksedijk West 43 3274LD Heinenoord       | 0:00                    |                      |
| •T  | Achterzeedijk 1 a 46 2991SB Barendrecht     | 2:20                    |                      |
| tA  | Van Hobokenhaven 65 2993HH Barendrecht      | 0:00                    |                      |
| TA  | Prof. Teldersstraat 15 3274CZ Heinenoord    | 4:13                    |                      |
| TB  | Wouter van den Walestr 12 3274CR Heinenoord | 0:55                    |                      |
| tB  | Smithaven 31 2993EC Barendrecht             | 0:00                    |                      |
| tC  | Steekkant 137 2993DB Barendrecht            | 0:00                    |                      |
| TC  | Avenhil 24 3274CT Heinenoord                | 3:19                    |                      |
| tD  | Steekkant 105 2993DB Barendrecht            | 0:00                    |                      |
| TD  | Prof. Teldersstraat 21 3274CZ Heinenoord    | 4:37                    |                      |
| TE  | De Laagjes 5 3274CB Heinenoord              | 1:31                    |                      |
| tE  | Zalmwater 133 2993DX Barendrecht            | 0:00                    |                      |
| TF  | John F. Kennedystraat 57 3274CG Heinenoord  | 2:19                    |                      |
| tF  | Kröllerhaven 43 2993ED Barendrecht          | 0:00                    |                      |
| tG  | Van Hobokenhaven 15 2993HH Barendrecht      | 0:00                    |                      |
| TG  | Rietwaard 14 3274MA Heinenoord              | 5:13                    |                      |
| tH  | Steekkant 11 2993DB Barendrecht             | 0:00                    |                      |
| TH  | Koimansland 10 3274CJ Heinenoord            | 1:12                    |                      |
| TI  | Abraham Kuyperhof 7 3274CW Heinenoord       | 3:17                    |                      |
| ti  | Steekkant 67 2993DB Barendrecht             | 0:00                    |                      |
| tj  | Steekkant 52 2993DB Barendrecht             | 0:00                    |                      |
| TJ  | Kalesland 4 3274CH Heinenoord               | 1:35                    |                      |
| tK  | Müllerhaven 82 2993EA Barendrecht           | 0:00                    |                      |
| TK  | Oranjestraat 20 3274AK Heinenoord           | 0:28                    |                      |
| tL  | Müllerhaven 34 2993EA Barendrecht           | 0:00                    |                      |
| TL  | Dreeshof 2 3274CC Heinenoord                | 2:06                    |                      |
| TM  | Hermannushof 16 3274CE Heinenoord           | 2:24                    |                      |
| tM  | Steekkant 31 2993DB Barendrecht             | 0:00                    |                      |
| TN  | Wiardi Beckmanhof 14 3274CX Heinenoord      | 3:01                    |                      |
| tN  | Vederhaven 1 2993EB Barendrecht             | 0:00                    |                      |
| TO  | Wiardi Beckmanhof 2 3274CX Heinenoord       | 2:44                    |                      |
| tO  | Müllerhaven 50 2993EA Barendrecht           | 0:00                    |                      |
| tP  | Koedood 4 2993AL Barendrecht                | 0:00                    |                      |
| TP  | Beatrixstraat 17 3274AA Heinenoord          | 0:29                    |                      |
| tQ  | Smithaven 49 2993EC Barendrecht             | 0:00                    |                      |
| TQ  | John F. Kennedystraat 37 3274CG Heinenoord  | 1:43                    |                      |
| tR  | Koedood 2 a 2993AL Barendrecht              | 0:00                    |                      |
| TR  | Oranjestraat 11 A 3274AK Heinenoord         | 0:27                    |                      |
| TS  | Spuibedden 5 3274CM Heinenoord              | 2:01                    |                      |
| tS  | Kröllerhaven 6 2993ED Barendrecht           | 0:00                    |                      |
| TT  | Prof. Teldersstraat 4 3274MC Heinenoord     | 5:07                    |                      |
| tT  | Smithaven 22 2993EC Barendrecht             | 0:00                    |                      |
| TU  | Dorpsstraat 32 3274BD Heinenoord            | 0:30                    |                      |
| tU  | Steekkant 121 2993DB Barendrecht            | 0:00                    |                      |
| tV  | Steekkant 135 2993DB Barendrecht            | 0:00                    |                      |
| TV  | Prof. Teldersstraat 12 3274MC Heinenoord    | 5:02                    |                      |
| TW  | Marijkestraat 5 3274AJ Heinenoord           | 0:40                    |                      |
| tW  | Steekkant 113 2993DB Barendrecht            | 0:00                    |                      |
| tX  | Smithaven 55 2993EC Barendrecht             | 0:00                    |                      |
| TX  | Kalesland 9 3274CH Heinenoord               | 1:51                    |                      |
| TY  | Boerengorzen 11 3274CV Heinenoord           | 4:29                    |                      |
| tY  | Steekkant 56 2993DB Barendrecht             | 0:00                    |                      |
| TZ  | Irenestraat 18 3274AE Heinenoord            | 0:41                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| tZ Smithaven 45 2993EC Barendrecht               | 0:00 |                                      |
| U Blaaksedijk West 29 3274LD Heinenoord          | 0:00 |                                      |
| •U Achterzeedijk 1 a 47 2991SB Barendrecht       | 2:25 |                                      |
| uA Müllerhaven 16 2993EA Barendrecht             | 0:00 |                                      |
| UA Wouter van den Walestr 64 3274CS Heinenoord   | 1:02 |                                      |
| UB Avenhil 35 3274CT Heinenoord                  | 3:46 |                                      |
| uB Swarttouwhaven 68 2993HP Barendrecht          | 0:00 |                                      |
| UC Beatrixstraat 29 3274AA Heinenoord            | 0:29 |                                      |
| uC Steekkant 30 2993DB Barendrecht               | 0:00 |                                      |
| uD Steekkant 38 2993DB Barendrecht               | 0:00 |                                      |
| UD Wiardi Beckmanhof 3 3274CX Heinenoord         | 2:44 |                                      |
| UE Martin Luther Kingstraat 2 3274CK Heinenoord  | 1:04 |                                      |
| uE Meeshaven 3 2993HN Barendrecht                | 0:00 |                                      |
| UF Rietwaard 7 3274MA Heinenoord                 | 5:43 |                                      |
| uF Van Hobokenhaven 51 2993HH Barendrecht        | 0:00 |                                      |
| uG Steekkant 42 2993DB Barendrecht               | 0:00 |                                      |
| UG Dorpsstraat 9 3274BB Heinenoord               | 1:08 |                                      |
| UH Oranjestraat 13 3274AK Heinenoord             | 0:33 |                                      |
| uH Meeshaven 1 2993HN Barendrecht                | 0:00 |                                      |
| uI Steekkant 69 2993DB Barendrecht               | 0:00 |                                      |
| UI Avenhil 4 3274CT Heinenoord                   | 2:55 |                                      |
| UJ De Laagjes 15 3274CB Heinenoord               | 1:47 |                                      |
| uJ Aalwater 22 2993DD Barendrecht                | 0:00 |                                      |
| UK Bernhardstraat 8 3274AB Heinenoord            | 0:38 |                                      |
| uK Steekkant 29 2993DB Barendrecht               | 0:00 |                                      |
| uL Steurwater 9 2993DE Barendrecht               | 0:00 |                                      |
| UL Margrietstraat 13 3274AH Heinenoord           | 0:46 |                                      |
| uM Smithaven 47 2993EC Barendrecht               | 0:00 |                                      |
| UM Irenestraat 15 3274AD Heinenoord              | 0:37 |                                      |
| uN Meeshaven 12 2993HN Barendrecht               | 0:00 |                                      |
| UN Rietwaard 26 3274MA Heinenoord                | 8:52 |                                      |
| uO Meeshaven 15 2993HN Barendrecht               | 0:00 |                                      |
| UO Avenhil 42 3274CT Heinenoord                  | 3:33 |                                      |
| uP Steekkant 117 2993DB Barendrecht              | 0:00 |                                      |
| UP Dreeshof 10 3274CC Heinenoord                 | 2:04 |                                      |
| uQ Steekkant 36 2993DB Barendrecht               | 0:00 |                                      |
| UQ Oosteinde 20 3274KC Heinenoord                | 6:35 |                                      |
| uR Calandhaven 7 2993HL Barendrecht              | 0:00 |                                      |
| UR John F. Kennedystraat 69 3274CG Heinenoord    | 3:50 |                                      |
| US De Laagjes 30 3274CB Heinenoord               | 2:02 |                                      |
| uS Calandhaven 5 2993HL Barendrecht              | 0:00 |                                      |
| UT Martin Luther Kingstraat 8 3274CK Heinenoord  | 1:02 |                                      |
| uT Van Hobokenhaven 55 2993HH Barendrecht        | 0:00 |                                      |
| UU Wiardi Beckmanhof 16 3274CX Heinenoord        | 3:03 |                                      |
| uU Kröllerhaven 25 2993ED Barendrecht            | 0:00 |                                      |
| uV Kröllerhaven 8 2993ED Barendrecht             | 0:00 |                                      |
| UV Thorbeckehof 9 3274CP Heinenoord              | 2:16 |                                      |
| uW Van Hobokenhaven 31 2993HH Barendrecht        | 0:00 |                                      |
| UW Emmastraat 24 3274AC Heinenoord               | 0:50 |                                      |
| UX John F. Kennedystraat 71 3274CG Heinenoord    | 3:54 |                                      |
| uX Steekkant 125 2993DB Barendrecht              | 0:00 |                                      |
| UY Avenhil 7 3274CT Heinenoord                   | 2:42 |                                      |
| uY Steekkant 157 2993DB Barendrecht              | 0:00 |                                      |
| UZ Irenestraat 34 3274AE Heinenoord              | 0:48 |                                      |
| uZ Steekkant 43 2993DB Barendrecht               | 0:00 |                                      |
| V Blaaksedijk West 25 3274LD Heinenoord          | 0:00 |                                      |
| •V Achterzeedijk 1 a 48 2991SB Barendrecht       | 2:28 |                                      |
| vA Swarttouwhaven 22 2993HP Barendrecht          | 0:00 |                                      |
| VA Martin Luther Kingstraat 12 3274CK Heinenoord | 1:10 |                                      |
| vB Aalwater 6 2993DD Barendrecht                 | 0:00 |                                      |
| VB Buitelanden 2 3274MB Heinenoord               | 8:03 |                                      |
| vC Steekkant 49 2993DB Barendrecht               | 0:00 |                                      |
| VC Abraham Kuyperhof 1 3274CW Heinenoord         | 3:27 |                                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.                            | Name               | Shadow, expected values              |
|--------------------------------|--------------------|--------------------------------------|
|                                |                    | Shadow hours<br>per year<br>[h/year] |
| vD Steekkant 141               | 2993DB Barendrecht | 0:00                                 |
| VD Kalesland 76                | 3274CH Heinenoord  | 2:18                                 |
| vE Meeshaven 6                 | 2993HN Barendrecht | 0:00                                 |
| VE Dreeshof 6                  | 3274CC Heinenoord  | 2:04                                 |
| VF John F. Kennedystraat 73    | 3274CG Heinenoord  | 3:59                                 |
| vF Meeshaven 10                | 2993HN Barendrecht | 0:00                                 |
| VG Dreeshof 7                  | 3274CC Heinenoord  | 1:43                                 |
| VG Meeshaven 16                | 2993HN Barendrecht | 0:00                                 |
| vH Müllerhaven 78              | 2993EA Barendrecht | 0:00                                 |
| VH Dorpsstraat 3               | 3274BB Heinenoord  | 1:32                                 |
| vi Steekkant 3                 | 2993DB Barendrecht | 0:00                                 |
| VI Beatrixstraat 46            | 3274AA Heinenoord  | 0:32                                 |
| VJ Oranjestraat 24             | 3274AK Heinenoord  | 0:30                                 |
| vJ Steekkant 8                 | 2993DB Barendrecht | 0:00                                 |
| vk Steekkant 65                | 2993DB Barendrecht | 0:00                                 |
| VK Avenhil 21                  | 3274CT Heinenoord  | 3:25                                 |
| VL Müllerhaven 20              | 2993EA Barendrecht | 0:00                                 |
| VL Irenestraat 42              | 3274AE Heinenoord  | 0:44                                 |
| VM Kröllerhaven 17             | 2993ED Barendrecht | 0:00                                 |
| VM Irenestraat 5               | 3274AD Heinenoord  | 0:36                                 |
| vN Steurwater 3                | 2993DE Barendrecht | 0:00                                 |
| VN Prof. Teldersstraat 53      | 3274MC Heinenoord  | 5:36                                 |
| vO Steekkant 97                | 2993DB Barendrecht | 0:00                                 |
| VO Wouter van den Walestr 38   | 3274CS Heinenoord  | 0:57                                 |
| VP Martin Luther Kingstraat 22 | 3274CK Heinenoord  | 1:18                                 |
| vP Vederhaven 9                | 2993EB Barendrecht | 0:00                                 |
| vQ Müllerhaven 2               | 2993EA Barendrecht | 0:00                                 |
| VO Avenhil 33                  | 3274CT Heinenoord  | 3:50                                 |
| vR Vederhaven 19               | 2993EB Barendrecht | 0:00                                 |
| VR Oosteinde 4                 | 3274KC Heinenoord  | 8:42                                 |
| VS Buitenlanden 3              | 3274MB Heinenoord  | 6:45                                 |
| vS Smithaven 41                | 2993EC Barendrecht | 0:00                                 |
| VT Martin Luther Kingstraat 64 | 3274CL Heinenoord  | 2:14                                 |
| vT Van Hobokenhaven 29         | 2993HH Barendrecht | 0:00                                 |
| VU Buitenlanden 15             | 3274MB Heinenoord  | 6:11                                 |
| vU Zalmwater 147               | 2993DX Barendrecht | 0:00                                 |
| vV Swarttouwhaven 64           | 2993HP Barendrecht | 0:00                                 |
| VV Rietwaard 8                 | 3274MA Heinenoord  | 5:13                                 |
| VW Martin Luther Kingstraat 42 | 3274CL Heinenoord  | 1:40                                 |
| vW Aalwater 12                 | 2993DD Barendrecht | 0:00                                 |
| vX Kröllerhaven 55             | 2993ED Barendrecht | 0:00                                 |
| VX De Laagjes 10               | 3274CB Heinenoord  | 1:33                                 |
| vY Meeshaven 13                | 2993HN Barendrecht | 0:00                                 |
| VY Martin Luther Kingstraat 16 | 3274CK Heinenoord  | 1:13                                 |
| vZ Meeshaven 11                | 2993HN Barendrecht | 0:00                                 |
| VZ Wouter van den Walestr 78   | 3274CS Heinenoord  | 1:01                                 |
| W Blaaksedijk West 30          | 3274LE Heinenoord  | 0:00                                 |
| •W Achterzeedijk 1 a 49        | 2991SB Barendrecht | 2:52                                 |
| WA Marijkestraat 12            | 3274AJ Heinenoord  | 0:56                                 |
| wA Koedood 20                  | 2993AL Barendrecht | 0:15                                 |
| WB Wouter van den Walestr 16   | 3274CR Heinenoord  | 0:56                                 |
| wB Zalmwater 145               | 2993DX Barendrecht | 0:00                                 |
| WC Talmahof 10                 | 3274CN Heinenoord  | 1:33                                 |
| wC Zalmwater 149               | 2993DX Barendrecht | 0:00                                 |
| WD Beatrixstraat 27            | 3274AA Heinenoord  | 0:29                                 |
| wD Kröllerhaven 49             | 2993ED Barendrecht | 0:00                                 |
| wE Zalmwater 135               | 2993DX Barendrecht | 0:00                                 |
| WE Oosteinde 18                | 3274KC Heinenoord  | 7:34                                 |
| WF Spuibelden 11               | 3274CM Heinenoord  | 2:01                                 |
| wF Steekkant 26                | 2993DB Barendrecht | 0:00                                 |
| WG Avenhil 17                  | 3274CT Heinenoord  | 2:54                                 |
| wG Steekkant 46                | 2993DB Barendrecht | 0:00                                 |
| WH Oosteinde 33                | 3274KB Heinenoord  | 6:45                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| wH Koedood 23 2993AL Barendrecht                 | 0:00 |                                      |
| WI Avenhil 39 3274CT Heinenoord                  | 4:03 |                                      |
| wI Meeshaven 17 2993HN Barendrecht               | 0:00 |                                      |
| wJ Swarttouwhaven 2 2993HP Barendrecht           | 0:00 |                                      |
| WJ Dorpsstraat 26 3274BD Heinenoord              | 0:34 |                                      |
| wK Steekkant 165 2993DB Barendrecht              | 0:00 |                                      |
| WK Prof. Teldersstraat 25 3274CZ Heinenoord      | 4:39 |                                      |
| wL Meeshaven 4 2993HN Barendrecht                | 0:00 |                                      |
| WL Kooimansland 24 3274CJ Heinenoord             | 1:15 |                                      |
| wM Meeshaven 9 2993HN Barendrecht                | 0:00 |                                      |
| WM De Laagjes 1 3274CB Heinenoord                | 1:28 |                                      |
| WN Hermannushof 8 3274CE Heinenoord              | 2:13 |                                      |
| wN Vederhaven 5 2993EB Barendrecht               | 0:00 |                                      |
| wO Koedood 27 2993AL Barendrecht                 | 0:00 |                                      |
| WO Bernhardstraat 7 3274AB Heinenoord            | 0:31 |                                      |
| wP Swarttouwhaven 4 2993HP Barendrecht           | 0:00 |                                      |
| WP Andries Woutershof 4 3274CA Heinenoord        | 1:39 |                                      |
| WQ Bernhardstraat 18 3274AB Heinenoord           | 0:44 |                                      |
| wQ Swarttouwhaven 6 2993HP Barendrecht           | 0:00 |                                      |
| wR Kröllerhaven 10 2993ED Barendrecht            | 0:00 |                                      |
| WR Spuivelden 19 3274CM Heinenoord               | 2:25 |                                      |
| wS Smithaven 24 2993EC Barendrecht               | 0:00 |                                      |
| WS Kalesland 40 3274CH Heinenoord                | 2:03 |                                      |
| WT Irenestraat 24 3274AE Heinenoord              | 0:43 |                                      |
| wT Kröllerhaven 45 2993ED Barendrecht            | 0:00 |                                      |
| WU Kalesland 30 3274CH Heinenoord                | 1:57 |                                      |
| wU Smithaven 16 2993EC Barendrecht               | 0:00 |                                      |
| WV Kalesland 42 3274CH Heinenoord                | 2:04 |                                      |
| wV Steekkant 151 2993DB Barendrecht              | 0:00 |                                      |
| WW De Laagjes 36 3274CB Heinenoord               | 2:11 |                                      |
| wW Kröllerhaven 35 2993ED Barendrecht            | 0:00 |                                      |
| WX Martin Luther Kingstraat 28 3274CK Heinenoord | 1:26 |                                      |
| wX Steekkant 58 2993DB Barendrecht               | 0:00 |                                      |
| WY Prof. Teldersstraat 45 3274MC Heinenoord      | 5:27 |                                      |
| wY Ruyshaven 1 2993HM Barendrecht                | 0:00 |                                      |
| wZ Zalmwater 137 2993DX Barendrecht              | 0:00 |                                      |
| WZ Oranjestraat 28 3274AK Heinenoord             | 0:33 |                                      |
| X Reedijk 4 3274KE Heinenoord                    | 0:00 |                                      |
| *X Achterzeedijk 1 a 50 2991SB Barendrecht       | 2:44 |                                      |
| XA John F. Kennedystraat 75 3274CG Heinenoord    | 4:02 |                                      |
| xA Müllerhaven 38 2993EA Barendrecht             | 0:00 |                                      |
| xB Steekkant 18 2993DB Barendrecht               | 0:00 |                                      |
| XB Thorbeckehof 7 3274CP Heinenoord              | 2:18 |                                      |
| xC Steekkant 21 2993DB Barendrecht               | 0:00 |                                      |
| XC Abraham Kuyperhof 13 3274CW Heinenoord        | 3:46 |                                      |
| xD Vederhaven 13 2993EB Barendrecht              | 0:00 |                                      |
| XD John F. Kennedystraat 51 3274CG Heinenoord    | 2:10 |                                      |
| xE Van Hobokenhoven 17 2993HH Barendrecht        | 0:00 |                                      |
| XE John F. Kennedystraat 17 3274CG Heinenoord    | 1:15 |                                      |
| xF Kabbelkant 12 2993DC Barendrecht              | 0:00 |                                      |
| XF Oranjestraat 21 3274AK Heinenoord             | 0:40 |                                      |
| xG Müllerhaven 14 2993EA Barendrecht             | 0:00 |                                      |
| XG Avenhil 38 3274CT Heinenoord                  | 3:58 |                                      |
| xH Steekkant 71 2993DB Barendrecht               | 0:00 |                                      |
| XH De Laagjes 14 3274CB Heinenoord               | 1:42 |                                      |
| XI Emmastraat 9 3274AC Heinenoord                | 0:39 |                                      |
| xi Swarttouwhaven 50 2993HP Barendrecht          | 0:00 |                                      |
| XJ Abraham Kuyperhof 4 3274CW Heinenoord         | 3:24 |                                      |
| xJ Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| xK Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| KK Boerengorzen 6 3274CV Heinenoord              | 4:03 |                                      |
| XL Kalesland 17 3274CH Heinenoord                | 2:03 |                                      |
| xL Weerkant 60 2993DA Barendrecht                | 0:00 |                                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| xM  | Spieringwater 1 2993DM Barendrecht            | 0:00                                 |
| XM  | Julianalaan 36 3274AG Heinenoord              | 0:25                                 |
| xN  | Weerkant 134 2993DA Barendrecht               | 0:00                                 |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 0:33                                 |
| xO  | Harderwater 78 2993DW Barendrecht             | 0:00                                 |
| XO  | Talmahof 3 3274CN Heinenoord                  | 1:18                                 |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 1:27                                 |
| xP  | Harderwater 76 2993DW Barendrecht             | 0:00                                 |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 1:56                                 |
| xQ  | Weerkant 17 2993DA Barendrecht                | 0:00                                 |
| xR  | Kuilkant 167 2993DV Barendrecht               | 0:00                                 |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 0:53                                 |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 0:32                                 |
| xS  | Weerkant 38 2993DA Barendrecht                | 0:00                                 |
| xt  | Weerkant 14 2993DA Barendrecht                | 0:00                                 |
| XT  | Hermannushof 20 3274CE Heinenoord             | 2:44                                 |
| xU  | Weerkant 132 2993DA Barendrecht               | 0:00                                 |
| XU  | Kalesland 50 3274CH Heinenoord                | 2:12                                 |
| xV  | Weerkant 19 2993DA Barendrecht                | 0:00                                 |
| XV  | Buitenlanden 6 3274MB Heinenoord              | 7:23                                 |
| XW  | Avenhil 1 3274CT Heinenoord                   | 3:02                                 |
| xW  | Harderwater 80 2993DW Barendrecht             | 0:00                                 |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 0:47                                 |
| xX  | Weerkant 12 2993DA Barendrecht                | 0:00                                 |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 3:50                                 |
| xY  | Zalmwater 115 2993DX Barendrecht              | 0:00                                 |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 3:36                                 |
| xZ  | Weerkant 112 2993DA Barendrecht               | 0:00                                 |
| Y   | Blaakseindijk West 35 3274LD Heinenoord       | 0:00                                 |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 2:41                                 |
| yA  | Weerkant 76 2993DA Barendrecht                | 0:00                                 |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 0:31                                 |
| yB  | Weerkant 100 2993DA Barendrecht               | 0:00                                 |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 0:53                                 |
| YC  | De Laagjes 6 3274CB Heinenoord                | 1:30                                 |
| yC  | Weerkant 92 2993DA Barendrecht                | 0:00                                 |
| YD  | Rietwaard 16 3274MA Heinenoord                | 5:05                                 |
| yD  | Weerkant 6 2993DA Barendrecht                 | 0:00                                 |
| YE  | De Laagjes 3 3274CB Heinenoord                | 1:30                                 |
| yE  | Weerkant 46 2993DA Barendrecht                | 0:00                                 |
| yF  | Weerkant 18 2993DA Barendrecht                | 0:00                                 |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 3:54                                 |
| yG  | Weerkant 64 2993DA Barendrecht                | 0:00                                 |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 0:53                                 |
| yH  | Weerkant 118 2993DA Barendrecht               | 0:00                                 |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 0:56                                 |
| yI  | Harderwater 49 2993DW Barendrecht             | 0:00                                 |
| YI  | Avenhil 8 3274CT Heinenoord                   | 2:42                                 |
| yJ  | Weerkant 94 2993DA Barendrecht                | 0:00                                 |
| YJ  | Kalesland 66 3274CH Heinenoord                | 2:27                                 |
| yK  | Weerkant 1 2993DA Barendrecht                 | 0:00                                 |
| YK  | Kalesland 2 3274CH Heinenoord                 | 1:35                                 |
| YL  | Zalmwater 125 2993DX Barendrecht              | 0:00                                 |
| YL  | Koomansland 3 3274CJ Heinenoord               | 1:25                                 |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 2:05                                 |
| yM  | Weerkant 114 2993DA Barendrecht               | 0:00                                 |
| yN  | Weerkant 20 2993DA Barendrecht                | 0:00                                 |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 5:54                                 |
| yO  | Weerkant 138 2993DA Barendrecht               | 0:00                                 |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 0:28                                 |
| YP  | Kalesland 60 3274CH Heinenoord                | 2:27                                 |
| yP  | Weerkant 48 2993DA Barendrecht                | 0:00                                 |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoopte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| YQ  | Julianalaan 44 3274AG Heinenoord              | 0:24                                 |
| yR  | Weerkant 24 2993DA Barendrecht                | 0:00                                 |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 3:20                                 |
| YS  | Rietwaard 19 3274MA Heinenoord                | 6:59                                 |
| yS  | Spieringwater 13 2993DM Barendrecht           | 0:00                                 |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 0:57                                 |
| yT  | Weerkant 62 2993DA Barendrecht                | 0:00                                 |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 0:47                                 |
| yU  | Weerkant 146 2993DA Barendrecht               | 0:00                                 |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 3:23                                 |
| yV  | Weerkant 82 2993DA Barendrecht                | 0:00                                 |
| yW  | Spieringwater 9 2993DM Barendrecht            | 0:00                                 |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 2:11                                 |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 0:28                                 |
| yX  | Weerkant 136 2993DA Barendrecht               | 0:00                                 |
| yY  | Weerkant 158 2993DA Barendrecht               | 0:00                                 |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 1:38                                 |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 2:16                                 |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 0:00                                 |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 0:00                                 |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 2:40                                 |
| zA  | Weerkant 86 2993DA Barendrecht                | 0:00                                 |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 1:14                                 |
| zB  | Weerkant 32 2993DA Barendrecht                | 0:00                                 |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 0:36                                 |
| zC  | Spieringwater 5 2993DM Barendrecht            | 0:00                                 |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 5:04                                 |
| ZD  | Kalesland 34 3274CH Heinenoord                | 1:54                                 |
| zD  | Weerkant 126 2993DA Barendrecht               | 0:00                                 |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 2:38                                 |
| zE  | Weerkant 30 2993DA Barendrecht                | 0:00                                 |
| zF  | Weerkant 104 2993DA Barendrecht               | 0:00                                 |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 5:31                                 |
| zG  | Weerkant 70 2993DA Barendrecht                | 0:00                                 |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 3:35                                 |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 2:43                                 |
| zH  | Weerkant 10 2993DA Barendrecht                | 0:00                                 |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 2:59                                 |
| zI  | Weerkant 33 2993DA Barendrecht                | 0:00                                 |
| zJ  | Weerkant 26 2993DA Barendrecht                | 0:00                                 |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 0:32                                 |
| zK  | Weerkant 130 2993DA Barendrecht               | 0:00                                 |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 0:37                                 |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 1:01                                 |
| zL  | Weerkant 4 2993DA Barendrecht                 | 0:00                                 |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 3:03                                 |
| zM  | Weerkant 68 2993DA Barendrecht                | 0:00                                 |
| zN  | Weerkant 96 2993DA Barendrecht                | 0:00                                 |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 1:34                                 |
| zO  | Weerkant 34 2993DA Barendrecht                | 0:00                                 |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 0:58                                 |
| zP  | Weerkant 31 2993DA Barendrecht                | 0:00                                 |
| ZP  | Koimansland 7 3274CJ Heinenoord               | 1:25                                 |
| zQ  | Weerkant 148 2993DA Barendrecht               | 0:00                                 |
| ZQ  | Talmahof 5 3274CN Heinenoord                  | 1:17                                 |
| ZR  | Irenestraat 14 3274AE Heinenoord              | 0:41                                 |
| zR  | Weerkant 144 2993DA Barendrecht               | 0:00                                 |
| zS  | Weerkant 116 2993DA Barendrecht               | 0:00                                 |
| ZS  | Oosteinde 26 3274KC Heinenoord                | 4:49                                 |
| ZT  | John F. Kennedystraat 25 3274CG Heinenoord    | 1:23                                 |
| zT  | Spieringwater 11 2993DM Barendrecht           | 0:00                                 |
| zU  | Weerkant 140 2993DA Barendrecht               | 0:00                                 |
| ZU  | Wouter van den Walestr 58 3274CS Heinenoord   | 0:59                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2b

...continued from previous page

| No. | Name   | Shadow, expected values              |  |
|-----|--|--------------------------------------|--|
|     |  | Shadow hours<br>per year<br>[h/year] |  |
|     | zV Weerkant 42 2993DA Barendrecht              | 0:00                                 |  |
|     | ZV Margrietstraat 16 3274AH Heinenoord         | 0:53                                 |  |
|     | ZW Bernhardstraat 1 A 3274AB Heinenoord        | 0:30                                 |  |
|     | zW Weerkant 122 2993DA Barendrecht             | 0:00                                 |  |
|     | zX Weerkant 168 2993DA Barendrecht             | 0:00                                 |  |
|     | ZX De Laagjes 13 3274CB Heinenoord             | 1:46                                 |  |
|     | ZY Marijkestraat 3 3274AJ Heinenoord           | 0:39                                 |  |
|     | ZY Weerkant 80 2993DA Barendrecht              | 0:00                                 |  |
|     | ZZ Wouter van den Walestr 46 3274CS Heinenoord | 1:02                                 |  |
|     | zZ Weerkant 106 2993DA Barendrecht             | 0:00                                 |  |

Total amount of flickering on the shadow receptors caused by each WTG

| No. | Name  | Worst case<br>[h/year] | Expected<br>[h/year] |
|-----|---|------------------------|----------------------|
| 1   | SENVION 3.4M140 3400 140.0 !O! hub: 117,0 m (TOT: 187,0 m) (34) | 88:38                  | 23:47                |
| 2   | SENVION 3.4M140 3400 140.0 !O! hub: 117,0 m (TOT: 187,0 m) (35) | 75:11                  | 18:28                |
| 3   | SENVION 3.4M140 3400 140.0 !O! hub: 117,0 m (TOT: 187,0 m) (36) | 115:35                 | 23:36                |
| 4   | SENVION 3.4M140 3400 140.0 !O! hub: 117,0 m (TOT: 187,0 m) (37) | 114:00                 | 18:55                |
| 5   | SENVION 3.4M140 3400 140.0 !O! hub: 117,0 m (TOT: 187,0 m) (38) | 187:42                 | 38:50                |

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

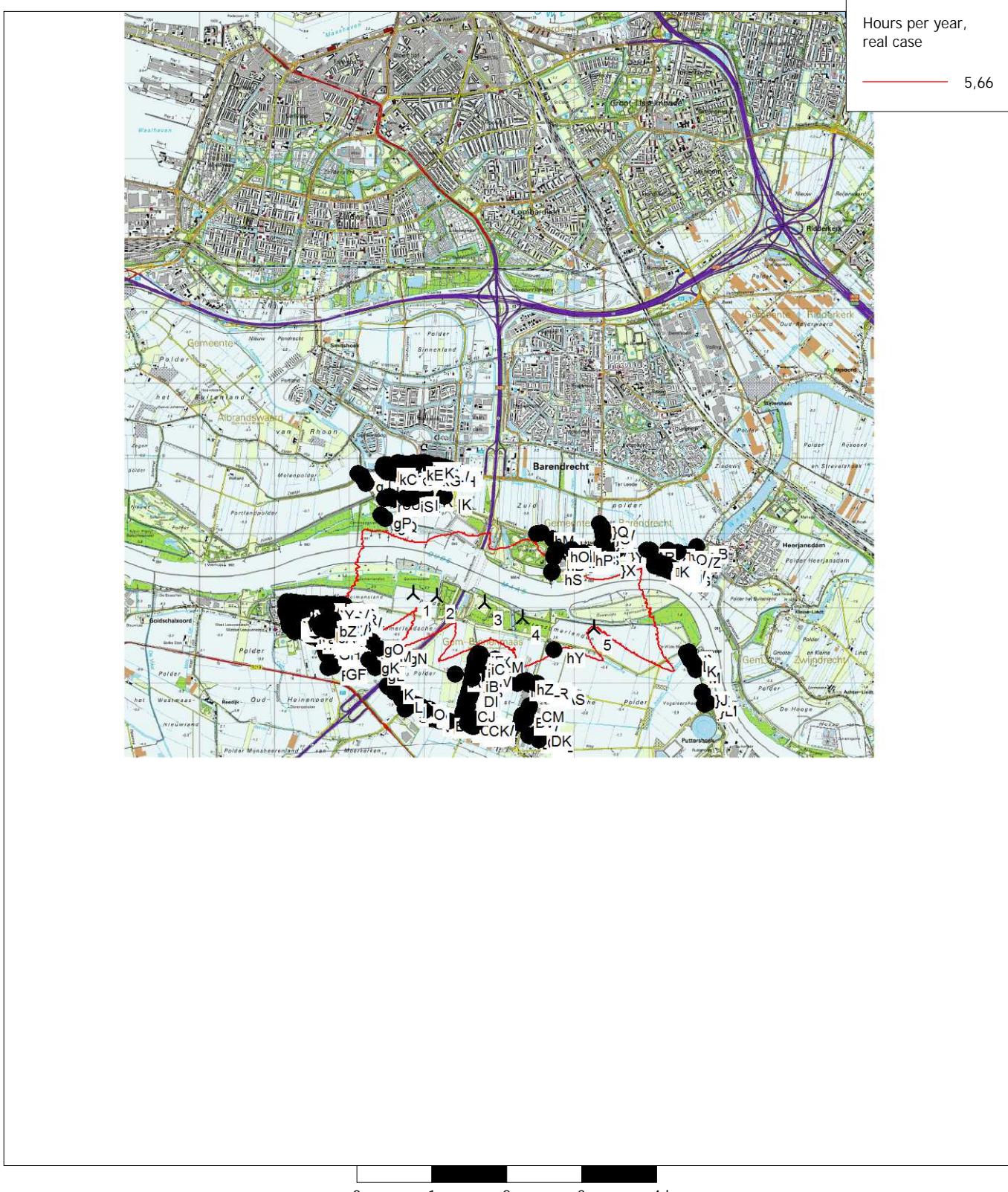
VKA 20161215 - bovengrens

Windturbine ashoogte:117 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 18:16/3.0.654

## SHADOW - Map

Calculation: Windpark Binnenmaas Opstelling 2b



Map: Bitmap map: 37H\_Rotterdam\_2004.tif , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2000 East: 94.840 North: 427.040

>New WTG      Shadow receptor

Flicker map level: 0 m above sea level

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

### Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

5 °

Day step for calculation

1 days

Time step for calculation

1 minutes

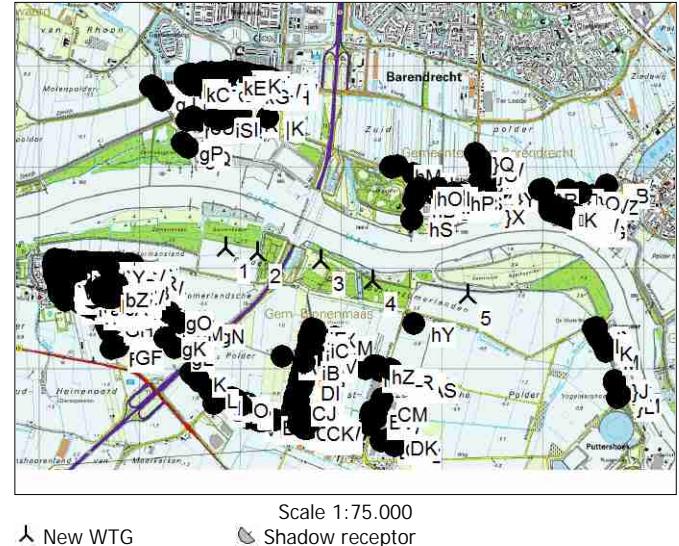
Sunshine probability S (Average daily sunshine hours) []

| Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 2,39 | 3,03 | 4,59 | 6,77 | 7,13 | 7,63 | 7,07 | 6,03 | 5,25 | 3,91 | 2,07 | 1,80 |

Operational time

| N   | NNE | ENE | E   | ESE | SSE | S     | SSW   | WSW   | W   | NNW | NNW | Sum   |
|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-------|
| 521 | 607 | 604 | 415 | 381 | 628 | 1.003 | 1.019 | 1.085 | 799 | 637 | 717 | 8.416 |

Idle start wind speed: Cut in wind speed from power curve

All coordinates are in  
Dutch Stereo-RD/NAP 2000

### WTGs

| X<br>(east) | Y<br>(north) | Z<br>[m] | Row data/Description                              | WTG type |           | Power<br>rated<br>[kW] | Rotor<br>diameter<br>[m] | Hub<br>height<br>[m] | Shadow data                    |              |     |
|-------------|--------------|----------|---|----------|-----------|------------------------|--------------------------|----------------------|--------------------------------|--------------|-----|
|             |              |          |   | Valid    | Manufact. | Type-generator         |                          |                      | Calculation<br>distance<br>[m] | RPM<br>[RPM] |     |
| 1           | 93.849       | 427.196  | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 13... Yes | SENVION  |           | 3.4M140-3.400          | 3.400                    | 140,0                | 130,0                          | 5.000        | 0,0 |
| 2           | 94.166       | 427.151  | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 13... Yes | SENVION  |           | 3.4M140-3.400          | 3.400                    | 140,0                | 130,0                          | 5.000        | 0,0 |
| 3           | 94.797       | 427.072  | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 13... Yes | SENVION  |           | 3.4M140-3.400          | 3.400                    | 140,0                | 130,0                          | 5.000        | 0,0 |
| 4           | 95.308       | 426.873  | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 13... Yes | SENVION  |           | 3.4M140-3.400          | 3.400                    | 140,0                | 130,0                          | 5.000        | 0,0 |
| 5           | 96.257       | 426.734  | 0,0 SENVION 3.4M140 3400 140.0 !O! hub: 13... Yes | SENVION  |           | 3.4M140-3.400          | 3.400                    | 140,0                | 130,0                          | 5.000        | 0,0 |

### Shadow receptor-Input

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
| [A  | Kalesland 11 3274CH Heinenoord                | 92.554   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [B  | Prof. Teldersstraat 39 3274MC Heinenoord      | 92.851   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [C  | Bernhardstraat 1 C 3274AB Heinenoord          | 92.194   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [D  | Wiardi Beckmanhof 17 3274CX Heinenoord        | 92.701   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [E  | Abraham Kuyperhof 15 3274CW Heinenoord        | 92.765   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [F  | Margrietstraat 4 3274AH Heinenoord            | 92.287   | 426.838   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [G  | Wiardi Beckmanhof 6 3274CX Heinenoord         | 92.663   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [H  | Rietwaard 9 3274MA Heinenoord                 | 92.843   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [I  | Kalesland 20 3274CH Heinenoord                | 92.504   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [J  | Rietwaard 11 3274MA Heinenoord                | 92.852   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [K  | Buitenlanden 14 3274MB Heinenoord             | 92.936   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [L  | Abraham Kuyperhof 11 3274CW Heinenoord        | 92.766   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [M  | John F. Kennedystraat 29 3274CG Heinenoord    | 92.484   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [N  | Marijkestraat 19 3274AJ Heinenoord            | 92.322   | 427.058   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [O  | Avenhil 41 3274CT Heinenoord                  | 92.704   | 426.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [P  | Oosteinde 35 3274KB Heinenoord                | 92.706   | 426.617   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Q  | Martin Luther Kingstraat 26 3274CK Heinenoord | 92.473   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [R  | Oranjestraat 27 3274AK Heinenoord             | 92.272   | 426.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [S  | John F. Kennedystraat 8 3274CG Heinenoord     | 92.673   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [T  | Emmastraat 14 3274AC Heinenoord               | 92.274   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [U  | Irenestraat 23 3274AD Heinenoord              | 92.246   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [V  | Spuivelden 3 3274CM Heinenoord                | 92.529   | 426.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [W  | Beatrixstraat 42 3274AA Heinenoord            | 92.208   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [X  | Buitenlanden 7 3274MB Heinenoord              | 92.888   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Y  | Koormansland 38 3274CJ Heinenoord             | 92.445   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| [Z  | Kalesland 16 3274CH Heinenoord                | 92.492   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \A  | Kalesland 8 3274CH Heinenoord                 | 92.480   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| \B  | Talmahof 1 3274CN Heinenoord                  | 92.433   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \C  | Koimansland 17 3274CJ Heinenoord              | 92.481   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \D  | Irenestraat 22 3274AE Heinenoord              | 92.266   | 426.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \E  | John F. Kennedystraat 65 3274CG Heinenoord    | 92.703   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \F  | Spuivelden 10 3274CM Heinenoord               | 92.582   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \G  | Thorbeckehof 5 3274CP Heinenoord              | 92.607   | 426.997   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \H  | Spuivelden 6 3274CM Heinenoord                | 92.571   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \I  | Prof. Teldersstraat 29 3274CZ Heinenoord      | 92.824   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \J  | John F. Kennedystraat 45 3274CG Heinenoord    | 92.531   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 92.724   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 92.812   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 92.729   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \N  | De Laagjes 11 3274CB Heinenoord               | 92.476   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 92.521   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 92.877   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 92.229   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 92.332   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 92.832   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 92.402   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 92.863   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 92.222   | 427.076   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \W  | Spuivelden 7 3274CM Heinenoord                | 92.530   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \X  | Avenhil 19 3274CT Heinenoord                  | 92.686   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 92.588   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 92.262   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 92.893   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 92.490   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 92.826   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 92.452   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 92.765   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 92.407   | 426.696   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 92.936   | 427.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 92.842   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 92.887   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]J  | Kalesland 44 3274CH Heinenoord                | 92.555   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 92.700   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 92.403   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 92.938   | 426.698   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 92.729   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 92.903   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]P  | Kalesland 14 3274CH Heinenoord                | 92.488   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 92.587   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 92.737   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 92.632   | 426.678   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 92.513   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 92.432   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 92.561   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]W  | Kalesland 13 3274CH Heinenoord                | 92.554   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 92.406   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 92.572   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 92.743   | 427.040   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^A  | Kalesland 24 3274CH Heinenoord                | 92.513   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 92.887   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 92.421   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 92.565   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^E  | Kalesland 54 3274CH Heinenoord                | 92.574   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 92.216   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 92.333   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 92.368   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 92.721   | 426.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 92.278   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 92.367   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 92.157   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ^M  | Kalesland 48 3274CH Heinenoord                | 92.564   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^N  | Buitenlanden 9 3274MB Heinenoord              | 92.893   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 92.668   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^P  | Kalesland 74 3274CH Heinenoord                | 92.592   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 92.810   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 92.266   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 92.458   | 426.756   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^T  | Kalesland 15 3274CH Heinenoord                | 92.555   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^U  | Buitenlanden 10 3274MB Heinenoord             | 92.928   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 92.571   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 92.532   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 92.857   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 92.334   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 92.766   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _A  | Kalesland 12 3274CH Heinenoord                | 92.480   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _B  | Hermannushof 18 3274CE Heinenoord             | 92.560   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 92.175   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 92.832   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 92.292   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _F  | Emmastraat 18 3274AC Heinenoord               | 92.284   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 92.765   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 92.669   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 92.793   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 92.166   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _K  | Avenhil 26 3274CT Heinenoord                  | 92.726   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _L  | Spuivelden 4 3274CM Heinenoord                | 92.566   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 92.332   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 92.432   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _O  | Rietwaard 12 3274MA Heinenoord                | 92.800   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 92.244   | 426.853   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Q  | Kalesland 62 3274CH Heinenoord                | 92.596   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 92.586   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _S  | Koimansland 20 3274CJ Heinenoord              | 92.390   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 92.781   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _U  | Talmahof 12 3274CN Heinenoord                 | 92.490   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 92.793   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _W  | Rietwaard 15 3274MA Heinenoord                | 92.870   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _X  | Oosteinde 43 3274KB Heinenoord                | 92.634   | 426.606   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 92.470   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 92.204   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 92.877   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 92.471   | 426.753   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 92.501   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 92.257   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 92.575   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `F  | Irenestraat 32 3274AE Heinenoord              | 92.297   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 92.396   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 92.362   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 92.832   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 92.329   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `K  | De Laagjes 32 3274CB Heinenoord               | 92.532   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 92.286   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `M  | Irenestraat 11 3274AD Heinenoord              | 92.241   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 92.193   | 426.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 92.800   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 92.168   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 92.329   | 426.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 92.698   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 92.799   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `T  | Emmastraat 36 3274AC Heinenoord               | 92.191   | 426.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 92.256   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `V  | Spuivelden 27 3274CM Heinenoord               | 92.576   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 92.199   | 426.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                        | Name                   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|----------------------------|------------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                            |                        | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| ` X Wouter van den Walestr | 62 3274CS Heinenoord   | 92.365   | 426.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ` Y John F. Kennedystraat  | 61 3274CG Heinenoord   | 92.692   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ` Z Wouter van den Walestr | 68 3274CS Heinenoord   | 92.368   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { A Weerkant               | 88 2993DA Barendrecht  | 94.229   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { B Weerkant               | 5 2993DA Barendrecht   | 94.255   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { C Weerkant               | 72 2993DA Barendrecht  | 94.321   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { D Zalmwater              | 111 2993DX Barendrecht | 94.221   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { E Weerkant               | 37 2993DA Barendrecht  | 94.178   | 428.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { F Weerkant               | 166 2993DA Barendrecht | 94.229   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { G Weerkant               | 128 2993DA Barendrecht | 94.222   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { H Weerkant               | 56 2993DA Barendrecht  | 94.319   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { I Weerkant               | 23 2993DA Barendrecht  | 94.216   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { J Weerkant               | 25 2993DA Barendrecht  | 94.210   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { K Weerkant               | 21 2993DA Barendrecht  | 94.221   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { L Weerkant               | 66 2993DA Barendrecht  | 94.313   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { M Weerkant               | 120 2993DA Barendrecht | 94.229   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { N Zalmwater              | 121 2993DX Barendrecht | 94.188   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { O Weerkant               | 22 2993DA Barendrecht  | 94.321   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { P Weerkant               | 162 2993DA Barendrecht | 94.223   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Q Zalmwater              | 123 2993DX Barendrecht | 94.182   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { R Weerkant               | 54 2993DA Barendrecht  | 94.311   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { S Weerkant               | 44 2993DA Barendrecht  | 94.316   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { T Weerkant               | 108 2993DA Barendrecht | 94.225   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { U Weerkant               | 8 2993DA Barendrecht   | 94.322   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { V Weerkant               | 150 2993DA Barendrecht | 94.227   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { W Zalmwater              | 131 2993DX Barendrecht | 94.156   | 428.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { X Weerkant               | 35 2993DA Barendrecht  | 94.183   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Y Weerkant               | 28 2993DA Barendrecht  | 94.314   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Z Weerkant               | 98 2993DA Barendrecht  | 94.230   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { A Weerkant               | 124 2993DA Barendrecht | 94.225   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { B Weerkant               | 52 2993DA Barendrecht  | 94.320   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { C Kuikant                | 169 2993DV Barendrecht | 94.338   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { D Weerkant               | 36 2993DA Barendrecht  | 94.312   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { E Weerkant               | 2 2993DA Barendrecht   | 94.320   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { F Weerkant               | 27 2993DA Barendrecht  | 94.205   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { G Weerkant               | 29 2993DA Barendrecht  | 94.199   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { H Weerkant               | 90 2993DA Barendrecht  | 94.227   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { I Weerkant               | 160 2993DA Barendrecht | 94.221   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { J Zalmwater              | 117 2993DX Barendrecht | 94.201   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { K Koedood                | 2 2993AL Barendrecht   | 94.270   | 428.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { L Weerkant               | 11 2993DA Barendrecht  | 94.254   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { M Weerkant               | 15 2993DA Barendrecht  | 94.237   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { N Weerkant               | 16 2993DA Barendrecht  | 94.321   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { O Weerkant               | 40 2993DA Barendrecht  | 94.316   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { P Weerkant               | 74 2993DA Barendrecht  | 94.322   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Q Weerkant               | 78 2993DA Barendrecht  | 94.314   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { R Weerkant               | 102 2993DA Barendrecht | 94.227   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { S Harderwater            | 51 2993DW Barendrecht  | 94.274   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { T Zalmwater              | 119 2993DX Barendrecht | 94.195   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { U Zalmwater              | 129 2993DX Barendrecht | 94.163   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { V Weerkant               | 156 2993DA Barendrecht | 94.221   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { W Spieringwater          | 3 2993DM Barendrecht   | 94.158   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { X Weerkant               | 7 2993DA Barendrecht   | 94.255   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Y Weerkant               | 13 2993DA Barendrecht  | 94.254   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Z Weerkant               | 3 2993DA Barendrecht   | 94.256   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { A Weerkant               | 9 2993DA Barendrecht   | 94.255   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { B Weerkant               | 110 2993DA Barendrecht | 94.227   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { C Weerkant               | 142 2993DA Barendrecht | 94.233   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { D Weerkant               | 154 2993DA Barendrecht | 94.223   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { E Weerkant               | 164 2993DA Barendrecht | 94.225   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { F Weerkant               | 152 2993DA Barendrecht | 94.225   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { G Zalmwater              | 113 2993DX Barendrecht | 94.213   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { H Weerkant               | 50 2993DA Barendrecht  | 94.322   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| J   | I Weerkant 58 2993DA Barendrecht             | 94.317   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | J Kuipersveer 9 3274KH Heinenoord            | 97.706   | 425.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | K Kuipersveer 7 3274KH Heinenoord            | 97.711   | 425.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | L Kuipersveer 3 3274KH Heinenoord            | 97.762   | 425.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | M Kuipersveer 5 3274KH Heinenoord            | 97.770   | 425.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | N Kuipersveer 1 A 3274KH Heinenoord          | 97.737   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | O Ziedewijdsekade 14 2991VS Barendrecht      | 97.379   | 427.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | P 3e Barendrechtseweg 555 2991SH Barendrecht | 96.384   | 427.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Q 3e Barendrechtseweg 454 2992SN Barendrecht | 96.331   | 428.132   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | R Ziedewijdsekade 36 2991SE Barendrecht      | 96.966   | 427.774   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | S 3e Barendrechtseweg 545 2991SH Barendrecht | 96.375   | 428.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | T Ziedewijdsekade 18 2991VS Barendrecht      | 97.248   | 427.775   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | U Ziedewijdsekade 72 2991SE Barendrecht      | 96.547   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | V Ziedewijdsekade 1 2991VS Barendrecht       | 97.493   | 427.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | W 3e Barendrechtseweg 541 2991SH Barendrecht | 96.375   | 428.077   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | X Achterzeedijk 11 2991SB Barendrecht        | 96.449   | 427.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Y Ziedewijdsekade 70 2991SE Barendrecht      | 96.571   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Z Ziedewijdsekade 10 2991VS Barendrecht      | 97.590   | 427.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | A 3e Barendrechtseweg 559 2991SH Barendrecht | 96.372   | 427.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | B Ziedewijdsekade 12 2991VS Barendrecht      | 97.633   | 427.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | C Ziedewijdsekade 34 2991SE Barendrecht      | 97.009   | 427.777   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | D Achterzeedijk 1 2991SB Barendrecht         | 97.077   | 427.630   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | E Achterzeedijk 1 a 1 2991SB Barendrecht     | 97.394   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | F Achterzeedijk 1 a 2 2991SB Barendrecht     | 97.392   | 427.477   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | G Achterzeedijk 1 a 3 2991SB Barendrecht     | 97.386   | 427.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | H Achterzeedijk 1 a 4 2991SB Barendrecht     | 97.382   | 427.439   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | I Achterzeedijk 1 a 6 2991SB Barendrecht     | 97.368   | 427.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | J Achterzeedijk 1 a 7 2991SB Barendrecht     | 97.356   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | K Achterzeedijk 1 a 8 2991SB Barendrecht     | 97.347   | 427.453   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | L Achterzeedijk 1 a 9 2991SB Barendrecht     | 97.345   | 427.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | M Achterzeedijk 1 a 10 2991SB Barendrecht    | 97.346   | 427.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | N Achterzeedijk 1 a 11 2991SB Barendrecht    | 97.338   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | O Achterzeedijk 1 a 12 2991SB Barendrecht    | 97.333   | 427.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | P Achterzeedijk 1 a 14 2991SB Barendrecht    | 97.319   | 427.508   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Q Achterzeedijk 1 a 16 2991SB Barendrecht    | 97.301   | 427.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | R Achterzeedijk 1 a 17 2991SB Barendrecht    | 97.297   | 427.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | S Achterzeedijk 1 a 18 2991SB Barendrecht    | 97.294   | 427.518   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | T Achterzeedijk 1 a 19 2991SB Barendrecht    | 97.294   | 427.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | U Achterzeedijk 1 a 20 2991SB Barendrecht    | 97.285   | 427.484   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | V Achterzeedijk 1 a 21 2991SB Barendrecht    | 97.284   | 427.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | W Achterzeedijk 1 a 22 2991SB Barendrecht    | 97.273   | 427.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | X Achterzeedijk 1 a 23 2991SB Barendrecht    | 97.261   | 427.513   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Y Achterzeedijk 1 a 24 2991SB Barendrecht    | 97.252   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Z Achterzeedijk 1 a 26 2991SB Barendrecht    | 97.250   | 427.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?A  | Achterzeedijk 1 a 53 2991SB Barendrecht      | 97.085   | 427.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?B  | Achterzeedijk 1 a 54 2991SB Barendrecht      | 97.079   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?C  | Achterzeedijk 1 a 55 2991SB Barendrecht      | 97.075   | 427.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?D  | Achterzeedijk 1 a 56 2991SB Barendrecht      | 97.069   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?E  | Achterzeedijk 1 a 13 2991SB Barendrecht      | 97.329   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?F  | Achterzeedijk 1 a 15 2991SB Barendrecht      | 97.311   | 427.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?G  | Achterzeedijk 1 a 25 2991SB Barendrecht      | 97.249   | 427.554   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?H  | Achterzeedijk 1 a 5 2991SB Barendrecht       | 97.378   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?I  | Kuipersveer 15 3274KH Heinenoord             | 97.606   | 426.230   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?J  | Kuipersveer 31 3274KH Heinenoord             | 97.501   | 426.403   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?K  | Kuipersveer 15 A 3274KH Heinenoord           | 97.591   | 426.257   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?L  | Kuipersveer 23 3274KH Heinenoord             | 97.535   | 426.329   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?M  | Kuipersveer 13 3274KH Heinenoord             | 97.623   | 426.174   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?N  | Kuipersveer 15 D 3274KH Heinenoord           | 97.562   | 426.295   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?O  | Kuipersveer 19 3274KH Heinenoord             | 97.545   | 426.312   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?P  | Kuipersveer 25 3274KH Heinenoord             | 97.526   | 426.343   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?Q  | Kuipersveer 21 3274KH Heinenoord             | 97.539   | 426.323   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?R  | Kuipersveer 35 3274KH Heinenoord             | 97.529   | 426.410   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?S  | Kuipersveer 15 C 3274KH Heinenoord           | 97.576   | 426.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ?TKuipersveer 17               | 3274KH Heinenoord  | 97.549   | 426.307   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| A Blaaksedijk West 28          | 3274LE Heinenoord  | 94.023   | 425.651   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •A Achterzeedijk 1 a 27        | 2991SB Barendrecht | 97.243   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AA Blaaksedijk West 26         | 3274LE Heinenoord  | 94.070   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aA Martin Luther Kingstraat 44 | 3274CL Heinenoord  | 92.526   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AB Doormanstraat 15            | 3274LK Heinenoord  | 94.658   | 425.375   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ab Rietwaard 22                | 3274MA Heinenoord  | 92.878   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aC Kalesland 68                | 3274CH Heinenoord  | 92.605   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AC Mollekade 11                | 3274LN Heinenoord  | 94.528   | 425.645   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aD Hermannushof 12             | 3274CE Heinenoord  | 92.541   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AD Boonsweg 55                 | 3274LH Heinenoord  | 95.277   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AE Doormanstraat 19            | 3274LK Heinenoord  | 94.664   | 425.387   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aE De Laagjes 24               | 3274CB Heinenoord  | 92.509   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AF Doormanstraat 35            | 3274LK Heinenoord  | 94.682   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| af Wouter van den Walestr 42   | 3274CS Heinenoord  | 92.361   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aG Avenhil 29                  | 3274CT Heinenoord  | 92.733   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AG Doormanstraat 12            | 3274LK Heinenoord  | 94.692   | 425.406   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aH Beatrixstraat 50            | 3274AA Heinenoord  | 92.212   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AH Mollekade 24 A              | 3274LP Heinenoord  | 94.553   | 425.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AI Doormanstraat 21            | 3274LK Heinenoord  | 94.667   | 425.394   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| al Martin Luther Kingstraat 38 | 3274CL Heinenoord  | 92.507   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aj Koomansland 34              | 3274CJ Heinenoord  | 92.445   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AJ de Ruyterstraat 6 B         | 3274LJ Heinenoord  | 94.524   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ak Martin Luther Kingstraat 20 | 3274CK Heinenoord  | 92.439   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AK Trompstraat 20              | 3274LT Heinenoord  | 94.635   | 425.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aL Spuibelden 1                | 3274CM Heinenoord  | 92.531   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AL van Galenstraat 11          | 3274LV Heinenoord  | 94.534   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aM Oranjestraat 22             | 3274AK Heinenoord  | 92.188   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AM Gorzenweg 2                 | 3274LL Heinenoord  | 95.503   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AN Mollekade 17                | 3274LN Heinenoord  | 94.552   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aN Koomansland 15              | 3274CJ Heinenoord  | 92.474   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aO De Laagjes 34               | 3274CB Heinenoord  | 92.538   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AO Mollekade 21                | 3274LN Heinenoord  | 94.566   | 425.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AP de Ruyterstraat 10          | 3274LJ Heinenoord  | 94.658   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aP Boerengorzen 12             | 3274CV Heinenoord  | 92.754   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aQ Hermannushof 22             | 3274CE Heinenoord  | 92.582   | 426.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AQ Mollekade 3 A               | 3274LN Heinenoord  | 94.488   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aR Prof. Teldersstraat 17      | 3274CZ Heinenoord  | 92.799   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AR Doormanstraat 31            | 3274LK Heinenoord  | 94.676   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AS Gorzenweg 1 A               | 3274LL Heinenoord  | 95.716   | 425.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aS Avenhil 31                  | 3274CT Heinenoord  | 92.738   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AT de Ruyterstraat 4 A         | 3274LJ Heinenoord  | 94.527   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aT Martin Luther Kingstraat 4  | 3274CK Heinenoord  | 92.386   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aU Emmastraat 5                | 3274AC Heinenoord  | 92.231   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AU de Ruyterstraat 6 A         | 3274LJ Heinenoord  | 94.524   | 425.505   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aV Prof. Teldersstraat 33      | 3274MC Heinenoord  | 92.854   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AV Mollekade 13 A              | 3274LN Heinenoord  | 94.541   | 425.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aW Abraham Kuyperhof 6         | 3274CW Heinenoord  | 92.721   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AW Blaaksedijk West 15         | 3274LD Heinenoord  | 94.221   | 425.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aX Prof. Teldersstraat 9       | 3274CZ Heinenoord  | 92.801   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AX Doormanstraat 25            | 3274LK Heinenoord  | 94.672   | 425.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AY Blaaksedijk West 16 A       | 3274LE Heinenoord  | 94.260   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aY Andries Woutershof 6        | 3274CA Heinenoord  | 92.466   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AZ Gorzenweg 1                 | 3274LL Heinenoord  | 95.615   | 425.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aZ Beatrixstraat 25            | 3274AA Heinenoord  | 92.188   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| B Blaaksedijk West 49          | 3274LD Heinenoord  | 93.567   | 425.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •B Achterzeedijk 1 a 28        | 2991SB Barendrecht | 97.237   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bA Koomansland 9               | 3274CJ Heinenoord  | 92.450   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BA Nijverheidsweg 32           | 3274KJ Heinenoord  | 95.394   | 425.284   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BB Blaaksedijk West 19         | 3274LD Heinenoord  | 94.188   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bB Avenhil 22                  | 3274CT Heinenoord  | 92.711   | 426.950   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BC Mollekade 15                | 3274LN Heinenoord  | 94.545   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bC John F. Kennedystraat 87    | 3274CG Heinenoord  | 92.855   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name                                       | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord | 92.798   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BD  | Trompstraat 10 3274LT Heinenoord           | 94.621   | 425.414   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BE  | Mollekade 27 3274LN Heinenoord             | 94.617   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bE  | Irenestraat 17 3274AD Heinenoord           | 92.244   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BF  | Blaaksedijk West 21 3274LD Heinenoord      | 94.177   | 425.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bF  | Spuivelden 23 3274CM Heinenoord            | 92.578   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bg  | Kalesland 36 3274CH Heinenoord             | 92.534   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BG  | Piet Heinstraat 1 3274LR Heinenoord        | 94.628   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bH  | Koomansland 4 3274CJ Heinenoord            | 92.414   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BH  | Mollekade 1 3274LN Heinenoord              | 94.478   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BI  | de Ruyterstraat 15 3274LJ Heinenoord       | 94.667   | 425.521   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bl  | Jan de Rooystraat 1 3274NA Heinenoord      | 92.628   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bJ  | Jan de Rooystraat 3 3274NA Heinenoord      | 92.627   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BJ  | Blaaksedijk West 14 3274LE Heinenoord      | 94.286   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bK  | Jan de Rooystraat 5 3274NA Heinenoord      | 92.626   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BK  | Mollekade 8 3274LP Heinenoord              | 94.518   | 425.481   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BL  | de Ruyterstraat 2 B 3274LJ Heinenoord      | 94.529   | 425.523   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bL  | Jan de Rooystraat 7 3274NA Heinenoord      | 92.623   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BM  | van Galenstraat 4 3274LV Heinenoord        | 94.587   | 425.507   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bM  | Jan de Rooystraat 9 3274NA Heinenoord      | 92.621   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BN  | Mollekade 23 A 3274LN Heinenoord           | 94.587   | 425.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bN  | Jan de Rooystraat 11 3274NA Heinenoord     | 92.620   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BO  | Blaaksedijk West 20 3274LE Heinenoord      | 94.165   | 425.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bO  | Jan de Rooystraat 13 3274NA Heinenoord     | 92.619   | 426.726   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bP  | Jan de Rooystraat 2 3274NA Heinenoord      | 92.663   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BP  | Doormanstraat 45 3274LK Heinenoord         | 94.686   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BQ  | de Ruyterstraat 4 B 3274LJ Heinenoord      | 94.526   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bQ  | Jan de Rooystraat 4 3274NA Heinenoord      | 92.662   | 426.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BR  | Nijverheidsweg 7 3274KJ Heinenoord         | 95.525   | 425.232   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bR  | Jan de Rooystraat 6 3274NA Heinenoord      | 92.660   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bS  | Jan de Rooystraat 8 3274NA Heinenoord      | 92.656   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BS  | Gorzenweg 9 3274LL Heinenoord              | 95.389   | 425.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bT  | Jan de Rooystraat 10 3274NA Heinenoord     | 92.655   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BT  | Mollekade 9 3274LN Heinenoord              | 94.520   | 425.612   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BU  | de Ruyterstraat 14 3274LJ Heinenoord       | 94.670   | 425.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bU  | Jan de Rooystraat 12 3274NA Heinenoord     | 92.654   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BV  | Boonsweg 69 3274LH Heinenoord              | 95.303   | 425.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bV  | Jan de Rooystraat 14 3274NA Heinenoord     | 92.652   | 426.730   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BW  | Boonsweg 65 3274LH Heinenoord              | 95.295   | 425.528   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bW  | Jan de Rooystraat 16 3274NA Heinenoord     | 92.651   | 426.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BX  | Trompstraat 14 3274LT Heinenoord           | 94.623   | 425.426   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bX  | Arie Jongekrijgstraat 1 3274NB Heinenoord  | 92.695   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BY  | Blaaksedijk West 18 3274LE Heinenoord      | 94.241   | 425.524   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bY  | Arie Jongekrijgstraat 3 3274NB Heinenoord  | 92.689   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BZ  | van Galenstraat 7 3274LV Heinenoord        | 94.596   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bZ  | Arie Jongekrijgstraat 5 3274NB Heinenoord  | 92.691   | 426.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| C   | Blaaksedijk West 34 3274LE Heinenoord      | 93.916   | 425.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht    | 97.235   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord | 92.677   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord       | 94.685   | 425.516   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord | 92.692   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CB  | Trompstraat 16 3274LT Heinenoord           | 94.633   | 425.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord | 92.709   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CC  | Blaaksedijk West 12 3274LE Heinenoord      | 94.347   | 425.489   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CD  | Boonsweg 14 3274LH Heinenoord              | 95.402   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord | 92.718   | 426.702   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CE  | Mollekade 10 3274LP Heinenoord             | 94.519   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord | 92.729   | 426.701   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CF  | Gorzenweg 5 3274LL Heinenoord              | 95.503   | 425.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord | 92.739   | 426.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord  | 92.715   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CG  | van Galenstraat 14 3274LV Heinenoord       | 94.576   | 425.452   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CH  | Trompstraat 22 3274LT Heinenoord           | 94.639   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 92.715   | 426.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 92.713   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 94.588   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 92.712   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CJ  | Mollekade 13 3274LN Heinenoord               | 94.534   | 425.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 92.718   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CK  | Doormanstraat 37 3274LK Heinenoord           | 94.683   | 425.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 92.710   | 426.761   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 94.577   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cM  | Arie Jongekrijgstraat 14 3274NB Heinenoord   | 92.709   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CM  | Boonsweg 12 3274LH Heinenoord                | 95.390   | 425.659   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CN  | Piet Heinstraat 2 3274LR Heinenoord          | 94.637   | 425.412   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cN  | Arie Jongekrijgstraat 16 3274NB Heinenoord   | 92.708   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cO  | Arie Jongekrijgstraat 18 3274NB Heinenoord   | 92.707   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CO  | Doormanstraat 33 3274LK Heinenoord           | 94.669   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CP  | Piet Heinstraat 3 3274LR Heinenoord          | 94.635   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cP  | Arie Jongekrijgstraat 20 3274NB Heinenoord   | 92.707   | 426.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cQ  | Opper Van Treurenstraat 2 3274ND Heinenoord  | 92.777   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CQ  | van Galenstraat 16 3274LV Heinenoord         | 94.572   | 425.446   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CR  | Gorzenweg 7 3274LL Heinenoord                | 95.464   | 425.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cR  | Opper Van Treurenstraat 4 3274ND Heinenoord  | 92.777   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CS  | Doormanstraat 27 3274LK Heinenoord           | 94.669   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cS  | Opper Van Treurenstraat 6 3274ND Heinenoord  | 92.776   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CT  | de Ruyterstraat 19 3274LJ Heinenoord         | 94.705   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cT  | Opper Van Treurenstraat 8 3274ND Heinenoord  | 92.776   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cU  | Opper Van Treurenstraat 10 3274ND Heinenoord | 92.775   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CU  | Trompstraat 12 3274LT Heinenoord             | 94.622   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CV  | Nijverheidsweg 47 3274KJ Heinenoord          | 95.465   | 425.302   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cV  | Opper Van Treurenstraat 12 3274ND Heinenoord | 92.775   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Doormanstraat 39 3274LK Heinenoord           | 94.684   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Opper Van Treurenstraat 14 3274ND Heinenoord | 92.775   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cX  | Opper Van Treurenstraat 16 3274ND Heinenoord | 92.774   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CX  | Boonsweg 6 3274LH Heinenoord                 | 95.351   | 425.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CY  | Piet Heinstraat 9 3274LR Heinenoord          | 94.658   | 425.445   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cY  | Opper Van Treurenstraat 18 3274ND Heinenoord | 92.774   | 426.808   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cZ  | Opper Van Treurenstraat 20 3274ND Heinenoord | 92.773   | 426.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CZ  | Nijverheidsweg 8 3274KJ Heinenoord           | 95.544   | 425.248   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| D   | Blaaksedijk West 41 3274LD Heinenoord        | 93.876   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •D  | Achterzeedijk 1 a 30 2991SB Barendrecht      | 97.225   | 427.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| da  | Opper Van Treurenstraat 22 3274ND Heinenoord | 92.773   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DA  | Boonsweg 4 3274LH Heinenoord                 | 95.346   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dB  | Opper Van Treurenstraat 24 3274ND Heinenoord | 92.773   | 426.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DB  | de Ruyterstraat 2 A 3274LJ Heinenoord        | 94.529   | 425.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dc  | Opper Van Treurenstraat 26 3274ND Heinenoord | 92.772   | 426.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DC  | van Galenstraat 1 3274LV Heinenoord          | 94.608   | 425.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DD  | Mollekade 7 3274LN Heinenoord                | 94.502   | 425.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dD  | Opper Van Treurenstraat 28 3274ND Heinenoord | 92.772   | 426.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DE  | Mollekade 4 3274LP Heinenoord                | 94.516   | 425.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dE  | Opper Van Treurenstraat 30 3274ND Heinenoord | 92.771   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DF  | Mollekade 2 3274LP Heinenoord                | 94.515   | 425.463   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dF  | Opper Van Treurenstraat 32 3274ND Heinenoord | 92.771   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dG  | Opper Van Treurenstraat 34 3274ND Heinenoord | 92.769   | 426.759   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DG  | van Galenstraat 28 3274LV Heinenoord         | 94.509   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DH  | Mollekade 6 3274LP Heinenoord                | 94.517   | 425.475   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dH  | Opper Van Treurenstraat 36 3274ND Heinenoord | 92.768   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dI  | Opper Van Treurenstraat 38 3274ND Heinenoord | 92.768   | 426.751   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DI  | Mollekade 26 C 3274LP Heinenoord             | 94.621   | 425.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DJ  | Mollekade 26 A 3274LP Heinenoord             | 94.605   | 425.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dJ  | Opper Van Treurenstraat 40 3274ND Heinenoord | 92.767   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DK  | Nijverheidsweg 36 3274KJ Heinenoord          | 95.512   | 425.322   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dK  | Opper Van Treurenstraat 42 3274ND Heinenoord | 92.767   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DL  | Doormanstraat 18 3274LK Heinenoord           | 94.705   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dL  | Opper Van Treurenstraat 44 3274ND Heinenoord | 92.766   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| dM  | Opper Van Treurenstraat 46 3274ND Heinenoord | 92.766   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DM  | de Ruyterstraat 9 3274LJ Heinenoord          | 94.591   | 425.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DN  | van Galenstraat 20 3274LV Heinenoord         | 94.530   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dN  | Opper Van Treurenstraat 48 3274ND Heinenoord | 92.765   | 426.731   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DO  | Mollekade 5 3274LN Heinenoord                | 94.497   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dO  | Opper Van Treurenstraat 50 3274ND Heinenoord | 92.765   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DP  | Mollekade 25 3274LN Heinenoord               | 94.598   | 425.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dP  | Opper Van Treurenstraat 52 3274ND Heinenoord | 92.765   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DQ  | Blaaksedijk West 17 3274LD Heinenoord        | 94.212   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 92.764   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 94.621   | 425.532   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 92.764   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 92.763   | 426.695   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 94.686   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 92.762   | 426.689   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DT  | Mollekade 19 3274LN Heinenoord               | 94.556   | 425.758   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 92.761   | 426.683   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DU  | Trompstraat 6 3274LT Heinenoord              | 94.618   | 425.404   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 92.761   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DV  | Trompstraat 24 3274LT Heinenoord             | 94.639   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 95.510   | 425.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 92.760   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 94.705   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 92.759   | 426.665   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 94.515   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 92.747   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 92.746   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 94.598   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 94.134   | 425.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 97.213   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 92.746   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 94.579   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 92.744   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 94.506   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 94.648   | 425.423   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 92.745   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 94.537   | 425.449   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 92.744   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 92.743   | 426.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 94.568   | 425.545   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 92.741   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EF  | Mollekade 26 3274LP Heinenoord               | 94.573   | 425.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 92.740   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 94.666   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 92.740   | 426.754   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 94.584   | 425.493   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 92.739   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 94.708   | 425.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 94.651   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 92.737   | 426.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 95.540   | 425.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 92.737   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 92.736   | 426.733   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 94.664   | 425.399   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 92.731   | 426.669   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 94.687   | 425.479   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EN  | Trompstraat 8 3274LT Heinenoord              | 94.619   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 92.723   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EO  | Trompstraat 4 3274LT Heinenoord              | 94.614   | 425.398   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 92.712   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 94.640   | 425.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 92.703   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 92.692   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.  | Name              | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|-------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |                   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| EQ van Galenstraat 13                      | 3274LV Heinenoord | 94.515   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eR Engel de Raatpad 12                     | 3274NC Heinenoord | 92.685   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ER Mollekade 12                            | 3274LP Heinenoord | 94.520   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eS Engel de Raatpad 14                     | 3274NC Heinenoord | 92.671   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ES van Galenstraat 22                      | 3274LV Heinenoord | 94.525   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ET Doormanstraat 29                        | 3274LK Heinenoord | 94.670   | 425.418   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eT Jan van Vlietstraat 1                   | 3274NE Heinenoord | 92.809   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eU Jan van Vlietstraat 3                   | 3274NE Heinenoord | 92.808   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EU Doormanstraat 17                        | 3274LK Heinenoord | 94.661   | 425.382   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eV Jan van Vlietstraat 5                   | 3274NE Heinenoord | 92.807   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EV Doormanstraat 10                        | 3274LK Heinenoord | 94.691   | 425.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eW Jan van Vlietstraat 7                   | 3274NE Heinenoord | 92.806   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EW Doormanstraat 14                        | 3274LK Heinenoord | 94.696   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EX Trompstraat 18                          | 3274LT Heinenoord | 94.634   | 425.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eX Jan van Vlietstraat 9                   | 3274NE Heinenoord | 92.805   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EY van Galenstraat 8                       | 3274LV Heinenoord | 94.582   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eY Jan van Vlietstraat 19                  | 3274NE Heinenoord | 92.795   | 426.692   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eZ Jan van Vlietstraat 21                  | 3274NE Heinenoord | 92.794   | 426.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EZ de Ruyterstraat 5                       | 3274LJ Heinenoord | 94.534   | 425.551   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| F Blaaksedijk West 55                      | 3274LD Heinenoord | 93.509   | 425.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •F Achterzeedijk 1 a 32 2991SB Barendrecht |                   | 97.204   | 427.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FA Trompstraat 26                          | 3274LT Heinenoord | 94.641   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fA Jan van Vlietstraat 23                  | 3274NE Heinenoord | 92.794   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FB van Galenstraat 24                      | 3274LV Heinenoord | 94.520   | 425.454   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fb Jan van Vlietstraat 25                  | 3274NE Heinenoord | 92.793   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FC van Galenstraat 3                       | 3274LV Heinenoord | 94.606   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fC Jan van Vlietstraat 27                  | 3274NE Heinenoord | 92.792   | 426.668   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fd Jan van Vlietstraat 29                  | 3274NE Heinenoord | 92.792   | 426.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FD Piet Heinstraat 6                       | 3274LR Heinenoord | 94.652   | 425.422   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE Wouter van den Walestr 11               | 3274CR Heinenoord | 92.402   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE De Ruyterstraat 13                      | 3274LJ Heinenoord | 94.644   | 425.519   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FF Mollekade 7 A                           | 3274LN Heinenoord | 94.515   | 425.591   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ff Wouter van den Walestr 13               | 3274CR Heinenoord | 92.402   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fG Wouter van den Walestr 15               | 3274CR Heinenoord | 92.403   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FG Blaaksedijk West 16                     | 3274LE Heinenoord | 94.251   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fh Wouter van den Walestr 17               | 3274CR Heinenoord | 92.403   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FH Oosteinde 5                             | 3274KB Heinenoord | 92.991   | 426.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fI Wouter van den Walestr 19               | 3274CR Heinenoord | 92.404   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FI Oosteinde 11                            | 3274KB Heinenoord | 92.959   | 426.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FJ Oosteinde 1                             | 3274KB Heinenoord | 93.032   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fj Wouter van den Walestr 21               | 3274CR Heinenoord | 92.404   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FK Oosteinde 3                             | 3274KB Heinenoord | 92.995   | 426.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fK Wouter van den Walestr 23               | 3274CR Heinenoord | 92.405   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FL Oud-Heinenoordseweg 9                   | 3274KD Heinenoord | 92.665   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fl Wouter van den Walestr 25               | 3274CR Heinenoord | 92.405   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fM Wouter van den Walestr 27               | 3274CR Heinenoord | 92.406   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FM Oud-Heinenoordseweg 3                   | 3274KD Heinenoord | 92.641   | 426.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FN Oosteinde 13                            | 3274KB Heinenoord | 92.956   | 426.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fn Wouter van den Walestr 29               | 3274CR Heinenoord | 92.406   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fO Wouter van den Walestr 31               | 3274CR Heinenoord | 92.407   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FO Oosteinde 7                             | 3274KB Heinenoord | 92.988   | 426.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fp Wouter van den Walestr 33               | 3274CR Heinenoord | 92.407   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FP Oosteinde 27                            | 3274KB Heinenoord | 92.815   | 426.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fQ Wouter van den Walestr 35               | 3274CR Heinenoord | 92.408   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FQ Oud-Heinenoordseweg 8                   | 3274KD Heinenoord | 92.698   | 426.370   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FR Oosteinde 25                            | 3274KB Heinenoord | 92.837   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fR Wouter van den Walestr 37               | 3274CR Heinenoord | 92.408   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FS Oud-Heinenoordseweg 10                  | 3274KD Heinenoord | 92.718   | 426.203   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fS Wouter van den Walestr 39               | 3274CR Heinenoord | 92.409   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Wouter van den Walestr 41               | 3274CR Heinenoord | 92.409   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Oud-Heinenoordseweg 7                   | 3274KD Heinenoord | 92.658   | 426.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fU Wouter van den Walestr 43               | 3274CR Heinenoord | 92.410   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FU Oud-Heinenoordseweg 1                   | 3274KD Heinenoord | 92.637   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord  | 92.410   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FV  | Oosteinde 19 3274KB Heinenoord               | 92.899   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fw  | Wouter van den Walestr 47 3274CR Heinenoord  | 92.411   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord      | 92.650   | 426.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fx  | Dorpsstraat 8 3274BD Heinenoord              | 92.409   | 426.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord     | 92.718   | 426.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord     | 92.679   | 426.498   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Jan van Vlietstraat 11 3274NE Heinenoord     | 92.800   | 426.765   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FZ  | Oosteinde 17 3274KB Heinenoord               | 92.930   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 92.799   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 93.599   | 425.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 97.202   | 427.574   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 92.684   | 426.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 92.799   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 92.798   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GB  | Oosteinde 21 3274KB Heinenoord               | 92.878   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GC  | Oosteinde 9 3274KB Heinenoord                | 92.969   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 92.798   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 92.673   | 426.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gd  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 92.797   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GE  | Oosteinde 31 3274KB Heinenoord               | 92.753   | 426.596   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 92.797   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 92.797   | 426.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 92.782   | 426.222   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GG  | Oosteinde 15 3274KB Heinenoord               | 92.945   | 426.559   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 92.681   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 92.679   | 426.741   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 92.683   | 426.492   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 92.679   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 92.698   | 426.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 92.994   | 426.566   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 92.677   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 93.254   | 426.304   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 93.014   | 426.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 92.672   | 426.438   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 93.343   | 426.207   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GM  | Oosteinde 29 3274KB Heinenoord               | 92.782   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 93.390   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 92.603   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 93.633   | 426.428   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 93.291   | 426.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 92.695   | 426.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gP  | Koedood 17 a 2993AL Barendrecht              | 93.423   | 428.241   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 92.721   | 426.424   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gQ  | Koedood 17 2993AL Barendrecht                | 93.478   | 428.194   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GQ  | Oosteinde 23 3274KB Heinenoord               | 92.852   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 92.331   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 95.724   | 427.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 92.583   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 96.194   | 427.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 95.698   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 92.453   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 92.154   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 95.754   | 427.762   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 96.138   | 427.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GV  | Avenhil 5 3274CT Heinenoord                  | 92.651   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 95.933   | 427.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 92.493   | 426.706   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 92.302   | 427.062   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 95.504   | 427.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 92.185   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 95.723   | 427.667   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 96.006   | 427.680   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| GZ Avenhil 37 3274CT Heinenoord                  |      | 92.725   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| H Reedijk 1 3274KE Heinenoord                    |      | 93.754   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •H Achterzeedijk 1 a 34 2991SB Barendrecht       |      | 97.201   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hA Achterzeedijk 63 2992SB Barendrecht           |      | 95.725   | 427.694   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HA Hermannushof 14 3274CE Heinenoord             |      | 92.548   | 426.704   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hb Achterzeedijk 67 2992SB Barendrecht           |      | 95.724   | 427.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HB Marijkestraat 25 3274AJ Heinenoord            |      | 92.341   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hc Achterzeedijk 38 2992SC Barendrecht           |      | 96.136   | 427.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HC Kalesland 3 3274CH Heinenoord                 |      | 92.524   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hd Achterzeedijk 47 2992SB Barendrecht           |      | 95.955   | 427.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HD Prof. Teldersstraat 35 3274MC Heinenoord      |      | 92.853   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hE Achterzeedijk 39 2992SB Barendrecht           |      | 96.103   | 427.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HE Marijkestraat 11 3274AJ Heinenoord            |      | 92.296   | 427.063   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hf Achterzeedijk 41 2992SB Barendrecht           |      | 96.083   | 427.682   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HF John F. Kennedystraat 38 3274CG Heinenoord    |      | 92.808   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hg Achterzeedijk 64 2992SC Barendrecht           |      | 95.495   | 427.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HG Oranjestraat 16 3274AK Heinenoord             |      | 92.161   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hh Achterzeedijk 71 2992SB Barendrecht           |      | 95.702   | 427.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HH Boerengorzen 10 3274CV Heinenoord             |      | 92.755   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hI Achterzeedijk 59 2992SB Barendrecht           |      | 95.779   | 427.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HI Kalesland 78 3274CH Heinenoord                |      | 92.592   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HJ Margrietstraat 18 3274AH Heinenoord           |      | 92.329   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hJ Achterzeedijk 42 2992SC Barendrecht           |      | 95.997   | 427.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HK Martin Luther Kingstraat 60 3274CL Heinenoord |      | 92.594   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hK Achterzeedijk 49 2992SB Barendrecht           |      | 95.949   | 427.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hL Achterzeedijk 48 2992SC Barendrecht           |      | 95.960   | 427.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HL Talmahof 7 3274CN Heinenoord                  |      | 92.435   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hM Achterzeedijk 60 2992SC Barendrecht           |      | 95.562   | 428.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HM Kalesland 56 3274CH Heinenoord                |      | 92.580   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hn Achterzeedijk 58 2992SC Barendrecht           |      | 95.709   | 427.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HN Emmastraat 22 3274AC Heinenoord               |      | 92.295   | 426.783   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hO Achterzeedijk 61 2992SB Barendrecht           |      | 95.775   | 427.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HO John F. Kennedystraat 18 3274CG Heinenoord    |      | 92.727   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hP Achterzeedijk 40 2992SC Barendrecht           |      | 96.111   | 427.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HP Martin Luther Kingstraat 32 3274CK Heinenoord |      | 92.471   | 427.036   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HQ Dreeshof 1 3274CC Heinenoord                  |      | 92.521   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hq Achterzeedijk 61 b 2992SB Barendrecht         |      | 95.750   | 427.757   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HR Buitenlanden 8 3274MB Heinenoord              |      | 92.927   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hr Achterzeedijk 56 2992SC Barendrecht           |      | 95.856   | 427.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HS Heyne van Althenastraat 14 3274CD Heinenoord  |      | 92.431   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hS Achterzeedijk 73 2992SB Barendrecht           |      | 95.698   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HT Prof. Teldersstraat 11 3274CZ Heinenoord      |      | 92.799   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hT Achterzeedijk 50 2992SC Barendrecht           |      | 95.894   | 427.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hU Gorzenweg 10 3274LL Heinenoord                |      | 94.688   | 426.134   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HU Prof. Teldersstraat 16 3274MC Heinenoord      |      | 92.832   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HV John F. Kennedystraat 41 3274CG Heinenoord    |      | 92.519   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hV Gorzenweg 8 3274LL Heinenoord                 |      | 94.759   | 426.128   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hW Mollekade 31 3274LN Heinenoord                |      | 94.641   | 426.106   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HW Rietwaard 17 3274MA Heinenoord                |      | 92.876   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hX Mollekade 32 3274LP Heinenoord                |      | 94.741   | 426.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HX Koomansland 26 3274CJ Heinenoord              |      | 92.411   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hY Boonsweg 44 3274LH Heinenoord                 |      | 95.724   | 426.443   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HY Wouter van den Walestr 32 3274CR Heinenoord   |      | 92.333   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HZ Avenhil 14 3274CT Heinenoord                  |      | 92.676   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hZ Gorzenweg 6 A 3274LL Heinenoord               |      | 95.324   | 426.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| I Reedijk 1 A 3274KE Heinenoord                  |      | 93.788   | 425.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •I Achterzeedijk 1 a 35 2991SB Barendrecht       |      | 97.194   | 427.540   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Avenhil 3 3274CT Heinenoord                   |      | 92.659   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iA Zomerlandseweg 9 3274LX Heinenoord            |      | 94.414   | 426.121   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB John F. Kennedystraat 40 3274CG Heinenoord    |      | 92.806   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Mollekade 29 3274LN Heinenoord                |      | 94.637   | 426.065   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iC Mollekade 28 3274LP Heinenoord                |      | 94.717   | 426.285   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Wouter van den Walestr 72 3274CS Heinenoord   |      | 92.370   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| ID Dreehof 9                   | 3274CC Heinenoord  | 92.522   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iD Mollekade 39                | 3274LN Heinenoord  | 94.670   | 426.219   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE Thorbeckehof 1              | 3274CP Heinenoord  | 92.607   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iE Mollekade 41                | 3274LN Heinenoord  | 94.681   | 426.298   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF Spuivelden 25               | 3274CM Heinenoord  | 92.577   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iF Mollekade 47                | 3274LN Heinenoord  | 94.713   | 426.397   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iG Mollekade 45                | 3274LN Heinenoord  | 94.691   | 426.338   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG Wiardi Beckmanhof 8         | 3274CX Heinenoord  | 92.657   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH Talmahof 4                  | 3274CN Heinenoord  | 92.489   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iH Gorzenweg 4 A               | 3274LL Heinenoord  | 95.361   | 426.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II John F. Kennedystraat 4     | 3274CG Heinenoord  | 92.663   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ii Mollekade 43                | 3274LN Heinenoord  | 94.680   | 426.316   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ Abraham Kuyperhof 8         | 3274CW Heinenoord  | 92.732   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iJ Gorzenweg 6                 | 3274LL Heinenoord  | 95.315   | 426.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK De Laagjes 12               | 3274CB Heinenoord  | 92.464   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK Mollekade 35                | 3274LN Heinenoord  | 94.652   | 426.161   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iL Gorzenweg 4                 | 3274LL Heinenoord  | 95.481   | 425.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL Talmahof 11                 | 3274CN Heinenoord  | 92.436   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM John F. Kennedystraat 59    | 3274CG Heinenoord  | 92.604   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iM Gorzenweg 6 F               | 3274LL Heinenoord  | 94.940   | 426.314   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN Prof. Teldersstraat 24      | 3274MC Heinenoord  | 92.852   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iN Gorzenweg 11                | 3274LL Heinenoord  | 95.240   | 425.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO Martin Luther Kingstraat 52 | 3274CL Heinenoord  | 92.561   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iO Van Hobokenhaven 41         | 2993HH Barendrecht | 93.458   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP Koomansland 32              | 3274CJ Heinenoord  | 92.446   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iP Steekkant 40                | 2993DB Barendrecht | 94.060   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ Boerengorzen 1              | 3274CV Heinenoord  | 92.780   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iQ Steekkant 33                | 2993DB Barendrecht | 93.963   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR Spieringwater 12            | 2993DM Barendrecht | 94.127   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR Kalesland 52                | 3274CH Heinenoord  | 92.569   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iS Koedood 6 a                 | 2993AL Barendrecht | 93.774   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS Andries Woutershof 20       | 3274CA Heinenoord  | 92.500   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT Avenhil 15                  | 3274CT Heinenoord  | 92.671   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iT Steekkant 107               | 2993DB Barendrecht | 94.069   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iU Van Hobokenhaven 25         | 2993HH Barendrecht | 93.455   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU Wiardi Beckmanhof 5         | 3274CX Heinenoord  | 92.662   | 427.016   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV Swarttouwhaven 8            | 2993HP Barendrecht | 93.614   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV Kalesland 19                | 3274CH Heinenoord  | 92.555   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iW Steekkant 2                 | 2993DB Barendrecht | 93.941   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW Beatrixstraat 38            | 3274AA Heinenoord  | 92.203   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iX Müllerhaven 32              | 2993EA Barendrecht | 93.829   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX Martin Luther Kingstraat 30 | 3274CK Heinenoord  | 92.472   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY Oranjestraat 11 B           | 3274AK Heinenoord  | 92.164   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y Calandhaven 3                | 2993HL Barendrecht | 93.498   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iZ Steekkant 87                | 2993DB Barendrecht | 94.073   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ Spuivelden 17               | 3274CM Heinenoord  | 92.579   | 426.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J Blaaksedijk West 53          | 3274LD Heinenoord  | 93.524   | 425.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •J Achterzeedijk 1 a 36        | 2991SB Barendrecht | 97.189   | 427.522   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JA John F. Kennedystraat 39    | 3274CG Heinenoord  | 92.513   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ja Meeshaven 5                 | 2993HN Barendrecht | 93.652   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB Prof. Teldersstraat 41      | 3274MC Heinenoord  | 92.877   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB Smithaven 4                 | 2993EC Barendrecht | 93.830   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC Müllerhaven 54              | 2993EA Barendrecht | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC Emmastraat 11               | 3274AC Heinenoord  | 92.253   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD Steekkant 13                | 2993DB Barendrecht | 93.962   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD John F. Kennedystraat 2     | 3274CG Heinenoord  | 92.654   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JE Wouter van den Walestr 48   | 3274CS Heinenoord  | 92.364   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jE Kröllerhaven 12             | 2993ED Barendrecht | 93.733   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF Avenhil 9                   | 3274CT Heinenoord  | 92.633   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF Steekkant 51                | 2993DB Barendrecht | 93.956   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG De Laagjes 23               | 3274CB Heinenoord  | 92.499   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG Zalmwater 143               | 2993DX Barendrecht | 94.104   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JH Bernhardstraat 1 B          | 3274AB Heinenoord  | 92.194   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| jH  | Van Hobokenhaven 43 2993HH Barendrecht        | 93.455   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jI  | Müllerhaven 70 2993EA Barendrecht             | 93.830   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JI  | Rietwaard 20 3274MA Heinenoord                | 92.863   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jj  | Stekkant 89 2993DB Barendrecht                | 94.071   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 92.237   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jk  | Müllerhaven 36 2993EA Barendrecht             | 93.833   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 92.832   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 92.537   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jl  | Stekkant 73 2993DB Barendrecht                | 93.961   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 92.403   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jm  | Aalwater 20 2993DD Barendrecht                | 93.999   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jN  | Stekkant 111 2993DB Barendrecht               | 94.073   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 92.783   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Smithaven 6 2993EC Barendrecht                | 93.821   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Oosteinde 45 3274KB Heinenoord                | 92.627   | 426.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 92.369   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 92.291   | 426.989   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Smithaven 35 2993EC Barendrecht               | 93.707   | 428.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 92.439   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 93.824   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Stekkant 127 2993DB Barendrecht               | 94.066   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Kalesland 32 3274CH Heinenoord                | 92.533   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Van Hobokenhaven 61 2993HH Barendrecht        | 93.459   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Talmahof 2 3274CN Heinenoord                  | 92.489   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jU  | Smithaven 18 2993EC Barendrecht               | 93.764   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 92.213   | 426.773   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | Swarttouwhaven 52 2993HP Barendrecht          | 93.503   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 92.871   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Kabbelkant 6 2993DC Barendrecht               | 94.010   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 92.519   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Meeshaven 7 2993HN Barendrecht                | 93.653   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 92.331   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 92.531   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 92.292   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 93.579   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 93.552   | 425.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 97.186   | 427.580   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 93.497   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Talmahof 8 3274CN Heinenoord                  | 92.490   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 93.497   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Irenestraat 28 3274AE Heinenoord              | 92.285   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 92.501   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Van Hobokenhaven 27 2993HH Barendrecht        | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 92.239   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 92.522   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 93.859   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 93.583   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 92.401   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Stekkant 147 2993DB Barendrecht               | 94.069   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Emmastraat 30 3274AC Heinenoord               | 92.214   | 426.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 92.354   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Van Hobokenhaven 59 2993HH Barendrecht        | 93.454   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Aalwater 4 2993DD Barendrecht                 | 93.959   | 428.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Emmastraat 32 3274AC Heinenoord               | 92.208   | 426.810   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 92.289   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 93.761   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | De Laagjes 21 3274CB Heinenoord               | 92.500   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | Aalwater 19 2993DD Barendrecht                | 94.000   | 428.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Steurwater 13 2993DE Barendrecht              | 93.944   | 428.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 92.887   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| KM Irenestraat 3               | 3274AD Heinenoord    | 92.236   | 426.951   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KM Vederhaven 3                | 2993EB Barendrecht   | 93.772   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Van Hobokenhaven 39         | 2993HH Barendrecht   | 93.459   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Irenestraat 36              | 3274AE Heinenoord    | 92.272   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Emmastraat 20               | 3274AC Heinenoord    | 92.289   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Müllerhaven 8               | 2993EA Barendrecht   | 93.832   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Steekkant 129               | 2993DB Barendrecht   | 94.067   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Oosteinde 41                | 3274KB Heinenoord    | 92.653   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ Steekkant 149               | 2993DB Barendrecht   | 94.067   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ John F. Kennedystraat 35    | 3274CG Heinenoord    | 92.502   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Avenhil 30                  | 3274CT Heinenoord    | 92.734   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Smithaven 59                | 2993EC Barendrecht   | 93.702   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS Ruyshaven 4                 | 2993HM Barendrecht   | 93.551   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS John F. Kennedystraat 55    | 3274CG Heinenoord    | 92.593   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Martin Luther Kingstraat 34 | 3274CL Heinenoord    | 92.495   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Swarttouwhaven 10           | 2993HP Barendrecht   | 93.585   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Steekkant 109               | 2993DB Barendrecht   | 94.071   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Koomansland 6               | 3274CJ Heinenoord    | 92.414   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Boerengorzen 8              | 3274CV Heinenoord    | 92.749   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Müllerhaven 42              | 2993EA Barendrecht   | 93.833   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kW Müllerhaven 48              | 2993EA Barendrecht   | 93.826   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KW Margrietstraat 20           | 3274AH Heinenoord    | 92.329   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Dorpsstraat 1 A             | 3274BB Heinenoord    | 92.553   | 426.618   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Kröllerhaven 53             | 2993ED Barendrecht   | 93.744   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY Steekkant 57                | 2993DB Barendrecht   | 93.962   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY John F. Kennedystraat 5     | 3274CG Heinenoord    | 92.402   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kalesland 72                | 3274CH Heinenoord    | 92.605   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kröllerhaven 23             | 2993ED Barendrecht   | 93.860   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| L Reedijk 2                    | 3274KE Heinenoord    | 93.694   | 425.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •L Achterzeedijk 1 a 38        | 2991SB Barendrecht   | 97.175   | 427.568   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LA John F. Kennedystraat 67    | 3274CG Heinenoord    | 92.708   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Ruyshaven 8                 | 2993HM Barendrecht   | 93.556   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LB Wouter van den Walestr      | 28 3274CR Heinenoord | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Swarttouwhaven 44           | 2993HP Barendrecht   | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Müllerhaven 56              | 2993EA Barendrecht   | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LC Dreeshof 11                 | 3274CC Heinenoord    | 92.522   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LD John F. Kennedystraat 22    | 3274CG Heinenoord    | 92.736   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ID Steekkant 22                | 2993DB Barendrecht   | 94.033   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LE Kalesland 18                | 3274CH Heinenoord    | 92.498   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE Meeshaven 2                 | 2993HN Barendrecht   | 93.625   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF Aalwater 14                 | 2993DD Barendrecht   | 93.984   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LF Koomansland 18              | 3274CJ Heinenoord    | 92.388   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG Steekkant 55                | 2993DB Barendrecht   | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LG Boerengorzen 4              | 3274CV Heinenoord    | 92.749   | 426.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LH Julianalaan 40              | 3274AG Heinenoord    | 92.149   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH Steekkant 77                | 2993DB Barendrecht   | 93.966   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II Steekkant 115               | 2993DB Barendrecht   | 94.076   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LI John F. Kennedystraat 13    | 3274CG Heinenoord    | 92.408   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ Kröllerhaven 37             | 2993ED Barendrecht   | 93.819   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LJ Rietwaard 24                | 3274MA Heinenoord    | 92.894   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK Kröllerhaven 39             | 2993ED Barendrecht   | 93.810   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LK Heyne van Althenastraat 30  | 3274CD Heinenoord    | 92.525   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LL Kalesland 7                 | 3274CH Heinenoord    | 92.523   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL Swarttouwhaven 30           | 2993HP Barendrecht   | 93.498   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LM Julianalaan 46              | 3274AG Heinenoord    | 92.159   | 427.083   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM Steekkant 19                | 2993DB Barendrecht   | 93.966   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LN Marijkestraat 1 B           | 3274AJ Heinenoord    | 92.231   | 427.075   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN Steekkant 12                | 2993DB Barendrecht   | 93.974   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO Müllerhaven 24              | 2993EA Barendrecht   | 93.834   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LO Irenestraat 10              | 3274AE Heinenoord    | 92.256   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP Spieringwater 8             | 2993DM Barendrecht   | 94.126   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LP Wiardi Beckmanhof 7         | 3274CX Heinenoord    | 92.663   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ Kröllerhaven 51             | 2993ED Barendrecht   | 93.754   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| LQ  | Spuivelden 8 3274CM Heinenoord                | 92.576   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord      | 92.853   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kabbelkant 2 2993DC Barendrecht               | 94.009   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Steekkant 10 2993DB Barendrecht               | 93.969   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LS  | Beatrixstraat 34 3274AA Heinenoord            | 92.201   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LT  | Marijkestraat 2 3274AJ Heinenoord             | 92.226   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Swarttouwhaven 20 2993HP Barendrecht          | 93.499   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord | 92.420   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Kabbelkant 8 2993DC Barendrecht               | 94.011   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Koedood 8 2993AL Barendrecht                  | 93.740   | 428.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LV  | Rietwaard 5 3274MA Heinenoord                 | 92.841   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord   | 92.438   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Kröllehaven 41 2993ED Barendrecht             | 93.800   | 428.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LX  | Rietwaard 6 3274MA Heinenoord                 | 92.809   | 426.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Steekkant 63 2993DB Barendrecht               | 93.955   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord    | 92.799   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY  | Steekkant 101 2993DB Barendrecht              | 94.071   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LZ  | Avenhil 36 3274CT Heinenoord                  | 92.723   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Steekkant 1 2993DB Barendrecht                | 93.956   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| M   | Reedijk 3 3274KE Heinenoord                   | 93.749   | 425.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht       | 97.168   | 427.550   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MA  | Irenestraat 26 3274AE Heinenoord              | 92.279   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mA  | Müllerhaven 58 2993EA Barendrecht             | 93.825   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mb  | Steekkant 15 2993DB Barendrecht               | 93.960   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord       | 92.800   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mC  | Müllerhaven 12 2993EA Barendrecht             | 93.833   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MC  | Oranjestraat 26 3274AK Heinenoord             | 92.200   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mD  | Steekkant 133 2993DB Barendrecht              | 94.075   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MD  | Avenhil 23 3274CT Heinenoord                  | 92.710   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mE  | Aalwater 13 2993DD Barendrecht                | 93.982   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ME  | Dorpsstraat 1 3274BB Heinenoord               | 92.476   | 426.622   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mF  | Swarttouwhaven 24 2993HP Barendrecht          | 93.499   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MF  | Kalesland 58 3274CH Heinenoord                | 92.596   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord   | 92.361   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mG  | Steekkant 37 2993DB Barendrecht               | 93.964   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mH  | Kabbelkant 4 2993DC Barendrecht               | 94.010   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MH  | Irenestraat 48 3274AE Heinenoord              | 92.309   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Avenhil 13 3274CT Heinenoord                  | 92.682   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Steurwater 5 2993DE Barendrecht               | 93.941   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mJ  | Vederhaven 11 2993EB Barendrecht              | 93.751   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MJ  | Kalesland 1 3274CH Heinenoord                 | 92.524   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mK  | Swarttouwhaven 48 2993HP Barendrecht          | 93.496   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MK  | Koomansland 5 3274CJ Heinenoord               | 92.449   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ML  | Margrietstraat 9 3274AH Heinenoord            | 92.288   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mL  | Steekkant 153 2993DB Barendrecht              | 94.065   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MM  | Emmastraat 16 3274AC Heinenoord               | 92.279   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mm  | Steekkant 24 2993DB Barendrecht               | 94.031   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MN  | Irenestraat 1 3274AD Heinenoord               | 92.232   | 426.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mN  | Steekkant 16 2993DB Barendrecht               | 93.985   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mO  | Steekkant 14 2993DB Barendrecht               | 93.980   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MO  | Avenhil 10 3274CT Heinenoord                  | 92.633   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MP  | Spuivelden 15 3274CM Heinenoord               | 92.578   | 426.840   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mP  | Smithaven 2 2993EC Barendrecht                | 93.839   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord        | 92.700   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mQ  | Aalwater 8 2993DD Barendrecht                 | 93.969   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MR  | Talmahof 9 3274CN Heinenoord                  | 92.435   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mR  | Steekkant 53 2993DB Barendrecht               | 93.959   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mS  | Smithaven 43 2993EC Barendrecht               | 93.705   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MS  | Beatrixstraat 48 3274AA Heinenoord            | 92.211   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mT  | Müllerhaven 72 2993EA Barendrecht             | 93.832   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MT  | De Laagjes 26 3274CB Heinenoord               | 92.515   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MU  | Bernhardstraat 6 3274AB Heinenoord            | 92.233   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mU  | Smithaven 14 2993EC Barendrecht               | 93.783   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| MV Wiardi Beckmanhof 11        | 3274CX Heinenoord  | 92.674   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mV Van Hobokenhaven 45         | 2993HH Barendrecht | 93.458   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mW Steekkant 48                | 2993DB Barendrecht | 94.081   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MW Julianalaan 42              | 3274AG Heinenoord  | 92.154   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MX De Laagjes 22               | 3274CB Heinenoord  | 92.502   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mX Steekkant 75                | 2993DB Barendrecht | 93.957   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mY Steekkant 91                | 2993DB Barendrecht | 94.069   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MY Kooimansland 13             | 3274CJ Heinenoord  | 92.469   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mZ Aalwater 18                 | 2993DD Barendrecht | 93.994   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MZ Kalesland 46                | 3274CH Heinenoord  | 92.560   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| N Blaaksedijk West 31          | 3274LD Heinenoord  | 94.016   | 425.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht | 97.158   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NA Spuivelden 9                | 3274CM Heinenoord  | 92.530   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nA Aalwater 16                 | 2993DD Barendrecht | 93.989   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nB Steekkant 17                | 2993DB Barendrecht | 93.960   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord  | 92.525   | 426.966   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NC Irenestraat 20              | 3274AE Heinenoord  | 92.261   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nC Zalmwater 155               | 2993DX Barendrecht | 94.060   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ND Oranjestraat 31             | 3274AK Heinenoord  | 92.285   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nd Müllerhaven 60              | 2993EA Barendrecht | 93.830   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nE Swarttouwhaven 18           | 2993HP Barendrecht | 93.502   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NE Kalesland 28                | 3274CH Heinenoord  | 92.525   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nF Zalmwater 151               | 2993DX Barendrecht | 94.079   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord  | 92.561   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord  | 92.868   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht | 93.456   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nH Smithaven 33                | 2993EC Barendrecht | 93.708   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NH Dorpsstraat 7               | 3274BB Heinenoord  | 92.395   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nI Müllerhaven 4               | 2993EA Barendrecht | 93.828   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NI Kalesland 64                | 3274CH Heinenoord  | 92.596   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nJ Smithaven 39                | 2993EC Barendrecht | 93.706   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NJ Andries Woutershof 8        | 3274CA Heinenoord  | 92.473   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NK Beatrixstraat 23            | 3274AA Heinenoord  | 92.186   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nK Müllerhaven 10              | 2993EA Barendrecht | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord  | 92.800   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nL Steekkant 131               | 2993DB Barendrecht | 94.069   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NM Oosteinde 24                | 3274KC Heinenoord  | 92.685   | 426.638   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nN Steekkant 23                | 2993DB Barendrecht | 93.955   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord  | 92.801   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NO Kooimansland 1              | 3274CJ Heinenoord  | 92.450   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nO Steekkant 50                | 2993DB Barendrecht | 94.087   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NP Buitenlanden 21             | 3274MB Heinenoord  | 92.902   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nP Steekkant 20                | 2993DB Barendrecht | 93.995   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nQ Müllerhaven 64              | 2993EA Barendrecht | 93.835   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NQ Marliquestraat 9            | 3274AJ Heinenoord  | 92.285   | 427.067   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nR Kröllerhaven 15             | 2993ED Barendrecht | 93.862   | 428.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord  | 92.788   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nS Steekkant 79                | 2993DB Barendrecht | 93.961   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord  | 92.808   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NT Kalesland 6                 | 3274CH Heinenoord  | 92.480   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nT Steekkant 35                | 2993DB Barendrecht | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nU Kröllerhaven 33             | 2993ED Barendrecht | 93.837   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NU Kooimansland 2              | 3274CJ Heinenoord  | 92.415   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord  | 92.742   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nV Swarttouwhaven 38           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord  | 92.453   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nW Kabbelkant 16               | 2993DC Barendrecht | 94.014   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht | 93.458   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NX Oosteinde 16                | 3274KC Heinenoord  | 92.757   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NY Irenestraat 19              | 3274AD Heinenoord  | 92.246   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nY Meeshaven 18                | 2993HN Barendrecht | 93.637   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NZ Bernhardstraat 4            | 3274AB Heinenoord  | 92.227   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| nZ Ruyshaven 7                 | 2993HM Barendrecht | 93.583   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| O Blaaksedijk West 32          | 3274LE Heinenoord  | 93.953   | 425.690   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht | 97.153   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OA Boerengorzen 2              | 3274CV Heinenoord  | 92.753   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oA Müllerhaven 62              | 2993EA Barendrecht | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oB Smithaven 27                | 2993EC Barendrecht | 93.709   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord  | 92.386   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oC Aalwater 21                 | 2993DD Barendrecht | 94.015   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord  | 92.824   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oD Swarttouwhaven 56           | 2993HP Barendrecht | 93.506   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OD Irenestraat 44              | 3274AE Heinenoord  | 92.296   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OE Kalesland 22                | 3274CH Heinenoord  | 92.508   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oE Van Hobokenhaven 21         | 2993HH Barendrecht | 93.453   | 428.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OF Marijkestraat 4             | 3274AJ Heinenoord  | 92.232   | 427.051   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oF Kröllerhaven 27             | 2993ED Barendrecht | 93.859   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OG Wiardi Beckmanhof 1         | 3274CX Heinenoord  | 92.661   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oG Kröllerhaven 19             | 2993ED Barendrecht | 93.861   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OH Emmastraat 2 F              | 3274AC Heinenoord  | 92.220   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oH Ruyshaven 2                 | 2993HM Barendrecht | 93.551   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OI Koomansland 22              | 3274CJ Heinenoord  | 92.398   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oI Koedood 2 b                 | 2993AL Barendrecht | 93.846   | 428.476   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ Prof. Teldersstraat 26      | 3274MC Heinenoord  | 92.857   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oJ Swarttouwhaven 60           | 2993HP Barendrecht | 93.501   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OK Avenhil 12                  | 3274CT Heinenoord  | 92.653   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oK Müllerhaven 28              | 2993EA Barendrecht | 93.834   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oL Spieringwater 14            | 2993DM Barendrecht | 94.128   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OL Martin Luther Kingstraat 46 | 3274CL Heinenoord  | 92.532   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oM Aalwater 7                  | 2993DD Barendrecht | 93.967   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OM Heyne van Althenastraat 10  | 3274CD Heinenoord  | 92.434   | 426.746   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oN Steekkant 34                | 2993DB Barendrecht | 94.029   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ON Rietwaard 10                | 3274MA Heinenoord  | 92.812   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oO Steekkant 61                | 2993DB Barendrecht | 93.965   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OO Martin Luther Kingstraat 62 | 3274CL Heinenoord  | 92.599   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OP Avenhil 40                  | 3274CT Heinenoord  | 92.701   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oP Steekkant 167               | 2993DB Barendrecht | 94.129   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OQ Emmastraat 28               | 3274AC Heinenoord  | 92.225   | 426.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oQ Van Hobokenhaven 57         | 2993HH Barendrecht | 93.462   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oR Steekkant 159               | 2993DB Barendrecht | 94.069   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OR Avenhil 16                  | 3274CT Heinenoord  | 92.666   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OS Irenestraat 46              | 3274AE Heinenoord  | 92.303   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oS Kröllerhaven 21             | 2993ED Barendrecht | 93.860   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oT Ruyshaven 6                 | 2993HM Barendrecht | 93.555   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OT Kalesland 5                 | 3274CH Heinenoord  | 92.524   | 426.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OU Oranjestraat 29             | 3274AK Heinenoord  | 92.278   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oU Koedood 18                  | 2993AL Barendrecht | 93.530   | 428.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OV Prof. Teldersstraat 49      | 3274MC Heinenoord  | 92.877   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oV Van Hobokenhaven 67         | 2993HH Barendrecht | 93.452   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oW Swarttouwhaven 54           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OW Irenestraat 16              | 3274AE Heinenoord  | 92.260   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oX Kabbelkant 10               | 2993DC Barendrecht | 94.011   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OX De Laagjes 16               | 3274CB Heinenoord  | 92.486   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oY Smithaven 8                 | 2993EC Barendrecht | 93.812   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OY Wouter van den Walestr 52   | 3274CS Heinenoord  | 92.362   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oZ Müllerhaven 26              | 2993EA Barendrecht | 93.828   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ Martin Luther Kingstraat 24 | 3274CK Heinenoord  | 92.451   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| P Blaaksedijk West 33          | 3274LD Heinenoord  | 94.002   | 425.633   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •P Achterzeedijk 1 a 42        | 2991SB Barendrecht | 97.152   | 427.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PA Wouter van den Walestr 76   | 3274CS Heinenoord  | 92.366   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pA Steekkant 163               | 2993DB Barendrecht | 94.078   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pB Steekkant 93                | 2993DB Barendrecht | 94.071   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PB Avenhil 20                  | 3274CT Heinenoord  | 92.705   | 426.937   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PC Martin Luther Kingstraat 10 | 3274CK Heinenoord  | 92.408   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pC Van Hobokenhaven 23         | 2993HH Barendrecht | 93.453   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 92.335   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 93.504   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pE  | Stekkant 32 2993DB Barendrecht                | 94.029   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 92.867   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pF  | Stekkant 99 2993DB Barendrecht                | 94.073   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 92.780   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pG  | Smithaven 10 2993EC Barendrecht               | 93.803   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 92.678   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pH  | Aalwater 1 2993DD Barendrecht                 | 93.941   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PH  | Rietwaard 2 3274MA Heinenoord                 | 92.810   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 92.729   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pI  | Stekkant 161 2993DB Barendrecht               | 94.077   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pJ  | Kröllehaven 2 2993ED Barendrecht              | 93.779   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 92.235   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pK  | Smithaven 21 2993EC Barendrecht               | 93.710   | 428.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 92.831   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PL  | Kalesland 10 3274CH Heinenoord                | 92.480   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PM  | Avenhil 6 3274CT Heinenoord                   | 92.633   | 426.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pM  | Stekkant 139 2993DB Barendrecht               | 94.077   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pN  | Zalmwater 139 2993DX Barendrecht              | 94.117   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 92.788   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pO  | Kröllehaven 47 2993ED Barendrecht             | 93.772   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PO  | Kalesland 26 3274CH Heinenoord                | 92.519   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pP  | Stekkant 9 2993DB Barendrecht                 | 93.960   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 92.831   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 92.464   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 93.972   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PR  | Hermannushof 10 3274CE Heinenoord             | 92.535   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pR  | Stekkant 95 2993DB Barendrecht                | 94.073   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 93.571   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 92.498   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pT  | Smithaven 25 2993EC Barendrecht               | 93.709   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 92.330   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 92.578   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 93.542   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pV  | Smithaven 23 2993EC Barendrecht               | 93.710   | 428.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PV  | Irenestraat 12 3274AE Heinenoord              | 92.258   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pW  | Stekkant 28 2993DB Barendrecht                | 94.030   | 428.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 92.624   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 93.834   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 92.433   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pY  | Stekkant 5 2993DB Barendrecht                 | 93.956   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 92.831   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 92.213   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Q   | Blaaksedijk West 47 3274LD Heinenoord         | 93.612   | 425.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 97.150   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 93.827   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 92.860   | 426.635   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QB  | Koimansland 12 3274CJ Heinenoord              | 92.405   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qb  | Stekkant 6 2993DB Barendrecht                 | 93.959   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 92.202   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qC  | Stekkant 25 2993DB Barendrecht                | 93.961   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QD  | Avenhil 11 3274CT Heinenoord                  | 92.633   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qD  | Smithaven 51 2993EC Barendrecht               | 93.704   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QE  | De Laagjes 17 3274CB Heinenoord               | 92.501   | 426.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qE  | Müllerhaven 22 2993EA Barendrecht             | 93.830   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Stekkant 143 2993DB Barendrecht               | 94.073   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Marijkestraat 7 3274AJ Heinenoord             | 92.278   | 427.068   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 93.557   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QG  | Avenhil 34 3274CT Heinenoord                  | 92.711   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qH  | Stekkant 7 2993DB Barendrecht                 | 93.956   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| QH  | Koomansland 14 3274CJ Heinenoord              | 92.405   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QI  | Irenestraat 13 3274AD Heinenoord              | 92.242   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qI  | Stekkant 45 2993DB Barendrecht                | 93.958   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ  | Martin Luther Kingstraat 68 3274CL Heinenoord | 92.619   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qJ  | Koedood 25 2993AL Barendrecht                 | 93.183   | 428.725   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord      | 92.799   | 427.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qK  | Stekkant 47 2993DB Barendrecht                | 93.955   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QL  | Andries Woutershof 24 3274CA Heinenoord       | 92.503   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qL  | Aalwater 10 2993DD Barendrecht                | 93.974   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht        | 93.463   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QM  | De Laagjes 19 3274CB Heinenoord               | 92.500   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QN  | Kalesland 38 3274CH Heinenoord                | 92.540   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qN  | Müllerhaven 46 2993EA Barendrecht             | 93.827   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qO  | Müllerhaven 68 2993EA Barendrecht             | 93.835   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QO  | Marijkestraat 21 3274AJ Heinenoord            | 92.328   | 427.057   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qP  | Steurwater 1 2993DE Barendrecht               | 93.940   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QP  | De Laagjes 4 3274CB Heinenoord                | 92.440   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord    | 92.428   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qQ  | Koedood 6 2993AL Barendrecht                  | 93.795   | 428.465   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qR  | Zalmwater 157 2993DX Barendrecht              | 94.060   | 428.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QR  | Bernhardstraat 3 3274AB Heinenoord            | 92.201   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qS  | Spieringwater 4 2993DM Barendrecht            | 94.126   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QS  | Oosteinde 37 3274KB Heinenoord                | 92.676   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QT  | De Laagjes 28 3274CB Heinenoord               | 92.520   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qT  | Spieringwater 10 2993DM Barendrecht           | 94.127   | 428.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QU  | Thorbeckehof 3 3274CP Heinenoord              | 92.607   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qU  | Spieringwater 2 2993DM Barendrecht            | 94.125   | 428.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qV  | Stekkant 54 2993DB Barendrecht                | 94.098   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QV  | De Laagjes 20 3274CB Heinenoord               | 92.498   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QW  | Buitelanden 4 3274MB Heinenoord               | 92.916   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qW  | Swarttouwhaven 62 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord        | 92.700   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qX  | Steurwater 11 2993DE Barendrecht              | 93.942   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QY  | Emmastraat 2 E 3274AC Heinenoord              | 92.225   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qY  | Swarttouwhaven 36 2993HP Barendrecht          | 93.503   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qZ  | Kabbelkant 14 2993DC Barendrecht              | 94.012   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ  | Koomansland 8 3274CJ Heinenoord               | 92.414   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| R   | Blaaksedijk West 24 3274LE Heinenoord         | 94.107   | 425.624   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht       | 97.144   | 427.538   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord    | 92.496   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rA  | Stekkant 41 2993DB Barendrecht                | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rB  | Stekkant 81 2993DB Barendrecht                | 93.962   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RB  | Boerengorzen 3 3274CV Heinenoord              | 92.780   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RC  | Kalesland 70 3274CH Heinenoord                | 92.605   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rC  | Koedood 14 2993AL Barendrecht                 | 93.601   | 428.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rD  | Müllerhaven 40 2993EA Barendrecht             | 93.825   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord        | 92.765   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rE  | Aalwater 11 2993DD Barendrecht                | 93.977   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RE  | Avenhil 28 3274CT Heinenoord                  | 92.724   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rF  | Smithaven 37 2993EC Barendrecht               | 93.707   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RF  | Oosteinde 22 3274KC Heinenoord                | 92.697   | 426.642   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht        | 93.460   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RG  | Andries Woutershof 16 3274CA Heinenoord       | 92.494   | 426.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rH  | Aalwater 15 2993DD Barendrecht                | 93.987   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord      | 92.873   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rI  | Stekkant 85 2993DB Barendrecht                | 94.010   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RI  | Emmastraat 34 3274AC Heinenoord               | 92.196   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rJ  | Zalmwater 141 2993DX Barendrecht              | 94.111   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RJ  | Oranjestraat 23 3274AK Heinenoord             | 92.259   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord    | 92.862   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rK  | Smithaven 12 2993EC Barendrecht               | 93.794   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rL  | Stekkant 44 2993DB Barendrecht                | 94.071   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord  | 92.428   | 426.723   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name                | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|---------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                     |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| RM Oranjestraat 17             | 3274AK Heinenoord   | 92.221   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rM Steekkant 4                 | 2993DB Barendrecht  | 93.954   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RN Buitenlanden 13             | 3274MB Heinenoord   | 92.894   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rN Van Hobokenhaven 37         | 2993HH Barendrecht  | 93.460   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RO Bernhardstraat 2            | 3274AB Heinenoord   | 92.220   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rO Van Hobokenhaven 19         | 2993HH Barendrecht  | 93.459   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RP Buitenlanden 17             | 3274MB Heinenoord   | 92.902   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rP Calandhaven 1               | 2993HL Barendrecht  | 93.488   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rQ Koedood 22                  | 2993AL Barendrecht  | 93.468   | 428.458   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RQ Marijkestraat 1             | C 3274AJ Heinenoord | 92.240   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RR Irenestraat 40              | 3274AE Heinenoord   | 92.284   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rR Aalwater 2                  | 2993DD Barendrecht  | 93.946   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rS Steekkant 103               | 2993DB Barendrecht  | 94.069   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RS Bernhardstraat 16           | 3274AB Heinenoord   | 92.264   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RT Buitenlanden 12             | 3274MB Heinenoord   | 92.929   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rT Aalwater 5                  | 2993DD Barendrecht  | 93.962   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rU Kröllerhaven 31             | 2993ED Barendrecht  | 93.857   | 428.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RU Wouter van den Walestr 26   | 3274CR Heinenoord   | 92.329   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rV Smithaven 53                | 2993EC Barendrecht  | 93.703   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RV Boerengorzen 9              | 3274CV Heinenoord   | 92.781   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rW Müllerhaven 30              | 2993EA Barendrecht  | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RW Emmastraat 3                | 3274AC Heinenoord   | 92.223   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rX Swarttouwhaven 58           | 2993HP Barendrecht  | 93.503   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RX De Laagjes 2                | 3274CB Heinenoord   | 92.436   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rY Vederhaven 15               | 2993EB Barendrecht  | 93.740   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RY Koomansland 28              | 3274CJ Heinenoord   | 92.417   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rZ Smithaven 57                | 2993EC Barendrecht  | 93.703   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RZ Prof. Teldersstraat 31      | 3274MC Heinenoord   | 92.850   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| S Reedijs 3 A                  | 3274KE Heinenoord   | 93.739   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •S Achterzeedijk 1 a 45        | 2991SB Barendrecht  | 97.138   | 427.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sA Swarttouwhaven 26           | 2993HP Barendrecht  | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SA Wouter van den Walestr 18   | 3274CR Heinenoord   | 92.333   | 426.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SB Oranjestraat 15             | 3274AK Heinenoord   | 92.215   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sB Smithaven 29                | 2993EC Barendrecht  | 93.708   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SC Heyne van Althenastraat 26  | 3274CD Heinenoord   | 92.476   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sC Steekkant 145               | 2993DB Barendrecht  | 94.071   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SD Martin Luther Kingstraat 48 | 3274CL Heinenoord   | 92.538   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sD Aalwater 3                  | 2993DD Barendrecht  | 93.957   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SE Willem de Zwijgerstraat 8   | 3274AL Heinenoord   | 92.161   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sE Zalmwater 153               | 2993DX Barendrecht  | 94.071   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SF John F. Kennedystraat 36    | 3274CG Heinenoord   | 92.809   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sF Vederhaven 17               | 2993EB Barendrecht  | 93.734   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SG Wouter van den Walestr 44   | 3274CS Heinenoord   | 92.362   | 426.956   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sG Swarttouwhaven 34           | 2993HP Barendrecht  | 93.503   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SH Wiardi Beckmanhof 12        | 3274CX Heinenoord   | 92.678   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sH Müllerhaven 76              | 2993EA Barendrecht  | 93.836   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SI Margrietstraat 14           | 3274AH Heinenoord   | 92.322   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sI Meeshaven 14                | 2993HN Barendrecht  | 93.628   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sJ Smithaven 20                | 2993EC Barendrecht  | 93.755   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SJ Prof. Teldersstraat 43      | 3274MC Heinenoord   | 92.877   | 427.033   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK De Laagjes 18               | 3274CB Heinenoord   | 92.492   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK Steekkant 123               | 2993DB Barendrecht  | 94.069   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SL Wouter van den Walestr 56   | 3274CS Heinenoord   | 92.364   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sL Steekkant 59                | 2993DB Barendrecht  | 93.954   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sM Steekkant 39                | 2993DB Barendrecht  | 93.956   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SM Zomerlandseweg 2            | 3274LX Heinenoord   | 92.961   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sN Müllerhaven 66              | 2993EA Barendrecht  | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SN Spuivelden 21               | 3274CM Heinenoord   | 92.578   | 426.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sO Steurwater 7                | 2993DE Barendrecht  | 93.941   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SO Koomansland 36              | 3274CJ Heinenoord   | 92.445   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SP John F. Kennedystraat 7     | 3274CG Heinenoord   | 92.402   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sP Steekkant 155               | 2993DB Barendrecht  | 94.065   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sQ Meeshaven 8                 | 2993HN Barendrecht  | 93.626   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                          | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                              |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| SO Hermannushof 24           | 3274CE Heinenoord  | 92.579   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sR Steekkant 27              | 2993DB Barendrecht | 93.957   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SR Kooimansland 11           | 3274CJ Heinenoord  | 92.465   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sS Aalwater 17               | 2993DD Barendrecht | 93.993   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SS Hermannushof 26           | 3274CE Heinenoord  | 92.580   | 426.727   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sT Steekkant 119             | 2993DB Barendrecht | 94.073   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ST Oosteinde 28              | 3274KC Heinenoord  | 92.662   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SU Irenestraat 21            | 3274AD Heinenoord  | 92.247   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sU Kröllerhaven 4            | 2993ED Barendrecht | 93.770   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sV Ruyshaven 9               | 2993HM Barendrecht | 93.582   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SV Bernhardstraat 12         | 3274AB Heinenoord  | 92.250   | 426.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SW Spuivelden 2              | 3274CM Heinenoord  | 92.560   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sW Spieringwater 6           | 2993DM Barendrecht | 94.126   | 428.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SX Emmastraat 26             | 3274AC Heinenoord  | 92.231   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sX Swarttouwhaven 28         | 2993HP Barendrecht | 93.495   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SY Rietwaard 1               | 3274MA Heinenoord  | 92.843   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sY Ruyshaven 11              | 2993HM Barendrecht | 93.583   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sZ Swarttouwhaven 66         | 2993HP Barendrecht | 93.499   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SZ John F. Kennedystraat 26  | 3274CG Heinenoord  | 92.782   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| T Blaaksedijk West 43        | 3274LD Heinenoord  | 93.856   | 425.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •T Achterzeedijk 1 a 46      | 2991SB Barendrecht | 97.131   | 427.584   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tA Van Hobokenhaven 65       | 2993HH Barendrecht | 93.457   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TA Prof. Teldersstraat 15    | 3274CZ Heinenoord  | 92.800   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TB Wouter van den Walestr 12 | 3274CR Heinenoord  | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tB Smithaven 31              | 2993EC Barendrecht | 93.708   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tC Steekkant 137             | 2993DB Barendrecht | 94.077   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TC Avenhil 24                | 3274CT Heinenoord  | 92.705   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tD Steekkant 105             | 2993DB Barendrecht | 94.068   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TD Prof. Teldersstraat 21    | 3274CZ Heinenoord  | 92.827   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TE De Laagjes 5              | 3274CA Heinenoord  | 92.458   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tE Zalmwater 133             | 2993DX Barendrecht | 94.137   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TF John F. Kennedystraat 57  | 3274CG Heinenoord  | 92.598   | 426.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tF Kröllerhaven 43           | 2993ED Barendrecht | 93.792   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tG Van Hobokenhaven 15       | 2993HH Barendrecht | 93.456   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TG Rietwaard 14              | 3274MA Heinenoord  | 92.807   | 426.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tH Steekkant 11              | 2993DB Barendrecht | 93.954   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TH Kooimansland 10           | 3274CJ Heinenoord  | 92.405   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TI Abraham Kuyperhof 7       | 3274CW Heinenoord  | 92.727   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ti Steekkant 67              | 2993DB Barendrecht | 93.965   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tJ Steekkant 52              | 2993DB Barendrecht | 94.092   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TJ Kalesland 4               | 3274CH Heinenoord  | 92.481   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tK Müllerhaven 82            | 2993EA Barendrecht | 93.826   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TK Oranjestraat 20           | 3274AK Heinenoord  | 92.181   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tL Müllerhaven 34            | 2993EA Barendrecht | 93.831   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TL Dreeshof 2                | 3274CC Heinenoord  | 92.574   | 426.985   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TM Hermannushof 16           | 3274CE Heinenoord  | 92.553   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tm Steekkant 31              | 2993DB Barendrecht | 93.964   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TN Wiardi Beckmanhof 14      | 3274CX Heinenoord  | 92.700   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tN Vederhaven 1              | 2993EB Barendrecht | 93.778   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TO Wiardi Beckmanhof 2       | 3274CX Heinenoord  | 92.661   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tO Müllerhaven 50            | 2993EA Barendrecht | 93.831   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tP Koedood 4                 | 2993AL Barendrecht | 93.802   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TP Beatrixstraat 17          | 3274AA Heinenoord  | 92.181   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tQ Smithaven 49              | 2993EC Barendrecht | 93.704   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TQ John F. Kennedystraat 37  | 3274CG Heinenoord  | 92.508   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tR Koedood 2 a               | 2993AL Barendrecht | 94.006   | 428.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TR Oranjestraat 11 A         | 3274AK Heinenoord  | 92.173   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TS Spuivelden 5              | 3274CM Heinenoord  | 92.530   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tS Kröllerhaven 6            | 2993ED Barendrecht | 93.761   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TT Prof. Teldersstraat 4     | 3274MC Heinenoord  | 92.831   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tT Smithaven 22              | 2993EC Barendrecht | 93.746   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TU Dorpsstraat 32            | 3274BD Heinenoord  | 92.203   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tU Steekkant 121             | 2993DB Barendrecht | 94.071   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.   | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|---|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|   |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| tV Steekkant 135 2993DB Barendrecht             |      | 94.077   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TV Prof. Teldersstraat 12 3274MC Heinenoord     |      | 92.831   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TW Marijkestraat 5 3274AJ Heinenoord            |      | 92.271   | 427.070   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tW Steekkant 113 2993DB Barendrecht             |      | 94.075   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tx Smithaven 55 2993EC Barendrecht              |      | 93.703   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TX Kalesland 9 3274CH Heinenoord                |      | 92.523   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TY Boerengorzen 11 3274CV Heinenoord            |      | 92.782   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tY Steekkant 56 2993DB Barendrecht              |      | 94.103   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TZ Irenestraat 18 3274AE Heinenoord             |      | 92.260   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tZ Smithaven 45 2993EC Barendrecht              |      | 93.705   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| U Blaaksedijk West 29 3274LD Heinenoord         |      | 94.052   | 425.609   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •U Achterzeedijk 1 a 47 2991SB Barendrecht      |      | 97.120   | 427.569   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uA Müllerhaven 16 2993EA Barendrecht            |      | 93.826   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UA Wouter van den Walestr 64 3274CS Heinenoord  |      | 92.365   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UB Avenhil 35 3274CT Heinenoord                 |      | 92.720   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ub Swarttouwhaven 68 2993HP Barendrecht         |      | 93.493   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UC Beatrixstraat 29 3274AA Heinenoord           |      | 92.191   | 427.069   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uC Steekkant 30 2993DB Barendrecht              |      | 94.029   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uD Steekkant 38 2993DB Barendrecht              |      | 94.054   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UD Wiardi Beckmanhof 3 3274CX Heinenoord        |      | 92.662   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UE Martin Luther Kingstraat 2 3274CK Heinenoord |      | 92.386   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uE Meeshaven 3 2993HN Barendrecht               |      | 93.651   | 428.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UF Rietwaard 7 3274MA Heinenoord                |      | 92.843   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uF Van Hobokenhaven 51 2993HH Barendrecht       |      | 93.455   | 428.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uG Steekkant 42 2993DB Barendrecht              |      | 94.065   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UG Dorpsstraat 9 3274BB Heinenoord              |      | 92.373   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UH Oranjestraat 13 3274AK Heinenoord            |      | 92.208   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uH Meeshaven 1 2993HN Barendrecht               |      | 93.651   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ul Steekkant 69 2993DB Barendrecht              |      | 93.960   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UI Avenhil 4 3274CT Heinenoord                  |      | 92.655   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UJ De Laagjes 15 3274CB Heinenoord              |      | 92.501   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uj Aalwater 22 2993DD Barendrecht               |      | 94.016   | 428.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UK Bernhardstraat 8 3274AB Heinenoord           |      | 92.239   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uK Steekkant 29 2993DB Barendrecht              |      | 93.955   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uL Steurwater 9 2993DE Barendrecht              |      | 93.942   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UL Margrietstraat 13 3274AH Heinenoord          |      | 92.291   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uM Smithaven 47 2993EC Barendrecht              |      | 93.705   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UM Irenestraat 15 3274AD Heinenoord             |      | 92.243   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uN Meeshaven 12 2993HN Barendrecht              |      | 93.630   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UN Rietwaard 26 3274MA Heinenoord               |      | 92.914   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uO Meeshaven 15 2993HN Barendrecht              |      | 93.659   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UO Avenhil 42 3274CT Heinenoord                 |      | 92.700   | 426.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uP Steekkant 117 2993DB Barendrecht             |      | 94.075   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UP Dreeshof 10 3274CC Heinenoord                |      | 92.575   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uQ Steekkant 36 2993DB Barendrecht              |      | 94.049   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UQ Oosteinde 20 3274KC Heinenoord               |      | 92.708   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uR Calandhaven 7 2993HL Barendrecht             |      | 93.527   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UR John F. Kennedystraat 69 3274CG Heinenoord   |      | 92.755   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| US De Laagjes 30 3274CB Heinenoord              |      | 92.527   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uS Calandhaven 5 2993HL Barendrecht             |      | 93.512   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UT Martin Luther Kingstraat 8 3274CK Heinenoord |      | 92.386   | 427.059   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uT Van Hobokenhaven 55 2993HH Barendrecht       |      | 93.452   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UU Wiardi Beckmanhof 16 3274CX Heinenoord       |      | 92.704   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uU Kröllerhaven 25 2993ED Barendrecht           |      | 93.859   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uV Kröllerhaven 8 2993ED Barendrecht            |      | 93.752   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UV Thorbeckehof 9 3274CP Heinenoord             |      | 92.605   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uW Van Hobokenhaven 31 2993HH Barendrecht       |      | 93.463   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UW Emmastraat 24 3274AC Heinenoord              |      | 92.298   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UX John F. Kennedystraat 71 3274CG Heinenoord   |      | 92.762   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uX Steekkant 125 2993DB Barendrecht             |      | 94.067   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UY Avenhil 7 3274CT Heinenoord                  |      | 92.633   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uY Steekkant 157 2993DB Barendrecht             |      | 94.067   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UZ Irenestraat 34 3274AE Heinenoord             |      | 92.302   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| uZ Steekkant 43 2993DB Barendrecht               |      | 93.961   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| V Blaaksedijk West 25 3274LD Heinenoord          |      | 94.076   | 425.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •V Achterzeedijk 1 a 48 2991SB Barendrecht       |      | 97.113   | 427.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vA Swarttouwhaven 22 2993HP Barendrecht          |      | 93.503   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VA Martin Luther Kingstraat 12 3274CK Heinenoord |      | 92.414   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vB Aalwater 6 2993DD Barendrecht                 |      | 93.964   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VB Buitenlanden 2 3274MB Heinenoord              |      | 92.916   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vC Steekkant 49 2993DB Barendrecht               |      | 93.961   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VC Abraham Kuyperhof 1 3274CW Heinenoord         |      | 92.728   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vD Steekkant 141 2993DB Barendrecht              |      | 94.075   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VD Kalesland 76 3274CH Heinenoord                |      | 92.592   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vE Meeshaven 6 2993HN Barendrecht                |      | 93.625   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VE Dreeshof 6 3274CC Heinenoord                  |      | 92.574   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VF John F. Kennedystraat 73 3274CG Heinenoord    |      | 92.768   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vF Meeshaven 10 2993HN Barendrecht               |      | 93.629   | 428.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VG Dreeshof 7 3274CC Heinenoord                  |      | 92.522   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vG Meeshaven 16 2993HN Barendrecht               |      | 93.629   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vH Müllerhaven 78 2993EA Barendrecht             |      | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VH Dorpsstraat 3 3274BB Heinenoord               |      | 92.434   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Steekkant 3 2993DB Barendrecht                |      | 93.966   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Beatrixstraat 46 3274AA Heinenoord            |      | 92.209   | 427.002   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VJ Oranjestraat 24 3274AK Heinenoord             |      | 92.194   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vJ Steekkant 8 2993DB Barendrecht                |      | 93.964   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vk Steekkant 65 2993DB Barendrecht               |      | 93.957   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VK Avenhil 21 3274CT Heinenoord                  |      | 92.710   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vL Müllerhaven 20 2993EA Barendrecht             |      | 93.833   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Irenestraat 42 3274AE Heinenoord              |      | 92.288   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vM Kröllerhaven 17 2993ED Barendrecht            |      | 93.860   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VM Irenestraat 5 3274AD Heinenoord               |      | 92.237   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vN Steurwater 3 2993DE Barendrecht               |      | 93.940   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VN Prof. Teldersstraat 53 3274MC Heinenoord      |      | 92.876   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vO Steekkant 97 2993DB Barendrecht               |      | 94.074   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VO Wouter van den Walestr 38 3274CS Heinenoord   |      | 92.346   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VP Martin Luther Kingstraat 22 3274CK Heinenoord |      | 92.445   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vP Vederhaven 9 2993EB Barendrecht               |      | 93.756   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vQ Müllerhaven 2 2993EA Barendrecht              |      | 93.828   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VQ Avenhil 33 3274CT Heinenoord                  |      | 92.732   | 426.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vR Vederhaven 19 2993EB Barendrecht              |      | 93.729   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VR Oosteinde 4 3274KC Heinenoord                 |      | 92.893   | 426.673   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VS Buitenlanden 3 3274MB Heinenoord              |      | 92.887   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vS Smithaven 41 2993EC Barendrecht               |      | 93.706   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VT Martin Luther Kingstraat 64 3274CL Heinenoord |      | 92.606   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vT Van Hobokenhaven 29 2993HH Barendrecht        |      | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VU Buitenlanden 15 3274MB Heinenoord             |      | 92.895   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vU Zalmwater 147 2993DX Barendrecht              |      | 94.092   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vV Swarttouwhaven 64 2993HP Barendrecht          |      | 93.502   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VV Rietwaard 8 3274MA Heinenoord                 |      | 92.813   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VW Martin Luther Kingstraat 42 3274CL Heinenoord |      | 92.520   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vW Aalwater 12 2993DD Barendrecht                |      | 93.979   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vX Kröllerhaven 55 2993ED Barendrecht            |      | 93.735   | 428.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VX De Laagjes 10 3274CB Heinenoord               |      | 92.458   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vY Meeshaven 13 2993HN Barendrecht               |      | 93.658   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VY Martin Luther Kingstraat 16 3274CK Heinenoord |      | 92.426   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vZ Meeshaven 11 2993HN Barendrecht               |      | 93.657   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VZ Wouter van den Walestr 78 3274CS Heinenoord   |      | 92.367   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| W Blaaksedijk West 30 3274LE Heinenoord          |      | 94.004   | 425.661   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •W Achterzeedijk 1 a 49 2991SB Barendrecht       |      | 97.104   | 427.610   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WA Marijkestraat 12 3274AJ Heinenoord            |      | 92.350   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wA Koedood 20 2993AL Barendrecht                 |      | 93.529   | 428.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WB Wouter van den Walestr 16 3274CR Heinenoord   |      | 92.329   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wB Zalmwater 145 2993DX Barendrecht              |      | 94.098   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WC Talmahof 10 3274CN Heinenoord                 |      | 92.490   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wC Zalmwater 149 2993DX Barendrecht              |      | 94.085   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| WD  | Beatrixstraat 27 3274AA Heinenoord            | 92.187   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wD  | Kröllerhaven 49 2993ED Barendrecht            | 93.762   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wE  | Zalmwater 135 2993DX Barendrecht              | 94.129   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WE  | Oosteinde 18 3274KC Heinenoord                | 92.748   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WF  | Spuivelden 11 3274CM Heinenoord               | 92.531   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wF  | Stekkant 26 2993DB Barendrecht                | 94.030   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WG  | Avenhil 17 3274CT Heinenoord                  | 92.662   | 426.946   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wG  | Stekkant 46 2993DB Barendrecht                | 94.076   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WH  | Oosteinde 33 3274KB Heinenoord                | 92.738   | 426.600   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wH  | Koedood 23 2993AL Barendrecht                 | 93.222   | 428.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WI  | Avenhil 39 3274CT Heinenoord                  | 92.738   | 426.874   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wI  | Meeshaven 17 2993HN Barendrecht               | 93.654   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wJ  | Swarttouwhaven 2 2993HP Barendrecht           | 93.657   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WJ  | Dorpsstraat 26 3274BD Heinenoord              | 92.222   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wK  | Stekkant 165 2993DB Barendrecht               | 94.079   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WK  | Prof. Teldersstraat 25 3274CZ Heinenoord      | 92.826   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wL  | Meeshaven 4 2993HN Barendrecht                | 93.626   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WL  | Koomansland 24 3274CJ Heinenoord              | 92.406   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wM  | Meeshaven 9 2993HN Barendrecht                | 93.656   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WM  | De Laagjes 1 3274CB Heinenoord                | 92.447   | 426.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WN  | Hermannushof 8 3274CE Heinenoord              | 92.529   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wN  | Vederhaven 5 2993EB Barendrecht               | 93.767   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wO  | Koedood 27 2993AL Barendrecht                 | 93.159   | 428.767   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WO  | Bernhardstraat 7 3274AB Heinenoord            | 92.203   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wP  | Swarttouwhaven 4 2993HP Barendrecht           | 93.643   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WP  | Andries Woutershof 4 3274CA Heinenoord        | 92.460   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WQ  | Bernhardstraat 18 3274AB Heinenoord           | 92.271   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wQ  | Swarttouwhaven 6 2993HP Barendrecht           | 93.629   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wR  | Kröllerhaven 10 2993ED Barendrecht            | 93.743   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WR  | Spuivelden 19 3274CM Heinenoord               | 92.579   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wS  | Smithaven 24 2993EC Barendrecht               | 93.737   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WS  | Kalesland 40 3274CH Heinenoord                | 92.544   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WT  | Irenestraat 24 3274AE Heinenoord              | 92.273   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wT  | Kröllerhaven 45 2993ED Barendrecht            | 93.780   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WU  | Kalesland 30 3274CH Heinenoord                | 92.530   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wU  | Smithaven 16 2993EC Barendrecht               | 93.773   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WV  | Kalesland 42 3274CH Heinenoord                | 92.549   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wV  | Stekkant 151 2993DB Barendrecht               | 94.065   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WW  | De Laagjes 36 3274CB Heinenoord               | 92.543   | 426.776   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wW  | Kröllerhaven 35 2993ED Barendrecht            | 93.828   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WX  | Martin Luther Kingstraat 28 3274CK Heinenoord | 92.472   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wX  | Stekkant 58 2993DB Barendrecht                | 94.109   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WY  | Prof. Teldersstraat 45 3274MC Heinenoord      | 92.877   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wY  | Ruyshaven 1 2993HM Barendrecht                | 93.578   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wZ  | Zalmwater 137 2993DX Barendrecht              | 94.123   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WZ  | Oranjestraat 28 3274AK Heinenoord             | 92.207   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| X   | Reedijk 4 3274KE Heinenoord                   | 93.702   | 425.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •X  | Achterzeedijk 1 a 50 2991SB Barendrecht       | 97.106   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XA  | John F. Kennedystraat 75 3274CG Heinenoord    | 92.771   | 426.980   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xA  | Müllerhaven 38 2993EA Barendrecht             | 93.833   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xB  | Stekkant 18 2993DB Barendrecht                | 93.990   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XB  | Thorbeckehof 7 3274CP Heinenoord              | 92.607   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xC  | Stekkant 21 2993DB Barendrecht                | 93.957   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XC  | Abraham Kuyperhof 13 3274CW Heinenoord        | 92.766   | 427.034   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xD  | Vederhaven 13 2993EB Barendrecht              | 93.745   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XD  | John F. Kennedystraat 51 3274CG Heinenoord    | 92.580   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xE  | Van Hobokenhaven 17 2993HH Barendrecht        | 93.456   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XE  | John F. Kennedystraat 17 3274CG Heinenoord    | 92.420   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xF  | Kabbelkant 12 2993DC Barendrecht              | 94.012   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XF  | Oranjestraat 21 3274AK Heinenoord             | 92.253   | 426.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xG  | Müllerhaven 14 2993EA Barendrecht             | 93.835   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XG  | Avenhil 38 3274CT Heinenoord                  | 92.732   | 426.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xH  | Stekkant 71 2993DB Barendrecht                | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| XH  | De Laagjes 14 3274CB Heinenoord               | 92.481   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XI  | Emmastraat 9 3274AC Heinenoord                | 92.245   | 426.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xI  | Swarttouwhaven 50 2993HP Barendrecht          | 93.505   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XJ  | Abraham Kuyperhof 4 3274CW Heinenoord         | 92.730   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xJ  | Koedood 29 3161GE Rhoon                       | 93.112   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xK  | Koedood 29 3161GE Rhoon                       | 93.114   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Boerengorzen 6 3274CV Heinenoord              | 92.750   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XL  | Kalesland 17 3274CH Heinenoord                | 92.555   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xL  | Weerkant 60 2993DA Barendrecht                | 94.325   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xM  | Spieringwater 1 2993DM Barendrecht            | 94.157   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XM  | Julianastraat 36 3274AG Heinenoord            | 92.162   | 427.014   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xN  | Weerkant 134 2993DA Barendrecht               | 94.227   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 92.215   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xO  | Harderwater 78 2993DW Barendrecht             | 94.304   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XO  | Talmahof 3 3274CN Heinenoord                  | 92.434   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 92.431   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xP  | Harderwater 76 2993DW Barendrecht             | 94.304   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 92.561   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xQ  | Weerkant 17 2993DA Barendrecht                | 94.232   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xR  | Kuikant 167 2993DV Barendrecht                | 94.338   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 92.318   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 92.203   | 426.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xS  | Weerkant 38 2993DA Barendrecht                | 94.314   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xT  | Weerkant 14 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XT  | Hermannushof 20 3274CE Heinenoord             | 92.582   | 426.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xU  | Weerkant 132 2993DA Barendrecht               | 94.225   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XU  | Kalesland 50 3274CH Heinenoord                | 92.564   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xV  | Weerkant 19 2993DA Barendrecht                | 94.226   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XV  | Buitelanden 6 3274MB Heinenoord               | 92.919   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XW  | Avenhil 1 3274CT Heinenoord                   | 92.669   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xW  | Harderwater 80 2993DW Barendrecht             | 94.304   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 92.309   | 427.061   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xX  | Weerkant 12 2993DA Barendrecht                | 94.311   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 92.764   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xY  | Zalmwater 115 2993DX Barendrecht              | 94.207   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 92.702   | 426.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xZ  | Weerkant 112 2993DA Barendrecht               | 94.229   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y   | Blaaksedijk West 35 3274LD Heinenoord         | 93.965   | 425.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 97.102   | 427.572   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yA  | Weerkant 76 2993DA Barendrecht                | 94.319   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 92.203   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yB  | Weerkant 100 2993DA Barendrecht               | 94.229   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 92.319   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YC  | De Laagjes 6 3274CB Heinenoord                | 92.446   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yC  | Weerkant 92 2993DA Barendrecht                | 94.225   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YD  | Rietwaard 16 3274MA Heinenoord                | 92.800   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yD  | Weerkant 6 2993DA Barendrecht                 | 94.321   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YE  | De Laagjes 3 3274CB Heinenoord                | 92.453   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yE  | Weerkant 46 2993DA Barendrecht                | 94.323   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yF  | Weerkant 18 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 92.765   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yG  | Weerkant 64 2993DA Barendrecht                | 94.312   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 92.335   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yH  | Weerkant 118 2993DA Barendrecht               | 94.231   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 92.333   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yl  | Harderwater 49 2993DW Barendrecht             | 94.275   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YI  | Avenhil 8 3274CT Heinenoord                   | 92.636   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yJ  | Weerkant 94 2993DA Barendrecht                | 94.227   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YJ  | Kalesland 66 3274CH Heinenoord                | 92.605   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yK  | Weerkant 1 2993DA Barendrecht                 | 94.255   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YK  | Kalesland 2 3274CH Heinenoord                 | 92.482   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Zalmwater 125 2993DX Barendrecht              | 94.176   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Koomansland 3 3274CJ Heinenoord               | 92.450   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 92.574   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yM  | Weerkant 114 2993DA Barendrecht               | 94.231   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yN  | Weerkant 20 2993DA Barendrecht                | 94.323   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 92.904   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yO  | Weerkant 138 2993DA Barendrecht               | 94.231   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 92.184   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YP  | Kalesland 60 3274CH Heinenoord                | 92.595   | 426.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yP  | Weerkant 48 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 94.169   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YQ  | Julianastraat 44 3274AG Heinenoord            | 92.152   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yR  | Weerkant 24 2993DA Barendrecht                | 94.324   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 92.712   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YS  | Rietwaard 19 3274MA Heinenoord                | 92.884   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yS  | Spieringwater 13 2993DM Barendrecht           | 94.160   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 92.335   | 426.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yT  | Weerkant 62 2993DA Barendrecht                | 94.322   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 92.315   | 427.060   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yU  | Weerkant 146 2993DA Barendrecht               | 94.231   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 92.730   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yV  | Weerkant 82 2993DA Barendrecht                | 94.315   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yW  | Spieringwater 9 2993DM Barendrecht            | 94.159   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 92.537   | 426.742   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 92.177   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yX  | Weerkant 136 2993DA Barendrecht               | 94.229   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yY  | Weerkant 158 2993DA Barendrecht               | 94.221   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 92.465   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 92.612   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 94.159   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 93.916   | 425.686   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 97.098   | 427.555   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zA  | Weerkant 86 2993DA Barendrecht                | 94.266   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 92.415   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zB  | Weerkant 32 2993DA Barendrecht                | 94.324   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 92.245   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zC  | Spieringwater 5 2993DM Barendrecht            | 94.158   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 92.809   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZD  | Kalesland 34 3274CH Heinenoord                | 92.530   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zD  | Weerkant 126 2993DA Barendrecht               | 94.223   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 92.663   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zE  | Weerkant 30 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zF  | Weerkant 104 2993DA Barendrecht               | 94.225   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 92.850   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zG  | Weerkant 70 2993DA Barendrecht                | 94.324   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 92.718   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 92.662   | 427.010   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zH  | Weerkant 10 2993DA Barendrecht                | 94.323   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 92.665   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zI  | Weerkant 33 2993DA Barendrecht                | 94.189   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zJ  | Weerkant 26 2993DA Barendrecht                | 94.325   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 92.211   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zK  | Weerkant 130 2993DA Barendrecht               | 94.223   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 92.239   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 92.365   | 426.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zL  | Weerkant 4 2993DA Barendrecht                 | 94.323   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 92.685   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zM  | Weerkant 68 2993DA Barendrecht                | 94.322   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zN  | Weerkant 96 2993DA Barendrecht                | 94.229   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 92.489   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zO  | Weerkant 34 2993DA Barendrecht                | 94.318   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 92.345   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zP  | Weerkant 31 2993DA Barendrecht                | 94.194   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZP  | Koelmansland 7 3274CJ Heinenoord              | 92.449   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zQ  | Weerkant 148 2993DA Barendrecht               | 94.229   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                          | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |     |
|------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|-----|
|                              |                    |          |           |     |       |        |                  |                       |                    | [m]                | [m] |
| ZQ Talmahof 5                | 3274CN Heinenoord  | 92.434   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZR Irenestraat 14            | 3274AE Heinenoord  | 92.259   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zR Weerkant 144              | 2993DA Barendrecht | 94.233   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zS Weerkant 116              | 2993DA Barendrecht | 94.232   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZS Oosteinde 26              | 3274KC Heinenoord  | 92.674   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZT John F. Kennedystraat 25  | 3274CG Heinenoord  | 92.447   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZT Spieringwater 11          | 2993DM Barendrecht | 94.159   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zU Weerkant 140              | 2993DA Barendrecht | 94.233   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZU Wouter van den Walestr 58 | 3274CS Heinenoord  | 92.352   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zV Weerkant 42               | 2993DA Barendrecht | 94.318   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZV Margrietstraat 16         | 3274AH Heinenoord  | 92.326   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZW Bernhardstraat 1 A        | 3274AB Heinenoord  | 92.195   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zW Weerkant 122              | 2993DA Barendrecht | 94.227   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zX Weerkant 168              | 2993DA Barendrecht | 94.149   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZX De Laagjes 13             | 3274CB Heinenoord  | 92.501   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZY Marijkestraat 3           | 3274AJ Heinenoord  | 92.262   | 427.071   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zY Weerkant 80               | 2993DA Barendrecht | 94.317   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZZ Wouter van den Walestr 46 | 3274CS Heinenoord  | 92.363   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zz Weerkant 106              | 2993DA Barendrecht | 94.224   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |

## Calculation Results

Shadow receptor

| No.                            | Name              | Shadow, expected values |                      |
|--------------------------------|-------------------|-------------------------|----------------------|
|                                |                   | Shadow hours            | per year<br>[h/year] |
| [A Kalesland 11                | 3274CH Heinenoord | 2:37                    |                      |
| [B Prof. Teldersstraat 39      | 3274MC Heinenoord | 5:54                    |                      |
| [C Bernhardstraat 1 C          | 3274AB Heinenoord | 0:48                    |                      |
| [D Wiardi Beckmanhof 17        | 3274CX Heinenoord | 3:44                    |                      |
| [E Abraham Kuyperhof 15        | 3274CW Heinenoord | 4:33                    |                      |
| [F Margrietstraat 4            | 3274AH Heinenoord | 1:08                    |                      |
| [G Wiardi Beckmanhof 6         | 3274CX Heinenoord | 3:20                    |                      |
| [H Rietwaard 9                 | 3274MA Heinenoord | 7:10                    |                      |
| [I Kalesland 20                | 3274CH Heinenoord | 2:18                    |                      |
| [J Rietwaard 11                | 3274MA Heinenoord | 7:24                    |                      |
| [K Buitelanden 14              | 3274MB Heinenoord | 7:58                    |                      |
| [L Abraham Kuyperhof 11        | 3274CW Heinenoord | 4:27                    |                      |
| [M John F. Kennedystraat 29    | 3274CG Heinenoord | 2:01                    |                      |
| [N Marijkestraat 19            | 3274AJ Heinenoord | 1:08                    |                      |
| [O Avenhil 41                  | 3274CT Heinenoord | 4:26                    |                      |
| [P Oosteinde 35                | 3274KB Heinenoord | 8:01                    |                      |
| [Q Martin Luther Kingstraat 26 | 3274CK Heinenoord | 1:49                    |                      |
| [R Oranjestraat 27             | 3274AK Heinenoord | 1:03                    |                      |
| [S John F. Kennedystraat 8     | 3274CG Heinenoord | 3:36                    |                      |
| [T Emmastraat 14               | 3274AC Heinenoord | 1:06                    |                      |
| [U Irenestraat 23              | 3274AD Heinenoord | 0:53                    |                      |
| [V Spuibedel 3                 | 3274CM Heinenoord | 2:36                    |                      |
| [W Beatrixstraat 42            | 3274AA Heinenoord | 0:48                    |                      |
| [X Buitelanden 7               | 3274MB Heinenoord | 7:59                    |                      |
| [Y Koomansland 38              | 3274CJ Heinenoord | 1:54                    |                      |
| [Z Kalesland 16                | 3274CH Heinenoord | 2:11                    |                      |
| \A Kalesland 8                 | 3274CH Heinenoord | 2:04                    |                      |
| \B Talmahof 1                  | 3274CN Heinenoord | 1:42                    |                      |
| \C Koomansland 17              | 3274CJ Heinenoord | 2:07                    |                      |
| \D Irenestraat 22              | 3274AE Heinenoord | 0:59                    |                      |
| \E John F. Kennedystraat 65    | 3274CG Heinenoord | 3:51                    |                      |
| \F Spuibedel 10                | 3274CM Heinenoord | 3:13                    |                      |
| \G Thorbeckehof 5              | 3274CP Heinenoord | 2:53                    |                      |
| \H Spuibedel 6                 | 3274CM Heinenoord | 3:04                    |                      |
| \I Prof. Teldersstraat 29      | 3274CZ Heinenoord | 5:35                    |                      |
| \J John F. Kennedystraat 45    | 3274CG Heinenoord | 2:19                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 4:15                    |                      |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 8:40                    |                      |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 4:09                    |                      |
| \N  | De Laagjes 11 3274CB Heinenoord               | 2:10                    |                      |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 2:12                    |                      |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 6:27                    |                      |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 0:54                    |                      |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 1:19                    |                      |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 6:00                    |                      |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 1:32                    |                      |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 6:35                    |                      |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 0:49                    |                      |
| \W  | Spuivelden 7 3274CM Heinenoord                | 2:34                    |                      |
| \X  | Avenhil 19 3274CT Heinenoord                  | 3:49                    |                      |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 3:16                    |                      |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 1:02                    |                      |
| ]A  | Buitenlanden 11 3274MB Heinenoord             | 7:32                    |                      |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 2:04                    |                      |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 5:28                    |                      |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 2:03                    |                      |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 4:31                    |                      |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 1:53                    |                      |
| ]G  | Buitenlanden 16 3274MB Heinenoord             | 7:45                    |                      |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 6:43                    |                      |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 11:12                   |                      |
| ]J  | Kalesland 44 3274CH Heinenoord                | 2:41                    |                      |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 4:28                    |                      |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 1:31                    |                      |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 10:39                   |                      |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 4:22                    |                      |
| ]O  | Buitenlanden 19 3274MB Heinenoord             | 7:04                    |                      |
| ]P  | Kalesland 14 3274CH Heinenoord                | 2:09                    |                      |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 2:35                    |                      |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 4:05                    |                      |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 4:36                    |                      |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 2:04                    |                      |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 1:59                    |                      |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 2:24                    |                      |
| ]W  | Kalesland 13 3274CH Heinenoord                | 2:35                    |                      |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 1:39                    |                      |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 2:41                    |                      |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 4:11                    |                      |
| ^A  | Kalesland 24 3274CH Heinenoord                | 2:20                    |                      |
| ^B  | Buitenlanden 5 3274MB Heinenoord              | 7:59                    |                      |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 1:46                    |                      |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 3:10                    |                      |
| ^E  | Kalesland 54 3274CH Heinenoord                | 2:52                    |                      |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 0:54                    |                      |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 1:20                    |                      |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 1:25                    |                      |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 4:48                    |                      |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 1:01                    |                      |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 1:24                    |                      |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 0:41                    |                      |
| ^M  | Kalesland 48 3274CH Heinenoord                | 2:43                    |                      |
| ^N  | Buitenlanden 9 3274MB Heinenoord              | 7:39                    |                      |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 3:20                    |                      |
| ^P  | Kalesland 74 3274CH Heinenoord                | 2:56                    |                      |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 6:24                    |                      |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 1:02                    |                      |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 2:08                    |                      |
| ^T  | Kalesland 15 3274CH Heinenoord                | 2:36                    |                      |
| ^U  | Buitenlanden 10 3274MB Heinenoord             | 8:24                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 3:13  |              |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 2:35  |              |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 7:29  |              |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 1:21  |              |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 4:28  |              |
| _A  | Kalesland 12 3274CH Heinenoord                | 2:04  |              |
| _B  | Hermannushof 18 3274CE Heinenoord             | 3:15  |              |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 0:43  |              |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 6:05  |              |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 1:06  |              |
| _F  | Emmastraat 18 3274AC Heinenoord               | 1:09  |              |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 4:38  |              |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 3:36  |              |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 5:29  |              |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 0:43  |              |
| _K  | Avenhil 26 3274CT Heinenoord                  | 4:23  |              |
| _L  | Spuivelden 4 3274CM Heinenoord                | 3:03  |              |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 1:20  |              |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 1:37  |              |
| _O  | Rietwaard 12 3274MA Heinenoord                | 6:10  |              |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 0:59  |              |
| _Q  | Kalesland 62 3274CH Heinenoord                | 3:03  |              |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 2:47  |              |
| _S  | Koimansland 20 3274CJ Heinenoord              | 1:36  |              |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 5:30  |              |
| _U  | Talmahof 12 3274CN Heinenoord                 | 1:59  |              |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 5:16  |              |
| _W  | Rietwaard 15 3274MA Heinenoord                | 7:57  |              |
| _X  | Oosteinde 43 3274KB Heinenoord                | 6:20  |              |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 2:07  |              |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 0:47  |              |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 6:34  |              |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 2:14  |              |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 2:35  |              |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 1:00  |              |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 2:34  |              |
| `F  | Irenestraat 32 3274AE Heinenoord              | 1:06  |              |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 1:45  |              |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 1:24  |              |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 6:10  |              |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 1:20  |              |
| `K  | De Laagjes 32 3274CB Heinenoord               | 2:43  |              |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 1:06  |              |
| `M  | Irenestraat 11 3274AD Heinenoord              | 0:55  |              |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 0:48  |              |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 5:15  |              |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 0:42  |              |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 1:18  |              |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 3:47  |              |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 4:54  |              |
| `T  | Emmastraat 36 3274AC Heinenoord               | 0:47  |              |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 0:55  |              |
| `V  | Spuivelden 27 3274CM Heinenoord               | 3:04  |              |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 0:49  |              |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord   | 1:24  |              |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord    | 3:41  |              |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord   | 1:25  |              |
| {A} | Weerkant 88 2993DA Barendrecht                | 0:00  |              |
| {B} | Weerkant 5 2993DA Barendrecht                 | 0:00  |              |
| {C} | Weerkant 72 2993DA Barendrecht                | 0:00  |              |
| {D} | Zalmwater 111 2993DX Barendrecht              | 0:00  |              |
| {E} | Weerkant 37 2993DA Barendrecht                | 0:00  |              |
| {F} | Weerkant 166 2993DA Barendrecht               | 0:00  |              |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name                                       | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| {G  | Weerkant 128 2993DA Barendrecht            | 0:00                                 |
| {H  | Weerkant 56 2993DA Barendrecht             | 0:00                                 |
| {I  | Weerkant 23 2993DA Barendrecht             | 0:00                                 |
| {J  | Weerkant 25 2993DA Barendrecht             | 0:00                                 |
| {K  | Weerkant 21 2993DA Barendrecht             | 0:00                                 |
| {L  | Weerkant 66 2993DA Barendrecht             | 0:00                                 |
| {M  | Weerkant 120 2993DA Barendrecht            | 0:00                                 |
| {N  | Zalmwater 121 2993DX Barendrecht           | 0:00                                 |
| {O  | Weerkant 22 2993DA Barendrecht             | 0:00                                 |
| {P  | Weerkant 162 2993DA Barendrecht            | 0:00                                 |
| {Q  | Zalmwater 123 2993DX Barendrecht           | 0:00                                 |
| {R  | Weerkant 54 2993DA Barendrecht             | 0:00                                 |
| {S  | Weerkant 44 2993DA Barendrecht             | 0:00                                 |
| {T  | Weerkant 108 2993DA Barendrecht            | 0:00                                 |
| {U  | Weerkant 8 2993DA Barendrecht              | 0:00                                 |
| {V  | Weerkant 150 2993DA Barendrecht            | 0:00                                 |
| {W  | Zalmwater 131 2993DX Barendrecht           | 0:00                                 |
| {X  | Weerkant 35 2993DA Barendrecht             | 0:00                                 |
| {Y  | Weerkant 28 2993DA Barendrecht             | 0:00                                 |
| {Z  | Weerkant 98 2993DA Barendrecht             | 0:00                                 |
| A   | Weerkant 124 2993DA Barendrecht            | 0:00                                 |
| B   | Weerkant 52 2993DA Barendrecht             | 0:00                                 |
| C   | Kuilkant 169 2993DV Barendrecht            | 0:00                                 |
| D   | Weerkant 36 2993DA Barendrecht             | 0:00                                 |
| E   | Weerkant 2 2993DA Barendrecht              | 0:00                                 |
| F   | Weerkant 27 2993DA Barendrecht             | 0:00                                 |
| G   | Weerkant 29 2993DA Barendrecht             | 0:00                                 |
| H   | Weerkant 90 2993DA Barendrecht             | 0:00                                 |
| I   | Weerkant 160 2993DA Barendrecht            | 0:00                                 |
| J   | Zalmwater 117 2993DX Barendrecht           | 0:00                                 |
| K   | Koedood 2 2993AL Barendrecht               | 0:00                                 |
| L   | Weerkant 11 2993DA Barendrecht             | 0:00                                 |
| M   | Weerkant 15 2993DA Barendrecht             | 0:00                                 |
| N   | Weerkant 16 2993DA Barendrecht             | 0:00                                 |
| O   | Weerkant 40 2993DA Barendrecht             | 0:00                                 |
| P   | Weerkant 74 2993DA Barendrecht             | 0:00                                 |
| Q   | Weerkant 78 2993DA Barendrecht             | 0:00                                 |
| R   | Weerkant 102 2993DA Barendrecht            | 0:00                                 |
| S   | Harderwater 51 2993DW Barendrecht          | 0:00                                 |
| T   | Zalmwater 119 2993DX Barendrecht           | 0:00                                 |
| U   | Zalmwater 129 2993DX Barendrecht           | 0:00                                 |
| V   | Weerkant 156 2993DA Barendrecht            | 0:00                                 |
| W   | Spieringwater 3 2993DM Barendrecht         | 0:00                                 |
| X   | Weerkant 7 2993DA Barendrecht              | 0:00                                 |
| Y   | Weerkant 13 2993DA Barendrecht             | 0:00                                 |
| Z   | Weerkant 3 2993DA Barendrecht              | 0:00                                 |
| )A  | Weerkant 9 2993DA Barendrecht              | 0:00                                 |
| )B  | Weerkant 110 2993DA Barendrecht            | 0:00                                 |
| )C  | Weerkant 142 2993DA Barendrecht            | 0:00                                 |
| )D  | Weerkant 154 2993DA Barendrecht            | 0:00                                 |
| )E  | Weerkant 164 2993DA Barendrecht            | 0:00                                 |
| )F  | Weerkant 152 2993DA Barendrecht            | 0:00                                 |
| )G  | Zalmwater 113 2993DX Barendrecht           | 0:00                                 |
| )H  | Weerkant 50 2993DA Barendrecht             | 0:00                                 |
| )I  | Weerkant 58 2993DA Barendrecht             | 0:00                                 |
| )J  | Kuipersveer 9 3274KH Heinenoord            | 2:28                                 |
| )K  | Kuipersveer 7 3274KH Heinenoord            | 2:03                                 |
| )L  | Kuipersveer 3 3274KH Heinenoord            | 0:27                                 |
| )M  | Kuipersveer 5 3274KH Heinenoord            | 0:34                                 |
| )N  | Kuipersveer 1 A 3274KH Heinenoord          | 0:05                                 |
| )O  | Ziedewijdsekade 14 2991VS Barendrecht      | 1:04                                 |
| )P  | 3e Barendrechtseweg 555 2991SH Barendrecht | 1:39                                 |
| )Q  | 3e Barendrechtseweg 454 2992SN Barendrecht | 1:29                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| )R  | Ziedewijdsekade 36 2991SE Barendrecht         | 1:44                    |                      |
| )S  | 3e Barendrechtseweg 545 2991SH Barendrecht    | 1:52                    |                      |
| )T  | Ziedewijdsekade 18 2991VS Barendrecht         | 2:04                    |                      |
| )U  | Ziedewijdsekade 72 2991SE Barendrecht         | 1:00                    |                      |
| )V  | Ziedewijdsekade 1 2991VS Barendrecht          | 0:44                    |                      |
| )W  | 3e Barendrechtseweg 541 2991SH Barendrecht    | 1:49                    |                      |
| )X  | Achterzeedijk 11 2991SB Barendrecht           | 1:46                    |                      |
| )Y  | Ziedewijdsekade 70 2991SE Barendrecht         | 0:56                    |                      |
| )Z  | Ziedewijdsekade 10 2991VS Barendrecht         | 0:33                    |                      |
| ~A  | 3e Barendrechtseweg 559 2991SH Barendrecht    | 1:40                    |                      |
| ~B  | Ziedewijdsekade 12 2991VS Barendrecht         | 0:24                    |                      |
| ~C  | Ziedewijdsekade 34 2991SE Barendrecht         | 2:11                    |                      |
| ~D  | Achterzeedijk 1 2991SB Barendrecht            | 3:53                    |                      |
| ~E  | Achterzeedijk 1 a 1 2991SB Barendrecht        | 1:18                    |                      |
| ~F  | Achterzeedijk 1 a 2 2991SB Barendrecht        | 1:21                    |                      |
| ~G  | Achterzeedijk 1 a 3 2991SB Barendrecht        | 1:25                    |                      |
| ~H  | Achterzeedijk 1 a 4 2991SB Barendrecht        | 1:29                    |                      |
| ~I  | Achterzeedijk 1 a 6 2991SB Barendrecht        | 1:25                    |                      |
| ~J  | Achterzeedijk 1 a 7 2991SB Barendrecht        | 1:29                    |                      |
| ~K  | Achterzeedijk 1 a 8 2991SB Barendrecht        | 1:34                    |                      |
| ~L  | Achterzeedijk 1 a 9 2991SB Barendrecht        | 1:25                    |                      |
| ~M  | Achterzeedijk 1 a 10 2991SB Barendrecht       | 1:27                    |                      |
| ~N  | Achterzeedijk 1 a 11 2991SB Barendrecht       | 1:31                    |                      |
| ~O  | Achterzeedijk 1 a 12 2991SB Barendrecht       | 1:38                    |                      |
| ~P  | Achterzeedijk 1 a 14 2991SB Barendrecht       | 1:31                    |                      |
| ~Q  | Achterzeedijk 1 a 16 2991SB Barendrecht       | 1:41                    |                      |
| ~R  | Achterzeedijk 1 a 17 2991SB Barendrecht       | 1:36                    |                      |
| ~S  | Achterzeedijk 1 a 18 2991SB Barendrecht       | 1:37                    |                      |
| ~T  | Achterzeedijk 1 a 19 2991SB Barendrecht       | 1:39                    |                      |
| ~U  | Achterzeedijk 1 a 20 2991SB Barendrecht       | 1:45                    |                      |
| ~V  | Achterzeedijk 1 a 21 2991SB Barendrecht       | 1:38                    |                      |
| ~W  | Achterzeedijk 1 a 22 2991SB Barendrecht       | 1:44                    |                      |
| ~X  | Achterzeedijk 1 a 23 2991SB Barendrecht       | 1:48                    |                      |
| ~Y  | Achterzeedijk 1 a 24 2991SB Barendrecht       | 1:53                    |                      |
| ~Z  | Achterzeedijk 1 a 26 2991SB Barendrecht       | 1:49                    |                      |
| ?AA | Achterzeedijk 1 a 53 2991SB Barendrecht       | 3:42                    |                      |
| ?BA | Achterzeedijk 1 a 54 2991SB Barendrecht       | 3:42                    |                      |
| ?CA | Achterzeedijk 1 a 55 2991SB Barendrecht       | 3:41                    |                      |
| ?DA | Achterzeedijk 1 a 56 2991SB Barendrecht       | 3:41                    |                      |
| ?EA | Achterzeedijk 1 a 13 2991SB Barendrecht       | 1:28                    |                      |
| ?FA | Achterzeedijk 1 a 15 2991SB Barendrecht       | 1:37                    |                      |
| ?GA | Achterzeedijk 1 a 25 2991SB Barendrecht       | 1:48                    |                      |
| ?HA | Achterzeedijk 1 a 5 2991SB Barendrecht        | 1:20                    |                      |
| ?IK | Kuipersveer 15 3274KH Heinenoord              | 1:41                    |                      |
| ?JK | Kuipersveer 31 3274KH Heinenoord              | 2:14                    |                      |
| ?KK | Kuipersveer 15 A 3274KH Heinenoord            | 1:45                    |                      |
| ?LK | Kuipersveer 23 3274KH Heinenoord              | 2:01                    |                      |
| ?MK | Kuipersveer 13 3274KH Heinenoord              | 1:41                    |                      |
| ?NK | Kuipersveer 15 D 3274KH Heinenoord            | 1:53                    |                      |
| ?OK | Kuipersveer 19 3274KH Heinenoord              | 1:58                    |                      |
| ?PK | Kuipersveer 25 3274KH Heinenoord              | 2:04                    |                      |
| ?QK | Kuipersveer 21 3274KH Heinenoord              | 2:00                    |                      |
| ?RK | Kuipersveer 35 3274KH Heinenoord              | 2:03                    |                      |
| ?SK | Kuipersveer 15 C 3274KH Heinenoord            | 1:49                    |                      |
| ?TK | Kuipersveer 17 3274KH Heinenoord              | 1:58                    |                      |
| A   | Blaaksedijk West 28 3274LE Heinenoord         | 0:00                    |                      |
| •A  | Achterzeedijk 1 a 27 2991SB Barendrecht       | 1:54                    |                      |
| AA  | Blaaksedijk West 26 3274LE Heinenoord         | 0:00                    |                      |
| aA  | Martin Luther Kingstraat 44 3274CL Heinenoord | 2:07                    |                      |
| AB  | Doormanstraat 15 3274LK Heinenoord            | 0:00                    |                      |
| aB  | Rietwaard 22 3274MA Heinenoord                | 8:54                    |                      |
| aC  | Kalesland 68 3274CH Heinenoord                | 3:03                    |                      |
| AC  | Mollekade 11 3274LN Heinenoord                | 0:11                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

Opstelling 2c

Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 23:32/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values              |  |
|-----|---|--------------------------------------|--|
|     |   | Shadow hours<br>per year<br>[h/year] |  |
| aD  | Hermannushof 12 3274CE Heinenoord             | 3:03                                 |  |
| AD  | Boonsweg 55 3274LH Heinenoord                 | 0:00                                 |  |
| AE  | Dormanstraat 19 3274LK Heinenoord             | 0:00                                 |  |
| aE  | De Laagjes 24 3274CB Heinenoord               | 2:29                                 |  |
| AF  | Dormanstraat 35 3274LK Heinenoord             | 0:00                                 |  |
| aF  | Wouter van den Walestr 42 3274CS Heinenoord   | 1:23                                 |  |
| aG  | Avenhil 29 3274CT Heinenoord                  | 4:38                                 |  |
| AG  | Dormanstraat 12 3274LK Heinenoord             | 0:00                                 |  |
| aH  | Beatrixstraat 50 3274AA Heinenoord            | 0:48                                 |  |
| AH  | Mollekade 24 A 3274LP Heinenoord              | 0:00                                 |  |
| AI  | Dormanstraat 21 3274LK Heinenoord             | 0:00                                 |  |
| aI  | Martin Luther Kingstraat 38 3274CL Heinenoord | 2:02                                 |  |
| aJ  | Koimansland 34 3274CJ Heinenoord              | 1:54                                 |  |
| AJ  | de Ruyterstraat 6 B 3274LJ Heinenoord         | 0:00                                 |  |
| aK  | Martin Luther Kingstraat 20 3274CK Heinenoord | 1:39                                 |  |
| AK  | Trompstraat 20 3274LT Heinenoord              | 0:00                                 |  |
| aL  | Spuivelden 1 3274CM Heinenoord                | 2:37                                 |  |
| AL  | van Galenstraat 11 3274LV Heinenoord          | 0:00                                 |  |
| aM  | Oranjestraat 22 3274AK Heinenoord             | 0:45                                 |  |
| AM  | Gorzenweg 2 3274LL Heinenoord                 | 0:00                                 |  |
| AN  | Mollekade 17 3274LN Heinenoord                | 1:02                                 |  |
| aN  | Koimansland 15 3274CJ Heinenoord              | 2:04                                 |  |
| aO  | De Laagjes 34 3274CB Heinenoord               | 2:45                                 |  |
| AO  | Mollekade 21 3274LN Heinenoord                | 0:49                                 |  |
| AP  | de Ruyterstraat 10 3274LJ Heinenoord          | 0:00                                 |  |
| aP  | Boerengorzen 12 3274CV Heinenoord             | 4:50                                 |  |
| aQ  | Hermannushof 22 3274CE Heinenoord             | 3:31                                 |  |
| AQ  | Mollekade 3 A 3274LN Heinenoord               | 0:00                                 |  |
| aR  | Prof. Teldersstraat 17 3274CZ Heinenoord      | 4:59                                 |  |
| AR  | Dormanstraat 31 3274LK Heinenoord             | 0:00                                 |  |
| AS  | Gorzenweg 1 A 3274LL Heinenoord               | 0:00                                 |  |
| aS  | Avenhil 31 3274CT Heinenoord                  | 4:38                                 |  |
| AT  | de Ruyterstraat 4 A 3274LJ Heinenoord         | 0:00                                 |  |
| aT  | Martin Luther Kingstraat 4 3274CK Heinenoord  | 1:24                                 |  |
| aU  | Emmastraat 5 3274AC Heinenoord                | 0:55                                 |  |
| AU  | de Ruyterstraat 6 A 3274LJ Heinenoord         | 0:00                                 |  |
| aV  | Prof. Teldersstraat 33 3274MC Heinenoord      | 6:05                                 |  |
| AV  | Mollekade 13 A 3274LN Heinenoord              | 0:39                                 |  |
| aW  | Abraham Kuyperhof 6 3274CW Heinenoord         | 3:53                                 |  |
| AW  | Blaaksedijk West 15 3274LD Heinenoord         | 0:00                                 |  |
| aX  | Prof. Teldersstraat 9 3274CZ Heinenoord       | 5:09                                 |  |
| AX  | Dormanstraat 25 3274LK Heinenoord             | 0:00                                 |  |
| AY  | Blaaksedijk West 16 A 3274LE Heinenoord       | 0:00                                 |  |
| aY  | Andries Woutershof 6 3274CA Heinenoord        | 2:16                                 |  |
| AZ  | Gorzenweg 1 3274LL Heinenoord                 | 0:00                                 |  |
| aZ  | Beatrixstraat 25 3274AA Heinenoord            | 0:44                                 |  |
| B   | Blaaksedijk West 49 3274LD Heinenoord         | 0:32                                 |  |
| •B  | Achterzeedijk 1 a 28 2991SB Barendrecht       | 1:58                                 |  |
| bA  | Koimansland 9 3274CJ Heinenoord               | 1:53                                 |  |
| BA  | Nijverheidsweg 32 3274KJ Heinenoord           | 0:00                                 |  |
| BB  | Blaaksedijk West 19 3274LD Heinenoord         | 0:00                                 |  |
| bB  | Avenhil 22 3274CT Heinenoord                  | 4:10                                 |  |
| BC  | Mollekade 15 3274LN Heinenoord                | 0:44                                 |  |
| bC  | John F. Kennedystraat 87 3274CG Heinenoord    | 6:40                                 |  |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord    | 5:33                                 |  |
| BD  | Trompstraat 10 3274LT Heinenoord              | 0:00                                 |  |
| BE  | Mollekade 27 3274LN Heinenoord                | 0:46                                 |  |
| bE  | Irenestraat 17 3274AD Heinenoord              | 0:54                                 |  |
| BF  | Blaaksedijk West 21 3274LD Heinenoord         | 0:00                                 |  |
| bF  | Spuivelden 23 3274CM Heinenoord               | 3:05                                 |  |
| bG  | Kalesland 36 3274CH Heinenoord                | 2:29                                 |  |
| BG  | Piet Heinstraat 1 3274LR Heinenoord           | 0:00                                 |  |
| bH  | Koimansland 4 3274CJ Heinenoord               | 1:38                                 |  |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name                                       | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
|     | BH Mollekade 1 3274LN Heinenoord           | 0:00                                 |
|     | BI de Ruyterstraat 15 3274LJ Heinenoord    | 0:00                                 |
| bI  | Jan de Rooystraat 1 3274NA Heinenoord      | 3:43                                 |
| bJ  | Jan de Rooystraat 3 3274NA Heinenoord      | 3:46                                 |
| BJ  | Blaaksedijk West 14 3274LE Heinenoord      | 0:00                                 |
| bK  | Jan de Rooystraat 5 3274NA Heinenoord      | 3:46                                 |
| BK  | Mollekade 8 3274LP Heinenoord              | 0:00                                 |
| BL  | de Ruyterstraat 2 B 3274LJ Heinenoord      | 0:00                                 |
| bL  | Jan de Rooystraat 7 3274NA Heinenoord      | 3:54                                 |
| BM  | van Galenstraat 4 3274LV Heinenoord        | 0:00                                 |
| bM  | Jan de Rooystraat 9 3274NA Heinenoord      | 3:57                                 |
| BN  | Mollekade 23 A 3274LN Heinenoord           | 0:45                                 |
| bN  | Jan de Rooystraat 11 3274NA Heinenoord     | 3:58                                 |
| BO  | Blaaksedijk West 20 3274LE Heinenoord      | 0:00                                 |
| bO  | Jan de Rooystraat 13 3274NA Heinenoord     | 4:03                                 |
| bP  | Jan de Rooystraat 2 3274NA Heinenoord      | 4:09                                 |
| BP  | Doormanstraat 45 3274LK Heinenoord         | 0:00                                 |
| BQ  | de Ruyterstraat 4 B 3274LJ Heinenoord      | 0:00                                 |
| bQ  | Jan de Rooystraat 4 3274NA Heinenoord      | 4:10                                 |
| BR  | Nijverheidsweg 7 3274KJ Heinenoord         | 0:00                                 |
| bR  | Jan de Rooystraat 6 3274NA Heinenoord      | 4:15                                 |
| bS  | Jan de Rooystraat 8 3274NA Heinenoord      | 4:25                                 |
| BS  | Gorzenweg 9 3274LL Heinenoord              | 0:00                                 |
| bT  | Jan de Rooystraat 10 3274NA Heinenoord     | 4:28                                 |
| BT  | Mollekade 9 3274LN Heinenoord              | 0:01                                 |
| BU  | de Ruyterstraat 14 3274LJ Heinenoord       | 0:00                                 |
| bU  | Jan de Rooystraat 12 3274NA Heinenoord     | 4:30                                 |
| BV  | Boonsweg 69 3274LH Heinenoord              | 0:00                                 |
| bV  | Jan de Rooystraat 14 3274NA Heinenoord     | 4:31                                 |
| BW  | Boonsweg 65 3274LH Heinenoord              | 0:00                                 |
| bW  | Jan de Rooystraat 16 3274NA Heinenoord     | 4:38                                 |
| BX  | Trompstraat 14 3274LT Heinenoord           | 0:00                                 |
| bX  | Arie Jongekrijgstraat 1 3274NB Heinenoord  | 4:35                                 |
| BY  | Blaaksedijk West 18 3274LE Heinenoord      | 0:00                                 |
| bY  | Arie Jongekrijgstraat 3 3274NB Heinenoord  | 4:42                                 |
| BZ  | van Galenstraat 7 3274LV Heinenoord        | 0:00                                 |
| bZ  | Arie Jongekrijgstraat 5 3274NB Heinenoord  | 4:47                                 |
| C   | Blaaksedijk West 34 3274LE Heinenoord      | 0:00                                 |
| •C  | Achterdijk 1 a 29 2991SB Barendrecht       | 1:53                                 |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord | 5:18                                 |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord       | 0:00                                 |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord | 5:39                                 |
| CB  | Trompstraat 16 3274LT Heinenoord           | 0:00                                 |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord | 6:11                                 |
| CC  | Blaaksedijk West 12 3274LE Heinenoord      | 0:00                                 |
| CD  | Boonsweg 14 3274LH Heinenoord              | 0:00                                 |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord | 6:34                                 |
| CE  | Mollekade 10 3274LP Heinenoord             | 0:00                                 |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord | 6:59                                 |
| CF  | Gorzenweg 5 3274LL Heinenoord              | 0:00                                 |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord | 7:35                                 |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord  | 5:02                                 |
| CG  | van Galenstraat 14 3274LV Heinenoord       | 0:00                                 |
| CH  | Trompstraat 22 3274LT Heinenoord           | 0:00                                 |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord  | 5:07                                 |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord  | 5:08                                 |
| CI  | van Galenstraat 2 3274LV Heinenoord        | 0:00                                 |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord  | 5:12                                 |
| CJ  | Mollekade 13 3274LN Heinenoord             | 0:18                                 |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord | 5:25                                 |
| CK  | Doormanstraat 37 3274LK Heinenoord         | 0:00                                 |
| CL  | Arie Jongekrijgstraat 12 3274NB Heinenoord | 5:26                                 |
| CL  | van Galenstraat 12 3274LV Heinenoord       | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                           | Name               | Shadow, expected values |                      |
|-------------------------------|--------------------|-------------------------|----------------------|
|                               |                    | Shadow hours            | per year<br>[h/year] |
| cM Arie Jongekrijgstraat 14   | 3274NB Heinenoord  | 5:29                    |                      |
| CM Boonsweg 12                | 3274LH Heinenoord  | 0:00                    |                      |
| CN Piet Heinstraat 2          | 3274LR Heinenoord  | 0:00                    |                      |
| cN Arie Jongekrijgstraat 16   | 3274NB Heinenoord  | 5:30                    |                      |
| cO Arie Jongekrijgstraat 18   | 3274NB Heinenoord  | 5:34                    |                      |
| CO Doormanstraat 33           | 3274LK Heinenoord  | 0:00                    |                      |
| CP Piet Heinstraat 3          | 3274LR Heinenoord  | 0:00                    |                      |
| cP Arie Jongekrijgstraat 20   | 3274NB Heinenoord  | 5:37                    |                      |
| cQ Opper Van Treurenstraat 2  | 3274ND Heinenoord  | 6:04                    |                      |
| CQ van Galenstraat 16         | 3274LV Heinenoord  | 0:00                    |                      |
| CR Gorzenweg 7                | 3274LL Heinenoord  | 0:00                    |                      |
| cR Opper Van Treurenstraat 4  | 3274ND Heinenoord  | 6:07                    |                      |
| CS Doormanstraat 27           | 3274LK Heinenoord  | 0:00                    |                      |
| cS Opper Van Treurenstraat 6  | 3274ND Heinenoord  | 6:10                    |                      |
| CT de Ruyterstraat 19         | 3274LJ Heinenoord  | 0:00                    |                      |
| cT Opper Van Treurenstraat 8  | 3274ND Heinenoord  | 6:14                    |                      |
| cU Opper Van Treurenstraat 10 | 3274ND Heinenoord  | 6:15                    |                      |
| CU Trompstraat 12             | 3274LT Heinenoord  | 0:00                    |                      |
| CV Nijverheidsweg 47          | 3274KJ Heinenoord  | 0:00                    |                      |
| cV Opper Van Treurenstraat 12 | 3274ND Heinenoord  | 6:18                    |                      |
| CW Doormanstraat 39           | 3274LK Heinenoord  | 0:00                    |                      |
| cW Opper Van Treurenstraat 14 | 3274ND Heinenoord  | 6:20                    |                      |
| cX Opper Van Treurenstraat 16 | 3274ND Heinenoord  | 6:22                    |                      |
| CX Boonsweg 6                 | 3274LH Heinenoord  | 0:00                    |                      |
| CY Piet Heinstraat 9          | 3274LR Heinenoord  | 0:00                    |                      |
| cY Opper Van Treurenstraat 18 | 3274ND Heinenoord  | 6:26                    |                      |
| cZ Opper Van Treurenstraat 20 | 3274ND Heinenoord  | 6:26                    |                      |
| CZ Nijverheidsweg 8           | 3274KJ Heinenoord  | 0:00                    |                      |
| D Blaaksedijk West 41         | 3274LD Heinenoord  | 0:00                    |                      |
| •D Achtereedijk 1 a 30        | 2991SB Barendrecht | 1:58                    |                      |
| dA Opper Van Treurenstraat 22 | 3274ND Heinenoord  | 6:30                    |                      |
| DA Boonsweg 4                 | 3274LH Heinenoord  | 0:00                    |                      |
| dB Opper Van Treurenstraat 24 | 3274ND Heinenoord  | 6:31                    |                      |
| DB de Ruyterstraat 2 A        | 3274LJ Heinenoord  | 0:00                    |                      |
| dC Opper Van Treurenstraat 26 | 3274ND Heinenoord  | 6:37                    |                      |
| DC van Galenstraat 1          | 3274LV Heinenoord  | 0:00                    |                      |
| DD Mollekade 7                | 3274LN Heinenoord  | 0:00                    |                      |
| dD Opper Van Treurenstraat 28 | 3274ND Heinenoord  | 6:37                    |                      |
| DE Mollekade 4                | 3274LP Heinenoord  | 0:00                    |                      |
| dE Opper Van Treurenstraat 30 | 3274ND Heinenoord  | 6:40                    |                      |
| DF Mollekade 2                | 3274LP Heinenoord  | 0:00                    |                      |
| dF Opper Van Treurenstraat 32 | 3274ND Heinenoord  | 6:41                    |                      |
| dG Opper Van Treurenstraat 34 | 3274ND Heinenoord  | 7:03                    |                      |
| DG van Galenstraat 28         | 3274LV Heinenoord  | 0:00                    |                      |
| DH Mollekade 6                | 3274LP Heinenoord  | 0:00                    |                      |
| dH Opper Van Treurenstraat 36 | 3274ND Heinenoord  | 7:07                    |                      |
| dI Opper Van Treurenstraat 38 | 3274ND Heinenoord  | 7:12                    |                      |
| DI Mollekade 26 C             | 3274LP Heinenoord  | 0:57                    |                      |
| DJ Mollekade 26 A             | 3274LP Heinenoord  | 1:18                    |                      |
| dJ Opper Van Treurenstraat 40 | 3274ND Heinenoord  | 7:15                    |                      |
| DK Nijverheidsweg 36          | 3274KJ Heinenoord  | 0:00                    |                      |
| dk Opper Van Treurenstraat 42 | 3274ND Heinenoord  | 7:19                    |                      |
| DL Doormanstraat 18           | 3274LK Heinenoord  | 0:00                    |                      |
| dL Opper Van Treurenstraat 44 | 3274ND Heinenoord  | 7:28                    |                      |
| dM Opper Van Treurenstraat 46 | 3274ND Heinenoord  | 7:31                    |                      |
| DM de Ruyterstraat 9          | 3274LJ Heinenoord  | 0:00                    |                      |
| DN van Galenstraat 20         | 3274LV Heinenoord  | 0:00                    |                      |
| dN Opper Van Treurenstraat 48 | 3274ND Heinenoord  | 7:36                    |                      |
| DO Mollekade 5                | 3274LN Heinenoord  | 0:00                    |                      |
| dO Opper Van Treurenstraat 50 | 3274ND Heinenoord  | 7:44                    |                      |
| DP Mollekade 25               | 3274LN Heinenoord  | 0:43                    |                      |
| dP Opper Van Treurenstraat 52 | 3274ND Heinenoord  | 7:52                    |                      |
| DQ Blaaksedijk West 17        | 3274LD Heinenoord  | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 7:59                    |                      |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 0:00                    |                      |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 8:16                    |                      |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 9:09                    |                      |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 0:00                    |                      |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 9:17                    |                      |
| DT  | Mollekade 19 3274LN Heinenoord               | 1:06                    |                      |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 9:20                    |                      |
| DU  | Trompstraat 6 3274LT Heinenoord              | 0:00                    |                      |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 9:19                    |                      |
| DV  | Trompstraat 24 3274LT Heinenoord             | 0:00                    |                      |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 0:00                    |                      |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 9:14                    |                      |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 0:00                    |                      |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 9:17                    |                      |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 0:00                    |                      |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 5:35                    |                      |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 5:40                    |                      |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 0:00                    |                      |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 0:00                    |                      |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 2:04                    |                      |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 5:41                    |                      |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 0:00                    |                      |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 5:43                    |                      |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 0:00                    |                      |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 0:00                    |                      |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 5:48                    |                      |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 0:00                    |                      |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 5:49                    |                      |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 5:53                    |                      |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 0:00                    |                      |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 5:53                    |                      |
| EF  | Mollekade 26 3274LP Heinenoord               | 0:25                    |                      |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 6:11                    |                      |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 0:00                    |                      |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 6:14                    |                      |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 0:00                    |                      |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 6:19                    |                      |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 0:00                    |                      |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 0:00                    |                      |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 6:20                    |                      |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 0:00                    |                      |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 6:23                    |                      |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 6:30                    |                      |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 0:00                    |                      |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 8:29                    |                      |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 0:00                    |                      |
| EN  | Trompstraat 8 3274LT Heinenoord              | 0:00                    |                      |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 8:07                    |                      |
| EO  | Trompstraat 4 3274LT Heinenoord              | 0:00                    |                      |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 7:36                    |                      |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 0:00                    |                      |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 6:55                    |                      |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 6:18                    |                      |
| EQ  | van Galenstraat 13 3274LV Heinenoord         | 0:00                    |                      |
| eR  | Engel de Raatpad 12 3274NC Heinenoord        | 6:01                    |                      |
| ER  | Mollekade 12 3274LP Heinenoord               | 0:00                    |                      |
| eS  | Engel de Raatpad 14 3274NC Heinenoord        | 5:31                    |                      |
| ES  | van Galenstraat 22 3274LV Heinenoord         | 0:00                    |                      |
| ET  | Doormanstraat 29 3274LK Heinenoord           | 0:00                    |                      |
| eT  | Jan van Vlietstraat 1 3274NE Heinenoord      | 7:06                    |                      |
| eU  | Jan van Vlietstraat 3 3274NE Heinenoord      | 7:13                    |                      |
| EU  | Doormanstraat 17 3274LK Heinenoord           | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values |
|-----|---|-------------------------|
|     |   | Shadow hours            |
|     |   | per year<br>[h/year]    |
| eV  | Jan van Vlietstraat 5 3274NE Heinenoord     | 7:25                    |
| EV  | Doormanstraat 10 3274LK Heinenoord          | 0:00                    |
| eW  | Jan van Vlietstraat 7 3274NE Heinenoord     | 7:35                    |
| EW  | Doormanstraat 14 3274LK Heinenoord          | 0:00                    |
| EX  | Trompstraat 18 3274LT Heinenoord            | 0:00                    |
| eX  | Jan van Vlietstraat 9 3274NE Heinenoord     | 7:48                    |
| EY  | van Galenstraat 8 3274LV Heinenoord         | 0:00                    |
| eY  | Jan van Vlietstraat 19 3274NE Heinenoord    | 10:12                   |
| eZ  | Jan van Vlietstraat 21 3274NE Heinenoord    | 10:03                   |
| EZ  | de Ruyterstraat 5 3274LJ Heinenoord         | 0:00                    |
| F   | Blaaksedijk West 55 3274LD Heinenoord       | 0:19                    |
| •F  | Achterzeedijk 1 a 32 2991SB Barendrecht     | 2:09                    |
| FA  | Trompstraat 26 3274LT Heinenoord            | 0:00                    |
| fA  | Jan van Vlietstraat 23 3274NE Heinenoord    | 10:02                   |
| FB  | van Galenstraat 24 3274LV Heinenoord        | 0:00                    |
| fb  | Jan van Vlietstraat 25 3274NE Heinenoord    | 9:55                    |
| FC  | van Galenstraat 3 3274LV Heinenoord         | 0:00                    |
| fC  | Jan van Vlietstraat 27 3274NE Heinenoord    | 9:49                    |
| fD  | Jan van Vlietstraat 29 3274NE Heinenoord    | 9:40                    |
| FD  | Piet Heinstraat 6 3274LR Heinenoord         | 0:00                    |
| FE  | Wouter van den Walestr 11 3274CR Heinenoord | 1:41                    |
| FE  | de Ruyterstraat 13 3274LJ Heinenoord        | 0:00                    |
| FF  | Mollekade 7 A 3274LN Heinenoord             | 0:00                    |
| ff  | Wouter van den Walestr 13 3274CR Heinenoord | 1:41                    |
| fG  | Wouter van den Walestr 15 3274CR Heinenoord | 1:42                    |
| FG  | Blaaksedijk West 16 3274LE Heinenoord       | 0:00                    |
| fH  | Wouter van den Walestr 17 3274CR Heinenoord | 1:41                    |
| FH  | Oosteinde 5 3274KB Heinenoord               | 5:10                    |
| fl  | Wouter van den Walestr 19 3274CR Heinenoord | 1:42                    |
| FI  | Oosteinde 11 3274KB Heinenoord              | 6:00                    |
| FJ  | Oosteinde 1 3274KB Heinenoord               | 2:47                    |
| fj  | Wouter van den Walestr 21 3274CR Heinenoord | 1:41                    |
| FK  | Oosteinde 3 3274KB Heinenoord               | 4:55                    |
| fK  | Wouter van den Walestr 23 3274CR Heinenoord | 1:43                    |
| FL  | Oud-Heinenoordseweg 9 3274KD Heinenoord     | 5:32                    |
| fl  | Wouter van den Walestr 25 3274CR Heinenoord | 1:42                    |
| fM  | Wouter van den Walestr 27 3274CR Heinenoord | 1:43                    |
| FM  | Oud-Heinenoordseweg 3 3274KD Heinenoord     | 6:49                    |
| FN  | Oosteinde 13 3274KB Heinenoord              | 5:55                    |
| fn  | Wouter van den Walestr 29 3274CR Heinenoord | 1:42                    |
| fO  | Wouter van den Walestr 31 3274CR Heinenoord | 1:43                    |
| FO  | Oosteinde 7 3274KB Heinenoord               | 5:39                    |
| fP  | Wouter van den Walestr 33 3274CR Heinenoord | 1:42                    |
| FP  | Oosteinde 27 3274KB Heinenoord              | 6:43                    |
| fQ  | Wouter van den Walestr 35 3274CR Heinenoord | 1:44                    |
| FQ  | Oud-Heinenoordseweg 8 3274KD Heinenoord     | 2:25                    |
| FR  | Oosteinde 25 3274KB Heinenoord              | 6:18                    |
| fr  | Wouter van den Walestr 37 3274CR Heinenoord | 1:43                    |
| FS  | Oud-Heinenoordseweg 10 3274KD Heinenoord    | 0:12                    |
| fs  | Wouter van den Walestr 39 3274CR Heinenoord | 1:44                    |
| FT  | Wouter van den Walestr 41 3274CR Heinenoord | 1:44                    |
| FT  | Oud-Heinenoordseweg 7 3274KD Heinenoord     | 6:18                    |
| fU  | Wouter van den Walestr 43 3274CR Heinenoord | 1:45                    |
| FU  | Oud-Heinenoordseweg 1 3274KD Heinenoord     | 6:45                    |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord | 1:44                    |
| FV  | Oosteinde 19 3274KB Heinenoord              | 5:20                    |
| fw  | Wouter van den Walestr 47 3274CR Heinenoord | 1:45                    |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord     | 6:42                    |
| fX  | Dorpsstraat 8 3274BD Heinenoord             | 1:54                    |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord    | 2:27                    |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord    | 4:16                    |
| fY  | Jan van Vlietstraat 11 3274NE Heinenoord    | 8:07                    |
| FZ  | Oosteinde 17 3274KB Heinenoord              | 4:45                    |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 8:13                    |                      |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 0:59                    |                      |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 2:07                    |                      |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 1:52                    |                      |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 8:23                    |                      |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 8:35                    |                      |
| GB  | Oosteinde 21 3274KB Heinenoord               | 5:43                    |                      |
| GC  | Oosteinde 9 3274KB Heinenoord                | 6:04                    |                      |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 8:49                    |                      |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 4:55                    |                      |
| gD  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 9:11                    |                      |
| GE  | Oosteinde 31 3274KB Heinenoord               | 7:29                    |                      |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 9:32                    |                      |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 9:43                    |                      |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 0:04                    |                      |
| GG  | Oosteinde 15 3274KB Heinenoord               | 5:25                    |                      |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 4:56                    |                      |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 5:00                    |                      |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 4:04                    |                      |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 5:02                    |                      |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 2:56                    |                      |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 6:35                    |                      |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 5:04                    |                      |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 1:21                    |                      |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 3:41                    |                      |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 2:32                    |                      |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 1:49                    |                      |
| GM  | Oosteinde 29 3274KB Heinenoord               | 7:03                    |                      |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 2:03                    |                      |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 6:02                    |                      |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 5:31                    |                      |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 1:55                    |                      |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 3:11                    |                      |
| gP  | Koedood 17 a 2993AL Barendrecht              | 1:51                    |                      |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 2:09                    |                      |
| gQ  | Koedood 17 2993AL Barendrecht                | 2:10                    |                      |
| GO  | Oosteinde 23 3274KB Heinenoord               | 6:05                    |                      |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 1:19                    |                      |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 7:50                    |                      |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 3:22                    |                      |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 3:22                    |                      |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 22:08                   |                      |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 2:11                    |                      |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 0:40                    |                      |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 3:56                    |                      |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 4:09                    |                      |
| GV  | Avenhil 5 3274CT Heinenoord                  | 3:34                    |                      |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 6:29                    |                      |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 2:34                    |                      |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 1:04                    |                      |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 4:57                    |                      |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 0:44                    |                      |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 9:10                    |                      |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 6:56                    |                      |
| GZ  | Avenhil 37 3274CT Heinenoord                 | 4:44                    |                      |
| H   | Reedijk 1 3274KE Heinenoord                  | 0:00                    |                      |
| •H  | Achterzeedijk 1 a 34 2991SB Barendrecht      | 2:07                    |                      |
| hA  | Achterzeedijk 63 2992SB Barendrecht          | 7:30                    |                      |
| HA  | Hermannushof 14 3274CE Heinenoord            | 3:06                    |                      |
| hb  | Achterzeedijk 67 2992SB Barendrecht          | 8:43                    |                      |
| HB  | Marijkestraat 25 3274AJ Heinenoord           | 1:13                    |                      |
| hc  | Achterzeedijk 38 2992SC Barendrecht          | 4:27                    |                      |
| HC  | Kalesland 3 3274CH Heinenoord                | 2:21                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                         | Name                      | Shadow, expected values              |
|-----------------------------|---------------------------|--------------------------------------|
|                             |                           | Shadow hours<br>per year<br>[h/year] |
| hD Achterzeedijk            | 47 2992SB Barendrecht     | 7:00                                 |
| HD Prof. Teldersstraat      | 35 3274MC Heinenoord      | 6:01                                 |
| hE Achterzeedijk            | 39 2992SB Barendrecht     | 4:54                                 |
| HE Marijkestraat            | 11 3274AJ Heinenoord      | 1:03                                 |
| hF Achterzeedijk            | 41 2992SB Barendrecht     | 5:22                                 |
| HF John F. Kennedystraat    | 38 3274CG Heinenoord      | 5:49                                 |
| hG Achterzeedijk            | 64 2992SC Barendrecht     | 4:47                                 |
| HG Oranjestraat             | 16 3274AK Heinenoord      | 0:42                                 |
| hH Achterzeedijk            | 71 2992SB Barendrecht     | 21:13                                |
| HH Boerengorzen             | 10 3274CV Heinenoord      | 5:00                                 |
| hI Achterzeedijk            | 59 2992SB Barendrecht     | 3:13                                 |
| HI Kalesland                | 78 3274CH Heinenoord      | 2:54                                 |
| HJ Margrietstraat           | 18 3274AH Heinenoord      | 1:14                                 |
| hJ Achterzeedijk            | 42 2992SC Barendrecht     | 6:27                                 |
| HK Martin Luther Kingstraat | 60 3274CL Heinenoord      | 2:39                                 |
| hK Achterzeedijk            | 49 2992SB Barendrecht     | 6:55                                 |
| hL Achterzeedijk            | 48 2992SC Barendrecht     | 5:09                                 |
| HL Talmahof                 | 7 3274CN Heinenoord       | 1:40                                 |
| hM Achterzeedijk            | 60 2992SC Barendrecht     | 4:45                                 |
| HM Kalesland                | 56 3274CH Heinenoord      | 2:55                                 |
| hN Achterzeedijk            | 58 2992SC Barendrecht     | 2:48                                 |
| HN Emmastraat               | 22 3274AC Heinenoord      | 1:12                                 |
| hO Achterzeedijk            | 61 2992SB Barendrecht     | 3:18                                 |
| HO John F. Kennedystraat    | 18 3274CG Heinenoord      | 4:20                                 |
| hP Achterzeedijk            | 40 2992SC Barendrecht     | 4:57                                 |
| HP Martin Luther Kingstraat | 32 3274CK Heinenoord      | 1:50                                 |
| HQ Dreeshof                 | 1 3274CC Heinenoord       | 2:14                                 |
| hQ Achterzeedijk            | 61 b 2992SB Barendrecht   | 4:03                                 |
| HR Buitenlanden             | 8 3274MB Heinenoord       | 8:43                                 |
| hR Achterzeedijk            | 56 2992SC Barendrecht     | 3:08                                 |
| HS Heyne van Althenastraat  | 14 3274CD Heinenoord      | 1:58                                 |
| hS Achterzeedijk            | 73 2992SB Barendrecht     | 21:43                                |
| HT Prof. Teldersstraat      | 11 3274CZ Heinenoord      | 5:03                                 |
| hT Achterzeedijk            | 50 2992SC Barendrecht     | 4:17                                 |
| hU Gorzenweg                | 10 3274LL Heinenoord      | 0:56                                 |
| HU Prof. Teldersstraat      | 16 3274MC Heinenoord      | 6:01                                 |
| HV John F. Kennedystraat    | 41 3274CG Heinenoord      | 2:15                                 |
| hV Gorzenweg                | 8 3274LL Heinenoord       | 1:15                                 |
| hW Mollekade                | 31 3274LN Heinenoord      | 0:47                                 |
| HW Rietwaard                | 17 3274MA Heinenoord      | 8:08                                 |
| hX Mollekade                | 32 3274LP Heinenoord      | 1:03                                 |
| HX Koomansland              | 26 3274CJ Heinenoord      | 1:42                                 |
| hY Boonsweg                 | 44 3274LH Heinenoord      | 13:59                                |
| HY Wouter van den Walestr   | 32 3274CR Heinenoord      | 1:18                                 |
| HZ Avenhil                  | 14 3274CT Heinenoord      | 3:46                                 |
| hZ Gorzenweg                | 6 A 3274LL Heinenoord     | 0:00                                 |
| I Reedijk                   | 1 A 3274KE Heinenoord     | 0:00                                 |
| •I Achterzeedijk            | 1 a 35 2991SB Barendrecht | 2:11                                 |
| IA Avenhil                  | 3 3274CT Heinenoord       | 3:40                                 |
| iA Zomerlandseweg           | 9 3274LX Heinenoord       | 0:17                                 |
| IB John F. Kennedystraat    | 40 3274CG Heinenoord      | 5:45                                 |
| IB Mollekade                | 29 3274LN Heinenoord      | 0:48                                 |
| IC Mollekade                | 28 3274LP Heinenoord      | 0:59                                 |
| IC Wouter van den Walestr   | 72 3274CS Heinenoord      | 1:25                                 |
| ID Dreeshof                 | 9 3274CC Heinenoord       | 2:11                                 |
| ID Mollekade                | 39 3274LN Heinenoord      | 0:52                                 |
| IE Thorbeckehof             | 1 3274CP Heinenoord       | 2:55                                 |
| iE Mollekade                | 41 3274LN Heinenoord      | 0:52                                 |
| IF Spuivelden               | 25 3274CM Heinenoord      | 3:03                                 |
| IF Mollekade                | 47 3274LN Heinenoord      | 0:58                                 |
| iG Mollekade                | 45 3274LN Heinenoord      | 0:55                                 |
| IG Wiardi Beckmanhof        | 8 3274CX Heinenoord       | 3:11                                 |
| IH Talmahof                 | 4 3274CN Heinenoord       | 2:00                                 |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 0:00                    |                      |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 3:30                    |                      |
| iI  | Mollekade 43 3274LN Heinenoord                | 0:52                    |                      |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 4:01                    |                      |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 0:00                    |                      |
| IK  | De Laagjes 12 3274CB Heinenoord               | 2:07                    |                      |
| iK  | Mollekade 35 3274LN Heinenoord                | 0:47                    |                      |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 0:00                    |                      |
| IL  | Talmahof 11 3274CN Heinenoord                 | 1:40                    |                      |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 2:58                    |                      |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 2:03                    |                      |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 6:20                    |                      |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 0:00                    |                      |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 2:25                    |                      |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 0:00                    |                      |
| IP  | Koimansland 32 3274CJ Heinenoord              | 1:53                    |                      |
| iP  | Stekkant 40 2993DB Barendrecht                | 0:00                    |                      |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 5:37                    |                      |
| iQ  | Stekkant 33 2993DB Barendrecht                | 0:00                    |                      |
| IR  | Spieringwater 12 2993DM Barendrecht           | 0:00                    |                      |
| IR  | Kalesland 52 3274CH Heinenoord                | 2:48                    |                      |
| iS  | Koedood 6 a 2993AL Barendrecht                | 0:09                    |                      |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 2:34                    |                      |
| IT  | Avenhil 15 3274CT Heinenoord                  | 3:43                    |                      |
| iT  | Stekkant 107 2993DB Barendrecht               | 0:00                    |                      |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 0:00                    |                      |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 3:19                    |                      |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 0:00                    |                      |
| IV  | Kalesland 19 3274CH Heinenoord                | 2:34                    |                      |
| IW  | Stekkant 2 2993DB Barendrecht                 | 0:00                    |                      |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 0:49                    |                      |
| IX  | Müllerhaven 32 2993EA Barendrecht             | 0:00                    |                      |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 1:50                    |                      |
| IY  | Oranjestraat 11 B 3274AK Heinenoord           | 0:41                    |                      |
| iY  | Calandhaven 3 2993HL Barendrecht              | 0:00                    |                      |
| IZ  | Stekkant 87 2993DB Barendrecht                | 0:00                    |                      |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 3:01                    |                      |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 0:22                    |                      |
| •J  | Achterdijk 1 a 36 2991SB Barendrecht          | 2:15                    |                      |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 2:12                    |                      |
| jA  | Meeshaven 5 2993HN Barendrecht                | 0:00                    |                      |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 6:19                    |                      |
| jb  | Smithaven 4 2993EC Barendrecht                | 0:00                    |                      |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 0:00                    |                      |
| JC  | Emmastraat 11 3274AC Heinenoord               | 1:01                    |                      |
| JD  | Stekkant 13 2993DB Barendrecht                | 0:00                    |                      |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 3:27                    |                      |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 1:22                    |                      |
| JE  | Kröllerhaven 12 2993ED Barendrecht            | 0:00                    |                      |
| JF  | Avenhil 9 3274CT Heinenoord                   | 3:19                    |                      |
| jF  | Stekkant 51 2993DB Barendrecht                | 0:00                    |                      |
| JG  | De Laagjes 23 3274CB Heinenoord               | 2:22                    |                      |
| JG  | Zalmwater 143 2993DX Barendrecht              | 0:00                    |                      |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 0:48                    |                      |
| JH  | Van Hobokenhaven 43 2993HH Barendrecht        | 0:00                    |                      |
| ji  | Müllerhaven 70 2993EA Barendrecht             | 0:00                    |                      |
| Ji  | Rietwaard 20 3274MA Heinenoord                | 8:16                    |                      |
| Jj  | Stekkant 89 2993DB Barendrecht                | 0:00                    |                      |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 0:57                    |                      |
| JK  | Müllerhaven 36 2993EA Barendrecht             | 0:00                    |                      |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 6:01                    |                      |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 2:22                    |                      |
| JL  | Stekkant 73 2993DB Barendrecht                | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 1:30                    |                      |
| JM  | Aalwater 20 2993DD Barendrecht                | 0:00                    |                      |
| jN  | Stekkant 111 2993DB Barendrecht               | 0:00                    |                      |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 5:07                    |                      |
| JO  | Smithaven 6 2993EC Barendrecht                | 0:00                    |                      |
| JO  | Oosteinde 45 3274KB Heinenoord                | 5:58                    |                      |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 0:00                    |                      |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 1:25                    |                      |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 1:05                    |                      |
| JQ  | Smithaven 35 2993EC Barendrecht               | 0:00                    |                      |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 1:46                    |                      |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 0:00                    |                      |
| JS  | Stekkant 127 2993DB Barendrecht               | 0:00                    |                      |
| JS  | Kalesland 32 3274CH Heinenoord                | 2:30                    |                      |
| jT  | Van Hobokenhoven 61 2993HH Barendrecht        | 0:00                    |                      |
| JT  | Talmahof 2 3274CN Heinenoord                  | 2:00                    |                      |
| jU  | Smithaven 18 2993EC Barendrecht               | 0:00                    |                      |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 0:53                    |                      |
| jV  | Swarttouwhaven 52 2993HP Barendrecht          | 0:00                    |                      |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 7:05                    |                      |
| jW  | Kabbelkant 6 2993DC Barendrecht               | 0:00                    |                      |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 2:41                    |                      |
| jX  | Meeshaven 7 2993HN Barendrecht                | 0:00                    |                      |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 1:12                    |                      |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 2:51                    |                      |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 0:00                    |                      |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 1:06                    |                      |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 0:00                    |                      |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 0:27                    |                      |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 2:14                    |                      |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 0:00                    |                      |
| KA  | Talmahof 8 3274CN Heinenoord                  | 1:59                    |                      |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 0:00                    |                      |
| KB  | Irenestraat 28 3274AE Heinenoord              | 1:04                    |                      |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 1:59                    |                      |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 0:00                    |                      |
| KD  | Van Hobokenhoven 27 2993HH Barendrecht        | 0:00                    |                      |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 0:52                    |                      |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 2:13                    |                      |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 0:00                    |                      |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 0:00                    |                      |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 1:31                    |                      |
| KG  | Stekkant 147 2993DB Barendrecht               | 0:00                    |                      |
| KG  | Emmastraat 30 3274AC Heinenoord               | 0:53                    |                      |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 1:22                    |                      |
| KH  | Van Hobokenhoven 59 2993HH Barendrecht        | 0:00                    |                      |
| KI  | Aalwater 4 2993DD Barendrecht                 | 0:00                    |                      |
| KI  | Emmastraat 32 3274AC Heinenoord               | 0:52                    |                      |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 1:06                    |                      |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 0:00                    |                      |
| KK  | De Laagjes 21 3274CB Heinenoord               | 2:21                    |                      |
| KK  | Aalwater 19 2993DD Barendrecht                | 0:00                    |                      |
| KL  | Steurwater 13 2993DE Barendrecht              | 0:00                    |                      |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 8:09                    |                      |
| KM  | Irenestraat 3 3274AD Heinenoord               | 0:55                    |                      |
| KM  | Vederhaven 3 2993EB Barendrecht               | 0:00                    |                      |
| KN  | Van Hobokenhoven 39 2993HH Barendrecht        | 0:00                    |                      |
| KN  | Irenestraat 36 3274AE Heinenoord              | 0:59                    |                      |
| KO  | Emmastraat 20 3274AC Heinenoord               | 1:10                    |                      |
| KO  | Müllerhaven 8 2993EA Barendrecht              | 0:00                    |                      |
| KP  | Stekkant 129 2993DB Barendrecht               | 0:00                    |                      |
| KP  | Oosteinde 41 3274KB Heinenoord                | 6:38                    |                      |
| KQ  | Stekkant 149 2993DB Barendrecht               | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| KQ  | John F. Kennedystraat 35 3274CG Heinenoord     | 2:08                    |                      |
| KR  | Avenhil 30 3274CT Heinenoord                   | 4:38                    |                      |
| KR  | Smithaven 59 2993EC Barendrecht                | 0:00                    |                      |
| KS  | Ruyshaven 4 2993HM Barendrecht                 | 0:00                    |                      |
| KS  | John F. Kennedystraat 55 3274CG Heinenoord     | 2:51                    |                      |
| KT  | Martin Luther Kingstraat 34 3274CL Heinenoord  | 1:58                    |                      |
| KT  | Swarttouwhaven 10 2993HP Barendrecht           | 0:00                    |                      |
| KU  | Stekkant 109 2993DB Barendrecht                | 0:00                    |                      |
| KU  | Koimansland 6 3274CJ Heinenoord                | 1:39                    |                      |
| KV  | Boerengorzen 8 3274CV Heinenoord               | 4:56                    |                      |
| KV  | Müllerhaven 42 2993EA Barendrecht              | 0:00                    |                      |
| kW  | Müllerhaven 48 2993EA Barendrecht              | 0:00                    |                      |
| KW  | Margrietstraat 20 3274AH Heinenoord            | 1:13                    |                      |
| KX  | Dorpsstraat 1 A 3274BB Heinenoord              | 3:37                    |                      |
| KX  | Kröllerhaven 53 2993ED Barendrecht             | 0:00                    |                      |
| KY  | Stekkant 57 2993DB Barendrecht                 | 0:00                    |                      |
| KY  | John F. Kennedystraat 5 3274CG Heinenoord      | 1:29                    |                      |
| KZ  | Kalesland 72 3274CH Heinenoord                 | 3:03                    |                      |
| KZ  | Kröllerhaven 23 2993ED Barendrecht             | 0:00                    |                      |
| L   | Reedijk 2 3274KE Heinenoord                    | 0:00                    |                      |
| •L  | Achterzeedijk 1 a 38 2991SB Barendrecht        | 2:20                    |                      |
| LA  | John F. Kennedystraat 67 3274CG Heinenoord     | 3:55                    |                      |
| IA  | Ruyshaven 8 2993HM Barendrecht                 | 0:00                    |                      |
| LB  | Wouter van den Walestraat 28 3274CR Heinenoord | 1:20                    |                      |
| IB  | Swarttouwhaven 44 2993HP Barendrecht           | 0:00                    |                      |
| IC  | Müllerhaven 56 2993EA Barendrecht              | 0:00                    |                      |
| LC  | Dreeshof 11 3274CC Heinenoord                  | 2:10                    |                      |
| LD  | John F. Kennedystraat 22 3274CG Heinenoord     | 4:27                    |                      |
| ID  | Stekkant 22 2993DB Barendrecht                 | 0:00                    |                      |
| LE  | Kalesland 18 3274CH Heinenoord                 | 2:14                    |                      |
| IE  | Meeshaven 2 2993HN Barendrecht                 | 0:00                    |                      |
| IF  | Aalwater 14 2993DD Barendrecht                 | 0:00                    |                      |
| LF  | Koimansland 18 3274CJ Heinenoord               | 1:34                    |                      |
| IG  | Stekkant 55 2993DB Barendrecht                 | 0:00                    |                      |
| LG  | Boerengorzen 4 3274CV Heinenoord               | 5:00                    |                      |
| LH  | Julianastraat 40 3274AG Heinenoord             | 0:37                    |                      |
| IH  | Stekkant 77 2993DB Barendrecht                 | 0:00                    |                      |
| II  | Stekkant 115 2993DB Barendrecht                | 0:00                    |                      |
| LI  | John F. Kennedystraat 13 3274CG Heinenoord     | 1:34                    |                      |
| IJ  | Kröllerhaven 37 2993ED Barendrecht             | 0:00                    |                      |
| LJ  | Rietwaard 24 3274MA Heinenoord                 | 9:42                    |                      |
| IK  | Kröllerhaven 39 2993ED Barendrecht             | 0:00                    |                      |
| LK  | Heyne van Althenastraat 30 3274CD Heinenoord   | 2:46                    |                      |
| LL  | Kalesland 7 3274CH Heinenoord                  | 2:21                    |                      |
| IL  | Swarttouwhaven 30 2993HP Barendrecht           | 0:00                    |                      |
| LM  | Julianastraat 46 3274AG Heinenoord             | 0:37                    |                      |
| IM  | Stekkant 19 2993DB Barendrecht                 | 0:00                    |                      |
| LN  | Marikkestraat 1 B 3274AJ Heinenoord            | 0:50                    |                      |
| IN  | Stekkant 12 2993DB Barendrecht                 | 0:00                    |                      |
| IO  | Müllerhaven 24 2993EA Barendrecht              | 0:00                    |                      |
| LO  | Irenestraat 10 3274AE Heinenoord               | 0:59                    |                      |
| IP  | Spieringwater 8 2993DM Barendrecht             | 0:00                    |                      |
| LP  | Wiardi Beckmanhof 7 3274CX Heinenoord          | 3:18                    |                      |
| IQ  | Kröllerhaven 51 2993ED Barendrecht             | 0:00                    |                      |
| LQ  | Spuivelden 8 3274CM Heinenoord                 | 3:09                    |                      |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord       | 5:59                    |                      |
| IR  | Kabbelkant 2 2993DC Barendrecht                | 0:00                    |                      |
| IS  | Stekkant 10 2993DB Barendrecht                 | 0:00                    |                      |
| LS  | Beatrixstraat 34 3274AA Heinenoord             | 0:48                    |                      |
| LT  | Marijkestraat 2 3274AJ Heinenoord              | 0:50                    |                      |
| IT  | Swarttouwhaven 20 2993HP Barendrecht           | 0:00                    |                      |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord  | 1:33                    |                      |
| IU  | Kabbelkant 8 2993DC Barendrecht                | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                           | Name               | Shadow, expected values              |
|-------------------------------|--------------------|--------------------------------------|
|                               |                    | Shadow hours<br>per year<br>[h/year] |
| IV Koedood 8                  | 2993AL Barendrecht | 0:20                                 |
| LV Rietwaard 5                | 3274MA Heinenoord  | 6:47                                 |
| LW Heyne van Althenastraat 8  | 3274CD Heinenoord  | 1:59                                 |
| IW Kröllerhaven 41            | 2993ED Barendrecht | 0:00                                 |
| LX Rietwaard 6                | 3274MA Heinenoord  | 6:09                                 |
| IX Steekkant 63               | 2993DB Barendrecht | 0:00                                 |
| LY John F. Kennedystraat 83   | 3274CG Heinenoord  | 5:22                                 |
| IY Steekkant 101              | 2993DB Barendrecht | 0:00                                 |
| LZ Avenhil 36                 | 3274CT Heinenoord  | 4:43                                 |
| IZ Steekkant 1                | 2993DB Barendrecht | 0:00                                 |
| M Reedijk 3                   | 3274KE Heinenoord  | 0:00                                 |
| •M Achterzeedijk 1 a 39       | 2991SB Barendrecht | 2:23                                 |
| MA Irenestraat 26             | 3274AE Heinenoord  | 1:03                                 |
| mA Müllerhaven 58             | 2993EA Barendrecht | 0:00                                 |
| mb Steekkant 15               | 2993DB Barendrecht | 0:00                                 |
| MB Prof. Teldersstraat 3      | 3274CZ Heinenoord  | 5:14                                 |
| mC Müllerhaven 12             | 2993EA Barendrecht | 0:00                                 |
| MC Oranjestraat 26            | 3274AK Heinenoord  | 0:50                                 |
| mD Steekkant 133              | 2993DB Barendrecht | 0:00                                 |
| MD Avenhil 23                 | 3274CT Heinenoord  | 4:08                                 |
| mE Aalwater 13                | 2993DD Barendrecht | 0:00                                 |
| ME Dorpsstraat 1              | 3274BB Heinenoord  | 2:36                                 |
| mF Swarttouwhaven 24          | 2993HP Barendrecht | 0:00                                 |
| MF Kalesland 58               | 3274CH Heinenoord  | 3:05                                 |
| MG Wouter van den Walestri 54 | 3274CS Heinenoord  | 1:22                                 |
| mG Steekkant 37               | 2993DB Barendrecht | 0:00                                 |
| mh Kabbelkant 4               | 2993DC Barendrecht | 0:00                                 |
| MH Irenestraat 48             | 3274AE Heinenoord  | 1:08                                 |
| MI Avenhil 13                 | 3274CT Heinenoord  | 3:51                                 |
| mI Steurwater 5               | 2993DE Barendrecht | 0:00                                 |
| mJ Vederhaven 11              | 2993EB Barendrecht | 0:00                                 |
| MJ Kalesland 1                | 3274CH Heinenoord  | 2:20                                 |
| mK Swarttouwhaven 48          | 2993HP Barendrecht | 0:00                                 |
| MK Koomansland 5              | 3274CJ Heinenoord  | 1:53                                 |
| ML Margrietstraat 9           | 3274AH Heinenoord  | 1:05                                 |
| ml Steekkant 153              | 2993DB Barendrecht | 0:00                                 |
| MM Emmastraat 16              | 3274AC Heinenoord  | 1:07                                 |
| mm Steekkant 24               | 2993DB Barendrecht | 0:00                                 |
| MN Irenestraat 1              | 3274AD Heinenoord  | 0:54                                 |
| mN Steekkant 16               | 2993DB Barendrecht | 0:00                                 |
| mO Steekkant 14               | 2993DB Barendrecht | 0:00                                 |
| MO Avenhil 10                 | 3274CT Heinenoord  | 3:19                                 |
| MP Spuivelden 15              | 3274CM Heinenoord  | 3:01                                 |
| mP Smithaven 2                | 2993EC Barendrecht | 0:00                                 |
| MQ Wiardi Beckmanhof 13       | 3274CX Heinenoord  | 3:38                                 |
| mQ Aalwater 8                 | 2993DD Barendrecht | 0:00                                 |
| MR Talmahof 9                 | 3274CN Heinenoord  | 1:40                                 |
| mR Steekkant 53               | 2993DB Barendrecht | 0:00                                 |
| mS Smithaven 43               | 2993EC Barendrecht | 0:00                                 |
| MS Beatrixstraat 48           | 3274AA Heinenoord  | 0:48                                 |
| mT Müllerhaven 72             | 2993EA Barendrecht | 0:00                                 |
| MT De Laagjes 26              | 3274CB Heinenoord  | 2:33                                 |
| MU Bernhardstraat 6           | 3274AB Heinenoord  | 0:55                                 |
| mU Smithaven 14               | 2993EC Barendrecht | 0:00                                 |
| MV Wiardi Beckmanhof 11       | 3274CX Heinenoord  | 3:21                                 |
| mV Van Hobokenhaven 45        | 2993HH Barendrecht | 0:00                                 |
| mW Steekkant 48               | 2993DB Barendrecht | 0:00                                 |
| MW Julianalaan 42             | 3274AG Heinenoord  | 0:38                                 |
| MX De Laagjes 22              | 3274CB Heinenoord  | 2:25                                 |
| mX Steekkant 75               | 2993DB Barendrecht | 0:00                                 |
| mY Steekkant 91               | 2993DB Barendrecht | 0:00                                 |
| MY Koomansland 13             | 3274CJ Heinenoord  | 2:02                                 |
| mZ Aalwater 18                | 2993DD Barendrecht | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name                 | Shadow, expected values |          |
|--------------------------------|----------------------|-------------------------|----------|
|                                |                      | Shadow hours per year   | [h/year] |
| MZ Kalesland 46                | 3274CH Heinenoord    | 2:42                    |          |
| N Blaaksedijk West             | 31 3274LD Heinenoord | 0:00                    |          |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht   | 2:30                    |          |
| NA Spuivelden 9                | 3274CM Heinenoord    | 2:34                    |          |
| nA Aalwater 16                 | 2993DD Barendrecht   | 0:00                    |          |
| nB Steekkant 17                | 2993DB Barendrecht   | 0:00                    |          |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord    | 2:18                    |          |
| NC Irenestraat 20              | 3274AE Heinenoord    | 0:59                    |          |
| nC Zalmwater 155               | 2993DX Barendrecht   | 0:00                    |          |
| ND Oranjestraat 31             | 3274AK Heinenoord    | 1:06                    |          |
| nD Müllerhaven 60              | 2993EA Barendrecht   | 0:00                    |          |
| nE Swarttouwhaven 18           | 2993HP Barendrecht   | 0:00                    |          |
| NE Kalesland 28                | 3274CH Heinenoord    | 2:26                    |          |
| nF Zalmwater 151               | 2993DX Barendrecht   | 0:00                    |          |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord    | 2:22                    |          |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord    | 6:39                    |          |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht   | 0:00                    |          |
| nH Smithaven 33                | 2993EC Barendrecht   | 0:00                    |          |
| NH Dorpsstraat 7               | 3274BB Heinenoord    | 1:48                    |          |
| nI Müllerhaven 4               | 2993EA Barendrecht   | 0:00                    |          |
| NI Kalesland 64                | 3274CH Heinenoord    | 3:03                    |          |
| nJ Smithaven 39                | 2993EC Barendrecht   | 0:00                    |          |
| NJ Andries Woutershof 8        | 3274CA Heinenoord    | 2:20                    |          |
| NK Beatrixstraat 23            | 3274AA Heinenoord    | 0:45                    |          |
| nK Müllerhaven 10              | 2993EA Barendrecht   | 0:00                    |          |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord    | 5:11                    |          |
| nL Steekkant 131               | 2993DB Barendrecht   | 0:00                    |          |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht   | 0:00                    |          |
| NM Oosteinde 24                | 3274KC Heinenoord    | 7:28                    |          |
| nN Steekkant 23                | 2993DB Barendrecht   | 0:00                    |          |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord    | 5:10                    |          |
| NO Kooimansland 1              | 3274CJ Heinenoord    | 1:50                    |          |
| nO Steekkant 50                | 2993DB Barendrecht   | 0:00                    |          |
| NP Buitenlanden 21             | 3274MB Heinenoord    | 6:59                    |          |
| nP Steekkant 20                | 2993DB Barendrecht   | 0:00                    |          |
| nQ Müllerhaven 64              | 2993EA Barendrecht   | 0:00                    |          |
| NO Marijkestraat 9             | 3274AJ Heinenoord    | 1:00                    |          |
| nR Kröllerhaven 15             | 2993ED Barendrecht   | 0:00                    |          |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord    | 5:11                    |          |
| nS Steekkant 79                | 2993DB Barendrecht   | 0:00                    |          |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord    | 5:47                    |          |
| NT Kalesland 6                 | 3274CH Heinenoord    | 2:03                    |          |
| nT Steekkant 35                | 2993DB Barendrecht   | 0:00                    |          |
| nU Kröllerhaven 33             | 2993ED Barendrecht   | 0:00                    |          |
| NU Kooimansland 2              | 3274CJ Heinenoord    | 1:40                    |          |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord    | 4:34                    |          |
| nV Swarttouwhaven 38           | 2993HP Barendrecht   | 0:00                    |          |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord    | 1:49                    |          |
| nW Kabbelkant 16               | 2993DC Barendrecht   | 0:00                    |          |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht   | 0:00                    |          |
| NX Oosteinde 16                | 3274KC Heinenoord    | 8:59                    |          |
| NY Irenestraat 19              | 3274AD Heinenoord    | 0:54                    |          |
| nY Meeshaven 18                | 2993HN Barendrecht   | 0:00                    |          |
| NZ Bernhardstraat 4            | 3274AB Heinenoord    | 0:54                    |          |
| nZ Ruyshaven 7                 | 2993HM Barendrecht   | 0:00                    |          |
| O Blaaksedijk West 32          | 3274LE Heinenoord    | 0:00                    |          |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht   | 2:34                    |          |
| OA Boerengorzen 2              | 3274CV Heinenoord    | 5:08                    |          |
| oA Müllerhaven 62              | 2993EA Barendrecht   | 0:00                    |          |
| oB Smithaven 27                | 2993EC Barendrecht   | 0:00                    |          |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord    | 1:25                    |          |
| oC Aalwater 21                 | 2993DD Barendrecht   | 0:00                    |          |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord    | 5:31                    |          |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| oD  | Swarttouwhaven 56 2993HP Barendrecht          | 0:00                                 |
| OD  | Irenestraat 44 3274AE Heinenoord              | 1:04                                 |
| OE  | Kalesland 22 3274CH Heinenoord                | 2:19                                 |
| oE  | Van Hobokenhaven 21 2993HH Barendrecht        | 0:00                                 |
| OF  | Marijkestraat 4 3274AJ Heinenoord             | 0:51                                 |
| oF  | Kröllerhaven 27 2993ED Barendrecht            | 0:00                                 |
| OG  | Wiardi Beckmanhof 1 3274CX Heinenoord         | 3:24                                 |
| oG  | Kröllerhaven 19 2993ED Barendrecht            | 0:00                                 |
| OH  | Emmastraat 2 F 3274AC Heinenoord              | 0:55                                 |
| oH  | Ruyshaven 2 2993HM Barendrecht                | 0:00                                 |
| OI  | Koomansland 22 3274CJ Heinenoord              | 1:39                                 |
| oI  | Koedood 2 b 2993AL Barendrecht                | 0:03                                 |
| OJ  | Prof. Teldersstraat 26 3274MC Heinenoord      | 6:27                                 |
| oJ  | Swarttouwhaven 60 2993HP Barendrecht          | 0:00                                 |
| OK  | Avenhil 12 3274CT Heinenoord                  | 3:33                                 |
| oK  | Müllerhaven 28 2993EA Barendrecht             | 0:00                                 |
| oL  | Spieringwater 14 2993DM Barendrecht           | 0:00                                 |
| OL  | Martin Luther Kingstraat 46 3274CL Heinenoord | 2:10                                 |
| oM  | Aalwater 7 2993DD Barendrecht                 | 0:00                                 |
| OM  | Heyne van Althenastraat 10 3274CD Heinenoord  | 1:59                                 |
| oN  | Stekkant 34 2993DB Barendrecht                | 0:00                                 |
| ON  | Rietwaard 10 3274MA Heinenoord                | 6:22                                 |
| oO  | Stekkant 61 2993DB Barendrecht                | 0:00                                 |
| OO  | Martin Luther Kingstraat 62 3274CL Heinenoord | 2:41                                 |
| OP  | Avenhil 40 3274CT Heinenoord                  | 4:23                                 |
| oP  | Stekkant 167 2993DB Barendrecht               | 0:00                                 |
| OQ  | Emmastraat 28 3274AC Heinenoord               | 0:54                                 |
| oQ  | Van Hobokenhaven 57 2993HH Barendrecht        | 0:00                                 |
| oR  | Stekkant 159 2993DB Barendrecht               | 0:00                                 |
| OR  | Avenhil 16 3274CT Heinenoord                  | 3:36                                 |
| OS  | Irenestraat 46 3274AE Heinenoord              | 1:06                                 |
| oS  | Kröllerhaven 21 2993ED Barendrecht            | 0:00                                 |
| oT  | Ruyshaven 6 2993HM Barendrecht                | 0:00                                 |
| OT  | Kalesland 5 3274CH Heinenoord                 | 2:22                                 |
| OU  | Oranjestraat 29 3274AK Heinenoord             | 1:05                                 |
| oU  | Koedood 18 2993AL Barendrecht                 | 0:29                                 |
| OV  | Prof. Teldersstraat 49 3274MC Heinenoord      | 6:32                                 |
| oV  | Van Hobokenhaven 67 2993HH Barendrecht        | 0:00                                 |
| oW  | Swarttouwhaven 54 2993HP Barendrecht          | 0:00                                 |
| OW  | Irenestraat 16 3274AE Heinenoord              | 1:00                                 |
| oX  | Kabbelkant 10 2993DC Barendrecht              | 0:00                                 |
| OX  | De Laagjes 16 3274CB Heinenoord               | 2:18                                 |
| oY  | Smithaven 8 2993EC Barendrecht                | 0:00                                 |
| OY  | Wouter van den Walestr 52 3274CS Heinenoord   | 1:21                                 |
| oZ  | Müllerhaven 26 2993EA Barendrecht             | 0:00                                 |
| OZ  | Martin Luther Kingstraat 24 3274CK Heinenoord | 1:42                                 |
| P   | Blaaksedijk West 33 3274LD Heinenoord         | 0:00                                 |
| •P  | Achterzeedijk 1 a 42 2991SB Barendrecht       | 2:33                                 |
| PA  | Wouter van den Walestr 76 3274CS Heinenoord   | 1:22                                 |
| pA  | Stekkant 163 2993DB Barendrecht               | 0:00                                 |
| pB  | Stekkant 93 2993DB Barendrecht                | 0:00                                 |
| PB  | Avenhil 20 3274CT Heinenoord                  | 4:06                                 |
| PC  | Martin Luther Kingstraat 10 3274CK Heinenoord | 1:30                                 |
| pC  | Van Hobokenhaven 23 2993HH Barendrecht        | 0:00                                 |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 1:12                                 |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 0:00                                 |
| pE  | Stekkant 32 2993DB Barendrecht                | 0:00                                 |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 7:00                                 |
| pF  | Stekkant 99 2993DB Barendrecht                | 0:00                                 |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 5:32                                 |
| pG  | Smithaven 10 2993EC Barendrecht               | 0:00                                 |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 3:39                                 |
| pH  | Aalwater 1 2993DD Barendrecht                 | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

Opstelling 2c

Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 23:32/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name               | Shadow, expected values | Shadow hours<br>per year<br>[h/year] |
|--------------------------------|--------------------|-------------------------|--------------------------------------|
|                                |                    | per year<br>[h/year]    |                                      |
| PH Rietwaard 2                 | 3274MA Heinenoord  | 6:07                    |                                      |
| PI Abraham Kuyperhof 3         | 3274CW Heinenoord  | 4:08                    |                                      |
| pI Steekkant 161               | 2993DB Barendrecht | 0:00                    |                                      |
| pJ Kröllerhaven 2              | 2993ED Barendrecht | 0:00                    |                                      |
| PJ Irenestraat 7               | 3274AD Heinenoord  | 0:55                    |                                      |
| pK Smithaven 21                | 2993EC Barendrecht | 0:00                    |                                      |
| PK Prof. Teldersstraat 6       | 3274MC Heinenoord  | 6:04                    |                                      |
| PL Kalesland 10                | 3274CH Heinenoord  | 2:04                    |                                      |
| pL Müllerhaven 18              | 2993EA Barendrecht | 0:00                    |                                      |
| PM Avenhil 6                   | 3274CT Heinenoord  | 3:23                    |                                      |
| pM Steekkant 139               | 2993DB Barendrecht | 0:00                    |                                      |
| pN Zalmwater 139               | 2993DX Barendrecht | 0:00                    |                                      |
| PN John F. Kennedystraat 28    | 3274CG Heinenoord  | 5:23                    |                                      |
| pO Kröllerhaven 47             | 2993ED Barendrecht | 0:00                    |                                      |
| PO Kalesland 26                | 3274CH Heinenoord  | 2:24                    |                                      |
| pP Steekkant 9                 | 2993DB Barendrecht | 0:00                    |                                      |
| PP Prof. Teldersstraat 10      | 3274MC Heinenoord  | 6:02                    |                                      |
| PQ De Laagjes 7                | 3274CB Heinenoord  | 2:03                    |                                      |
| pQ Aalwater 9                  | 2993DD Barendrecht | 0:00                    |                                      |
| PR Hermannushof 10             | 3274CE Heinenoord  | 3:01                    |                                      |
| pR Steekkant 95                | 2993DB Barendrecht | 0:00                    |                                      |
| pS Swarttouwhaven 12           | 2993HP Barendrecht | 0:00                    |                                      |
| PS Andries Woutershof 18       | 3274CA Heinenoord  | 2:33                    |                                      |
| pT Smithaven 25                | 2993EC Barendrecht | 0:00                    |                                      |
| PT Wouter van den Walestr 30   | 3274CR Heinenoord  | 1:19                    |                                      |
| PU Heyne van Althenastraat 40  | 3274CD Heinenoord  | 3:18                    |                                      |
| pU Swarttouwhaven 16           | 2993HP Barendrecht | 0:00                    |                                      |
| pV Smithaven 23                | 2993EC Barendrecht | 0:00                    |                                      |
| PV Irenestraat 12              | 3274AE Heinenoord  | 0:58                    |                                      |
| pW Steekkant 28                | 2993DB Barendrecht | 0:00                    |                                      |
| PW Martin Luther Kingstraat 70 | 3274CL Heinenoord  | 2:53                    |                                      |
| pX Müllerhaven 74              | 2993EA Barendrecht | 0:00                    |                                      |
| PX John F. Kennedystraat 21    | 3274CG Heinenoord  | 1:43                    |                                      |
| pY Steekkant 5                 | 2993DB Barendrecht | 0:00                    |                                      |
| PY Prof. Teldersstraat 20      | 3274MC Heinenoord  | 5:57                    |                                      |
| PZ Beatrixstraat 52            | 3274AA Heinenoord  | 0:48                    |                                      |
| pZ Van Hobokenhaven 49         | 2993HH Barendrecht | 0:00                    |                                      |
| Q Blaaksedijk West 47          | 3274LD Heinenoord  | 1:04                    |                                      |
| •Q Achterzeedijk 1 a 43        | 2991SB Barendrecht | 2:32                    |                                      |
| qA Müllerhaven 80              | 2993EA Barendrecht | 0:00                    |                                      |
| QA Oosteinde 6                 | 3274KC Heinenoord  | 8:05                    |                                      |
| QB Kooimansland 12             | 3274CJ Heinenoord  | 1:38                    |                                      |
| qb Steekkant 6                 | 2993DB Barendrecht | 0:00                    |                                      |
| QC Beatrixstraat 36            | 3274AA Heinenoord  | 0:48                    |                                      |
| qc Steekkant 25                | 2993DB Barendrecht | 0:00                    |                                      |
| QD Avenhil 11                  | 3274CT Heinenoord  | 3:17                    |                                      |
| qd Smithaven 51                | 2993EC Barendrecht | 0:00                    |                                      |
| QE De Laagjes 17               | 3274CB Heinenoord  | 2:22                    |                                      |
| qe Müllerhaven 22              | 2993EA Barendrecht | 0:00                    |                                      |
| qf Steekkant 143               | 2993DB Barendrecht | 0:00                    |                                      |
| QF Marijkestraat 7             | 3274AJ Heinenoord  | 0:58                    |                                      |
| qG Swarttouwhaven 14           | 2993HP Barendrecht | 0:00                    |                                      |
| QG Avenhil 34                  | 3274CT Heinenoord  | 4:25                    |                                      |
| qH Steekkant 7                 | 2993DB Barendrecht | 0:00                    |                                      |
| QH Kooimansland 14             | 3274CJ Heinenoord  | 1:39                    |                                      |
| QI Irenestraat 13              | 3274AD Heinenoord  | 0:54                    |                                      |
| qi Steekkant 45                | 2993DB Barendrecht | 0:00                    |                                      |
| QJ Martin Luther Kingstraat 68 | 3274CL Heinenoord  | 2:51                    |                                      |
| qj Koedood 25                  | 2993AL Barendrecht | 0:00                    |                                      |
| QK Prof. Teldersstraat 13      | 3274CZ Heinenoord  | 5:02                    |                                      |
| qk Steekkant 47                | 2993DB Barendrecht | 0:00                    |                                      |
| QL Andries Woutershof 24       | 3274CA Heinenoord  | 2:33                    |                                      |
| ql Aalwater 10                 | 2993DD Barendrecht | 0:00                    |                                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

Opstelling 2c

Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 23:32/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht       | 0:00                    |                      |
| QM  | De Laagjes 19 3274CB Heinenoord              | 2:20                    |                      |
| QN  | Kalesland 38 3274CH Heinenoord               | 2:32                    |                      |
| qN  | Müllerhaven 46 2993EA Barendrecht            | 0:00                    |                      |
| qO  | Müllerhaven 68 2993EA Barendrecht            | 0:00                    |                      |
| QO  | Marijkestraat 21 3274AJ Heinenoord           | 1:10                    |                      |
| qP  | Steurwater 1 2993DE Barendrecht              | 0:00                    |                      |
| QP  | De Laagjes 4 3274CB Heinenoord               | 1:57                    |                      |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord   | 1:40                    |                      |
| qQ  | Koedood 6 2993AL Barendrecht                 | 0:02                    |                      |
| qR  | Zalmwater 157 2993DX Barendrecht             | 0:00                    |                      |
| QR  | Bernhardstraat 3 3274AB Heinenoord           | 0:49                    |                      |
| qS  | Spieringwater 4 2993DM Barendrecht           | 0:00                    |                      |
| QS  | Oosteinde 37 3274KB Heinenoord               | 7:22                    |                      |
| QT  | De Laagjes 28 3274CB Heinenoord              | 2:36                    |                      |
| qT  | Spieringwater 10 2993DM Barendrecht          | 0:00                    |                      |
| QU  | Thorbeckehof 3 3274CP Heinenoord             | 2:53                    |                      |
| qU  | Spieringwater 2 2993DM Barendrecht           | 0:00                    |                      |
| qV  | Steekkant 54 2993DB Barendrecht              | 0:00                    |                      |
| QV  | De Laagjes 20 3274CB Heinenoord              | 2:25                    |                      |
| QW  | Buitelanden 4 3274MB Heinenoord              | 9:08                    |                      |
| qW  | Swarttouwhaven 62 2993HP Barendrecht         | 0:00                    |                      |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord       | 3:40                    |                      |
| qX  | Steurwater 11 2993DE Barendrecht             | 0:00                    |                      |
| QY  | Emmastraat 2 E 3274AC Heinenoord             | 0:56                    |                      |
| qY  | Swarttouwhaven 36 2993HP Barendrecht         | 0:00                    |                      |
| qZ  | Kabbelkant 14 2993DC Barendrecht             | 0:00                    |                      |
| QZ  | Koomansland 8 3274CJ Heinenoord              | 1:39                    |                      |
| R   | Blaaksedijk West 24 3274LE Heinenoord        | 0:00                    |                      |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht      | 2:36                    |                      |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord   | 2:07                    |                      |
| rA  | Steekkant 41 2993DB Barendrecht              | 0:00                    |                      |
| rB  | Steekkant 81 2993DB Barendrecht              | 0:00                    |                      |
| RB  | Boerengorzen 3 3274CV Heinenoord             | 5:35                    |                      |
| RC  | Kalesland 70 3274CH Heinenoord               | 3:04                    |                      |
| rC  | Koedood 14 2993AL Barendrecht                | 0:46                    |                      |
| rD  | Müllerhaven 40 2993EA Barendrecht            | 0:00                    |                      |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord       | 4:34                    |                      |
| rE  | Aalwater 11 2993DD Barendrecht               | 0:00                    |                      |
| RE  | Avenhil 28 3274CT Heinenoord                 | 4:30                    |                      |
| rF  | Smithaven 37 2993EC Barendrecht              | 0:00                    |                      |
| RF  | Oosteinde 22 3274KC Heinenoord               | 7:49                    |                      |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht       | 0:00                    |                      |
| RG  | Andries Woutershof 16 3274CA Heinenoord      | 2:32                    |                      |
| rH  | Aalwater 15 2993DD Barendrecht               | 0:00                    |                      |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord     | 6:48                    |                      |
| rI  | Steekkant 85 2993DB Barendrecht              | 0:00                    |                      |
| RI  | Emmastraat 34 3274AC Heinenoord              | 0:48                    |                      |
| rJ  | Zalmwater 141 2993DX Barendrecht             | 0:00                    |                      |
| RJ  | Oranjestraat 23 3274AK Heinenoord            | 1:00                    |                      |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord   | 6:53                    |                      |
| rK  | Smithaven 12 2993EC Barendrecht              | 0:00                    |                      |
| rL  | Steekkant 44 2993DB Barendrecht              | 0:00                    |                      |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord | 2:00                    |                      |
| RM  | Oranjestraat 17 3274AK Heinenoord            | 0:52                    |                      |
| rM  | Steekkant 4 2993DB Barendrecht               | 0:00                    |                      |
| RN  | Buitelanden 13 3274MB Heinenoord             | 7:20                    |                      |
| rN  | Van Hobokenhaven 37 2993HH Barendrecht       | 0:00                    |                      |
| RO  | Bernhardstraat 2 3274AB Heinenoord           | 0:53                    |                      |
| rO  | Van Hobokenhaven 19 2993HH Barendrecht       | 0:00                    |                      |
| RP  | Buitelanden 17 3274MB Heinenoord             | 7:13                    |                      |
| rP  | Calandhaven 1 2993HL Barendrecht             | 0:00                    |                      |
| rQ  | Koedood 22 2993AL Barendrecht                | 0:18                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| RQ  | Marijkestraat 1 C 3274AJ Heinenoord           | 0:51                                 |
| RR  | Irenestraat 40 3274AE Heinenoord              | 1:02                                 |
| rR  | Aalwater 2 2993DD Barendrecht                 | 0:00                                 |
| rS  | Stekkant 103 2993DB Barendrecht               | 0:00                                 |
| RS  | Bernhardstraat 16 3274AB Heinenoord           | 1:02                                 |
| RT  | Buitelanden 12 3274MB Heinenoord              | 8:07                                 |
| rT  | Aalwater 5 2993DD Barendrecht                 | 0:00                                 |
| rU  | Kröllerhaven 31 2993ED Barendrecht            | 0:00                                 |
| RU  | Wouter van den Walestr 26 3274CR Heinenoord   | 1:20                                 |
| rV  | Smithaven 53 2993EC Barendrecht               | 0:00                                 |
| RV  | Boerengorzen 9 3274CV Heinenoord              | 5:28                                 |
| rW  | Müllerhaven 30 2993EA Barendrecht             | 0:00                                 |
| RW  | Emmastraat 3 3274AC Heinenoord                | 0:54                                 |
| rX  | Swarttouwhaven 58 2993HP Barendrecht          | 0:00                                 |
| RX  | De Laagjes 2 3274CB Heinenoord                | 1:57                                 |
| rY  | Vederhaven 15 2993EB Barendrecht              | 0:00                                 |
| RY  | Koimansland 28 3274CJ Heinenoord              | 1:44                                 |
| rZ  | Smithaven 57 2993EC Barendrecht               | 0:00                                 |
| RZ  | Prof. Teldersstraat 31 3274MC Heinenoord      | 6:03                                 |
| S   | Reedijk 3 A 3274KE Heinenoord                 | 0:00                                 |
| •S  | Achterzeedijk 1 a 45 2991SB Barendrecht       | 2:45                                 |
| sA  | Swarttouwhaven 26 2993HP Barendrecht          | 0:00                                 |
| SA  | Wouter van den Walestr 18 3274CR Heinenoord   | 1:20                                 |
| SB  | Oranjestraat 15 3274AK Heinenoord             | 0:51                                 |
| sB  | Smithaven 29 2993EC Barendrecht               | 0:00                                 |
| SC  | Heyne van Althenastraat 26 3274CD Heinenoord  | 2:17                                 |
| sC  | Stekkant 145 2993DB Barendrecht               | 0:00                                 |
| SD  | Martin Luther Kingstraat 48 3274CL Heinenoord | 2:14                                 |
| sD  | Aalwater 3 2993DD Barendrecht                 | 0:00                                 |
| SE  | Willem de Zwijgerstraat 8 3274AL Heinenoord   | 0:41                                 |
| sE  | Zalmwater 153 2993DX Barendrecht              | 0:00                                 |
| SF  | John F. Kennedystraat 36 3274CG Heinenoord    | 5:50                                 |
| sF  | Vederhaven 17 2993EB Barendrecht              | 0:00                                 |
| SG  | Wouter van den Walestr 44 3274CS Heinenoord   | 1:23                                 |
| sG  | Swarttouwhaven 34 2993HP Barendrecht          | 0:00                                 |
| SH  | Wiardi Beckmanhof 12 3274CX Heinenoord        | 3:23                                 |
| sH  | Müllerhaven 76 2993EA Barendrecht             | 0:00                                 |
| SI  | Margrietstraat 14 3274AH Heinenoord           | 1:13                                 |
| sI  | Meeshaven 14 2993HN Barendrecht               | 0:00                                 |
| sJ  | Smithaven 20 2993EC Barendrecht               | 0:00                                 |
| SJ  | Prof. Teldersstraat 43 3274MC Heinenoord      | 6:23                                 |
| SK  | De Laagjes 18 3274CB Heinenoord               | 2:21                                 |
| sK  | Stekkant 123 2993DB Barendrecht               | 0:00                                 |
| SL  | Wouter van den Walestr 56 3274CS Heinenoord   | 1:20                                 |
| sL  | Stekkant 59 2993DB Barendrecht                | 0:00                                 |
| sM  | Stekkant 39 2993DB Barendrecht                | 0:00                                 |
| SM  | Zomerlandseweg 2 3274LX Heinenoord            | 6:52                                 |
| sN  | Müllerhaven 66 2993EA Barendrecht             | 0:00                                 |
| SN  | Spuivelden 21 3274CM Heinenoord               | 3:02                                 |
| sO  | Steurwater 7 2993DE Barendrecht               | 0:00                                 |
| SO  | Koimansland 36 3274CJ Heinenoord              | 1:53                                 |
| SP  | John F. Kennedystraat 7 3274CG Heinenoord     | 1:31                                 |
| sP  | Stekkant 155 2993DB Barendrecht               | 0:00                                 |
| sQ  | Meeshaven 8 2993HN Barendrecht                | 0:00                                 |
| SQ  | Hermannushof 24 3274CE Heinenoord             | 3:28                                 |
| sR  | Stekkant 27 2993DB Barendrecht                | 0:00                                 |
| SR  | Koimansland 11 3274CJ Heinenoord              | 2:00                                 |
| sS  | Aalwater 17 2993DD Barendrecht                | 0:00                                 |
| SS  | Hermannushof 26 3274CE Heinenoord             | 3:27                                 |
| sT  | Stekkant 119 2993DB Barendrecht               | 0:00                                 |
| ST  | Oosteinde 28 3274KC Heinenoord                | 6:11                                 |
| SU  | Irenestraat 21 3274AD Heinenoord              | 0:55                                 |
| sU  | Kröllerhaven 4 2993ED Barendrecht             | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                          | Name               | Shadow, expected values              |
|------------------------------|--------------------|--------------------------------------|
|                              |                    | Shadow hours<br>per year<br>[h/year] |
| sV Ruyshaven 9               | 2993HM Barendrecht | 0:00                                 |
| SV Bernhardstraat 12         | 3274AB Heinenoord  | 0:59                                 |
| SW Spuibedden 2              | 3274CM Heinenoord  | 2:59                                 |
| sW Spieringwater 6           | 2993DM Barendrecht | 0:00                                 |
| SX Emmastraat 26             | 3274AC Heinenoord  | 0:56                                 |
| sX Swarttouwhaven 28         | 2993HP Barendrecht | 0:00                                 |
| SY Rietwaard 1               | 3274MA Heinenoord  | 6:38                                 |
| sY Ruyshaven 11              | 2993HM Barendrecht | 0:00                                 |
| sZ Swarttouwhaven 66         | 2993HP Barendrecht | 0:00                                 |
| SZ John F. Kennedystraat 26  | 3274CG Heinenoord  | 5:17                                 |
| T Blaaksedijk West 43        | 3274LD Heinenoord  | 0:00                                 |
| •T Achterzeedijk 1 a 46      | 2991SB Barendrecht | 2:47                                 |
| tA Van Hobokenhaven 65       | 2993HH Barendrecht | 0:00                                 |
| TA Prof. Teldersstraat 15    | 3274CZ Heinenoord  | 5:01                                 |
| TB Wouter van den Walestr 12 | 3274CR Heinenoord  | 1:20                                 |
| tB Smithaven 31              | 2993EC Barendrecht | 0:00                                 |
| tC Steekkant 137             | 2993DB Barendrecht | 0:00                                 |
| TC Avenhil 24                | 3274CT Heinenoord  | 4:03                                 |
| tD Steekkant 105             | 2993DB Barendrecht | 0:00                                 |
| TD Prof. Teldersstraat 21    | 3274CZ Heinenoord  | 5:27                                 |
| TE De Laagjes 5              | 3274CB Heinenoord  | 2:01                                 |
| tE Zalmwater 133             | 2993DX Barendrecht | 0:00                                 |
| TF John F. Kennedystraat 57  | 3274CG Heinenoord  | 2:55                                 |
| tF Kröllerhaven 43           | 2993ED Barendrecht | 0:00                                 |
| tG Van Hobokenhaven 15       | 2993HH Barendrecht | 0:00                                 |
| TG Rietwaard 14              | 3274MA Heinenoord  | 6:21                                 |
| tH Steekkant 11              | 2993DB Barendrecht | 0:00                                 |
| TH Kooimansland 10           | 3274CJ Heinenoord  | 1:38                                 |
| TI Abraham Kuyperhof 7       | 3274CW Heinenoord  | 3:57                                 |
| ti Steekkant 67              | 2993DB Barendrecht | 0:00                                 |
| tj Steekkant 52              | 2993DB Barendrecht | 0:00                                 |
| TJ Kalesland 4               | 3274CH Heinenoord  | 2:03                                 |
| tK Müllerhaven 82            | 2993EA Barendrecht | 0:00                                 |
| TK Oranjestraat 20           | 3274AK Heinenoord  | 0:45                                 |
| tL Müllerhaven 34            | 2993EA Barendrecht | 0:00                                 |
| TL Dreeshof 2                | 3274CC Heinenoord  | 2:38                                 |
| TM Hermannushof 16           | 3274CE Heinenoord  | 3:11                                 |
| tM Steekkant 31              | 2993DB Barendrecht | 0:00                                 |
| TN Wiardi Beckmanhof 14      | 3274CX Heinenoord  | 3:39                                 |
| tN Vederhaven 1              | 2993EB Barendrecht | 0:00                                 |
| TO Wiardi Beckmanhof 2       | 3274CX Heinenoord  | 3:22                                 |
| tO Müllerhaven 50            | 2993EA Barendrecht | 0:00                                 |
| tP Koedood 4                 | 2993AL Barendrecht | 0:02                                 |
| TP Beatrixstraat 17          | 3274AA Heinenoord  | 0:45                                 |
| tQ Smithaven 49              | 2993EC Barendrecht | 0:00                                 |
| TQ John F. Kennedystraat 37  | 3274CG Heinenoord  | 2:10                                 |
| tR Koedood 2 a               | 2993AL Barendrecht | 0:00                                 |
| TR Oranjestraat 11 A         | 3274AK Heinenoord  | 0:43                                 |
| TS Spuibedden 5              | 3274CM Heinenoord  | 2:36                                 |
| tS Kröllerhaven 6            | 2993ED Barendrecht | 0:00                                 |
| TT Prof. Teldersstraat 4     | 3274MC Heinenoord  | 6:07                                 |
| tT Smithaven 22              | 2993EC Barendrecht | 0:00                                 |
| TU Dorpsstraat 32            | 3274BD Heinenoord  | 0:51                                 |
| tU Steekkant 121             | 2993DB Barendrecht | 0:00                                 |
| tV Steekkant 135             | 2993DB Barendrecht | 0:00                                 |
| TV Prof. Teldersstraat 12    | 3274MC Heinenoord  | 6:01                                 |
| TW Marijkestraat 5           | 3274AJ Heinenoord  | 0:57                                 |
| tW Steekkant 113             | 2993DB Barendrecht | 0:00                                 |
| tX Smithaven 55              | 2993EC Barendrecht | 0:00                                 |
| TX Kalesland 9               | 3274CH Heinenoord  | 2:22                                 |
| TY Boerengorzen 11           | 3274CV Heinenoord  | 5:26                                 |
| tY Steekkant 56              | 2993DB Barendrecht | 0:00                                 |
| TZ Irenestraat 18            | 3274AE Heinenoord  | 0:59                                 |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name                 | Shadow, expected values              |
|--------------------------------|----------------------|--------------------------------------|
|                                |                      | Shadow hours<br>per year<br>[h/year] |
| tZ Smithaven 45 2993EC         | Barendrecht          | 0:00                                 |
| U Blaaksedijk West 29          | 3274LD Heinenoord    | 0:00                                 |
| •U Achterzeedijk 1 a 47        | 2991SB Barendrecht   | 2:55                                 |
| uA Müllerhaven 16              | 2993EA Barendrecht   | 0:00                                 |
| UA Wouter van den Walestr      | 64 3274CS Heinenoord | 1:25                                 |
| UB Avenhil 35                  | 3274CT Heinenoord    | 4:37                                 |
| uB Swarttouwhaven 68           | 2993HP Barendrecht   | 0:00                                 |
| UC Beatrixstraat 29            | 3274AA Heinenoord    | 0:44                                 |
| uC Steekkant 30                | 2993DB Barendrecht   | 0:00                                 |
| uD Steekkant 38                | 2993DB Barendrecht   | 0:00                                 |
| UD Wiardi Beckmanhof 3         | 3274CX Heinenoord    | 3:23                                 |
| UE Martin Luther Kingstraat 2  | 3274CK Heinenoord    | 1:24                                 |
| uE Meeshaven 3                 | 2993HN Barendrecht   | 0:00                                 |
| UF Rietwaard 7                 | 3274MA Heinenoord    | 6:55                                 |
| uF Van Hobokenhaven 51         | 2993HH Barendrecht   | 0:00                                 |
| uG Steekkant 42                | 2993DB Barendrecht   | 0:00                                 |
| UG Dorpsstraat 9               | 3274BB Heinenoord    | 1:41                                 |
| UH Oranjestraat 13             | 3274AK Heinenoord    | 0:50                                 |
| uH Meeshaven 1                 | 2993HN Barendrecht   | 0:00                                 |
| ul Steekkant 69                | 2993DB Barendrecht   | 0:00                                 |
| UI Avenhil 4                   | 3274CT Heinenoord    | 3:39                                 |
| UJ De Laagjes 15               | 3274CB Heinenoord    | 2:19                                 |
| uj Aalwater 22                 | 2993DD Barendrecht   | 0:00                                 |
| UK Bernhardstraat 8            | 3274AB Heinenoord    | 0:57                                 |
| uK Steekkant 29                | 2993DB Barendrecht   | 0:00                                 |
| uL Steurwater 9                | 2993DE Barendrecht   | 0:00                                 |
| UL Margrietstraat 13           | 3274AH Heinenoord    | 1:06                                 |
| uM Smithaven 47                | 2993EC Barendrecht   | 0:00                                 |
| UM Irenestraat 15              | 3274AD Heinenoord    | 0:54                                 |
| uN Meeshaven 12                | 2993HN Barendrecht   | 0:00                                 |
| UN Rietwaard 26                | 3274MA Heinenoord    | 10:53                                |
| uO Meeshaven 15                | 2993HN Barendrecht   | 0:00                                 |
| UO Avenhil 42                  | 3274CT Heinenoord    | 4:24                                 |
| uP Steekkant 117               | 2993DB Barendrecht   | 0:00                                 |
| UP Dreeshof 10                 | 3274CC Heinenoord    | 2:36                                 |
| uQ Steekkant 36                | 2993DB Barendrecht   | 0:00                                 |
| UQ Oosteinde 20                | 3274KC Heinenoord    | 8:07                                 |
| uR Calandhaven 7               | 2993HL Barendrecht   | 0:00                                 |
| UR John F. Kennedystraat 69    | 3274CG Heinenoord    | 4:38                                 |
| US De Laagjes 30               | 3274CB Heinenoord    | 2:41                                 |
| uS Calandhaven 5               | 2993HL Barendrecht   | 0:00                                 |
| UT Martin Luther Kingstraat 8  | 3274CK Heinenoord    | 1:23                                 |
| uT Van Hobokenhaven 55         | 2993HH Barendrecht   | 0:00                                 |
| UU Wiardi Beckmanhof 16        | 3274CX Heinenoord    | 3:46                                 |
| uU Kröllerhaven 25             | 2993ED Barendrecht   | 0:00                                 |
| uV Kröllerhaven 8              | 2993ED Barendrecht   | 0:00                                 |
| UV Thorbeckehof 9              | 3274CP Heinenoord    | 2:50                                 |
| uW Van Hobokenhaven 31         | 2993HH Barendrecht   | 0:00                                 |
| UW Emmastraat 24               | 3274AC Heinenoord    | 1:12                                 |
| UX John F. Kennedystraat 71    | 3274CG Heinenoord    | 4:46                                 |
| uX Steekkant 125               | 2993DB Barendrecht   | 0:00                                 |
| UY Avenhil 7                   | 3274CT Heinenoord    | 3:20                                 |
| uY Steekkant 157               | 2993DB Barendrecht   | 0:00                                 |
| UZ Irenestraat 34              | 3274AE Heinenoord    | 1:08                                 |
| uZ Steekkant 43                | 2993DB Barendrecht   | 0:00                                 |
| V Blaaksedijk West 25          | 3274LD Heinenoord    | 0:00                                 |
| •V Achterzeedijk 1 a 48        | 2991SB Barendrecht   | 2:56                                 |
| vA Swarttouwhaven 22           | 2993HP Barendrecht   | 0:00                                 |
| VA Martin Luther Kingstraat 12 | 3274CK Heinenoord    | 1:32                                 |
| vB Aalwater 6                  | 2993DD Barendrecht   | 0:00                                 |
| VB Buitelanden 2               | 3274MB Heinenoord    | 9:39                                 |
| vc Steekkant 49                | 2993DB Barendrecht   | 0:00                                 |
| VC Abraham Kuyperhof 1         | 3274CW Heinenoord    | 4:11                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.                            | Name               | Shadow, expected values |                      |
|--------------------------------|--------------------|-------------------------|----------------------|
|                                |                    | Shadow hours            | per year<br>[h/year] |
| vD Steekkant 141               | 2993DB Barendrecht | 0:00                    |                      |
| VD Kalesland 76                | 3274CH Heinenoord  | 2:55                    |                      |
| vE Meeshaven 6                 | 2993HN Barendrecht | 0:00                    |                      |
| VE Dreeshof 6                  | 3274CC Heinenoord  | 2:37                    |                      |
| VF John F. Kennedystraat 73    | 3274CG Heinenoord  | 4:48                    |                      |
| vF Meeshaven 10                | 2993HN Barendrecht | 0:00                    |                      |
| VG Dreeshof 7                  | 3274CC Heinenoord  | 2:10                    |                      |
| vG Meeshaven 16                | 2993HN Barendrecht | 0:00                    |                      |
| vH Müllerhaven 78              | 2993EA Barendrecht | 0:00                    |                      |
| VH Dorpsstraat 3               | 3274BB Heinenoord  | 2:09                    |                      |
| vi Steekkant 3                 | 2993DB Barendrecht | 0:00                    |                      |
| VI Beatrixstraat 46            | 3274AA Heinenoord  | 0:48                    |                      |
| VJ Oranjestraat 24             | 3274AK Heinenoord  | 0:48                    |                      |
| vJ Steekkant 8                 | 2993DB Barendrecht | 0:00                    |                      |
| vK Steekkant 65                | 2993DB Barendrecht | 0:00                    |                      |
| VK Avenhil 21                  | 3274CT Heinenoord  | 4:11                    |                      |
| VL Müllerhaven 20              | 2993EA Barendrecht | 0:00                    |                      |
| VL Irenestraat 42              | 3274AE Heinenoord  | 1:03                    |                      |
| VM Kröllerhaven 17             | 2993ED Barendrecht | 0:00                    |                      |
| VM Irenestraat 5               | 3274AD Heinenoord  | 0:54                    |                      |
| vN Steurwater 3                | 2993DE Barendrecht | 0:00                    |                      |
| VN Prof. Teldersstraat 53      | 3274MC Heinenoord  | 6:36                    |                      |
| vO Steekkant 97                | 2993DB Barendrecht | 0:00                    |                      |
| VO Wouter van den Walestr 38   | 3274CS Heinenoord  | 1:20                    |                      |
| VP Martin Luther Kingstraat 22 | 3274CK Heinenoord  | 1:40                    |                      |
| vP Vederhaven 9                | 2993EB Barendrecht | 0:00                    |                      |
| vQ Müllerhaven 2               | 2993EA Barendrecht | 0:00                    |                      |
| VO Avenhil 33                  | 3274CT Heinenoord  | 4:43                    |                      |
| vR Vederhaven 19               | 2993EB Barendrecht | 0:00                    |                      |
| VR Oosteinde 4                 | 3274KC Heinenoord  | 9:46                    |                      |
| VS Buitenlanden 3              | 3274MB Heinenoord  | 8:05                    |                      |
| vS Smithaven 41                | 2993EC Barendrecht | 0:00                    |                      |
| VT Martin Luther Kingstraat 64 | 3274CL Heinenoord  | 2:44                    |                      |
| vT Van Hobokenhaven 29         | 2993HH Barendrecht | 0:00                    |                      |
| VU Buitenlanden 15             | 3274MB Heinenoord  | 7:16                    |                      |
| vU Zalmwater 147               | 2993DX Barendrecht | 0:00                    |                      |
| vV Swarttouwhaven 64           | 2993HP Barendrecht | 0:00                    |                      |
| VV Rietwaard 8                 | 3274MA Heinenoord  | 6:21                    |                      |
| VW Martin Luther Kingstraat 42 | 3274CL Heinenoord  | 2:06                    |                      |
| vW Aalwater 12                 | 2993DD Barendrecht | 0:00                    |                      |
| vX Kröllerhaven 55             | 2993ED Barendrecht | 0:00                    |                      |
| VX De Laagjes 10               | 3274CB Heinenoord  | 2:04                    |                      |
| vY Meeshaven 13                | 2993HN Barendrecht | 0:00                    |                      |
| VY Martin Luther Kingstraat 16 | 3274CK Heinenoord  | 1:35                    |                      |
| vZ Meeshaven 11                | 2993HN Barendrecht | 0:00                    |                      |
| VZ Wouter van den Walestr 78   | 3274CS Heinenoord  | 1:21                    |                      |
| W Blaaksedijk West 30          | 3274LE Heinenoord  | 0:00                    |                      |
| •W Achterzeedijk 1 a 49        | 2991SB Barendrecht | 3:23                    |                      |
| WA Marijkestraat 12            | 3274AJ Heinenoord  | 1:17                    |                      |
| wA Koedood 20                  | 2993AL Barendrecht | 0:27                    |                      |
| WB Wouter van den Walestr 16   | 3274CR Heinenoord  | 1:18                    |                      |
| wB Zalmwater 145               | 2993DX Barendrecht | 0:00                    |                      |
| WC Talmahof 10                 | 3274CN Heinenoord  | 1:59                    |                      |
| wC Zalmwater 149               | 2993DX Barendrecht | 0:00                    |                      |
| WD Beatrixstraat 27            | 3274AA Heinenoord  | 0:44                    |                      |
| wD Kröllerhaven 49             | 2993ED Barendrecht | 0:00                    |                      |
| wE Zalmwater 135               | 2993DX Barendrecht | 0:00                    |                      |
| WE Oosteinde 18                | 3274KC Heinenoord  | 8:44                    |                      |
| WF Spuibelden 11               | 3274CM Heinenoord  | 2:33                    |                      |
| wF Steekkant 26                | 2993DB Barendrecht | 0:00                    |                      |
| WG Avenhil 17                  | 3274CT Heinenoord  | 3:35                    |                      |
| wG Steekkant 46                | 2993DB Barendrecht | 0:00                    |                      |
| WH Oosteinde 33                | 3274KB Heinenoord  | 7:48                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 23:32/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| wH Koedood 23 2993AL Barendrecht                 | 0:00 |                                      |
| WI Avenhil 39 3274CT Heinenoord                  | 4:59 |                                      |
| wI Meeshaven 17 2993HN Barendrecht               | 0:00 |                                      |
| wJ Swarttouwhaven 2 2993HP Barendrecht           | 0:00 |                                      |
| WJ Dorpsstraat 26 3274BD Heinenoord              | 0:56 |                                      |
| wK Steekkant 165 2993DB Barendrecht              | 0:00 |                                      |
| WK Prof. Teldersstraat 25 3274CZ Heinenoord      | 5:31 |                                      |
| wL Meeshaven 4 2993HN Barendrecht                | 0:00 |                                      |
| WL Kooimansland 24 3274CJ Heinenoord             | 1:40 |                                      |
| wM Meeshaven 9 2993HN Barendrecht                | 0:00 |                                      |
| WM De Laagjes 1 3274CB Heinenoord                | 1:58 |                                      |
| WN Hermannushof 8 3274CE Heinenoord              | 2:56 |                                      |
| wN Vederhaven 5 2993EB Barendrecht               | 0:00 |                                      |
| wO Koedood 27 2993AL Barendrecht                 | 0:00 |                                      |
| WO Bernhardstraat 7 3274AB Heinenoord            | 0:50 |                                      |
| wP Swarttouwhaven 4 2993HP Barendrecht           | 0:00 |                                      |
| WP Andries Woutershof 4 3274CA Heinenoord        | 2:13 |                                      |
| WQ Bernhardstraat 18 3274AB Heinenoord           | 1:05 |                                      |
| wQ Swarttouwhaven 6 2993HP Barendrecht           | 0:00 |                                      |
| wR Kröllerhaven 10 2993ED Barendrecht            | 0:00 |                                      |
| WR Spuivelden 19 3274CM Heinenoord               | 3:03 |                                      |
| wS Smithaven 24 2993EC Barendrecht               | 0:00 |                                      |
| WS Kalesland 40 3274CH Heinenoord                | 2:33 |                                      |
| WT Irenestraat 24 3274AE Heinenoord              | 1:01 |                                      |
| wT Kröllerhaven 45 2993ED Barendrecht            | 0:00 |                                      |
| WU Kalesland 30 3274CH Heinenoord                | 2:29 |                                      |
| wU Smithaven 16 2993EC Barendrecht               | 0:00 |                                      |
| WV Kalesland 42 3274CH Heinenoord                | 2:37 |                                      |
| wV Steekkant 151 2993DB Barendrecht              | 0:00 |                                      |
| WW De Laagjes 36 3274CB Heinenoord               | 2:50 |                                      |
| wW Kröllerhaven 35 2993ED Barendrecht            | 0:00 |                                      |
| WX Martin Luther Kingstraat 28 3274CK Heinenoord | 1:50 |                                      |
| wX Steekkant 58 2993DB Barendrecht               | 0:00 |                                      |
| WY Prof. Teldersstraat 45 3274MC Heinenoord      | 6:24 |                                      |
| wY Ruyshaven 1 2993HM Barendrecht                | 0:00 |                                      |
| wZ Zalmwater 137 2993DX Barendrecht              | 0:00 |                                      |
| WZ Oranjestraat 28 3274AK Heinenoord             | 0:51 |                                      |
| X Reedijk 4 3274KE Heinenoord                    | 0:00 |                                      |
| *X Achterzeedijk 1 a 50 2991SB Barendrecht       | 3:12 |                                      |
| XA John F. Kennedystraat 75 3274CG Heinenoord    | 4:53 |                                      |
| xA Müllerhaven 38 2993EA Barendrecht             | 0:00 |                                      |
| xB Steekkant 18 2993DB Barendrecht               | 0:00 |                                      |
| XB Thorbeckehof 7 3274CP Heinenoord              | 2:52 |                                      |
| xC Steekkant 21 2993DB Barendrecht               | 0:00 |                                      |
| XC Abraham Kuyperhof 13 3274CW Heinenoord        | 4:29 |                                      |
| xD Vederhaven 13 2993EB Barendrecht              | 0:00 |                                      |
| XD John F. Kennedystraat 51 3274CG Heinenoord    | 2:44 |                                      |
| xE Van Hobokenhaven 17 2993HH Barendrecht        | 0:00 |                                      |
| XE John F. Kennedystraat 17 3274CG Heinenoord    | 1:38 |                                      |
| xF Kabbelkant 12 2993DC Barendrecht              | 0:00 |                                      |
| XF Oranjestraat 21 3274AK Heinenoord             | 0:59 |                                      |
| xG Müllerhaven 14 2993EA Barendrecht             | 0:00 |                                      |
| XG Avenhil 38 3274CT Heinenoord                  | 4:53 |                                      |
| xH Steekkant 71 2993DB Barendrecht               | 0:00 |                                      |
| XH De Laagjes 14 3274CB Heinenoord               | 2:16 |                                      |
| XI Emmastraat 9 3274AC Heinenoord                | 1:00 |                                      |
| xi Swarttouwhaven 50 2993HP Barendrecht          | 0:00 |                                      |
| XJ Abraham Kuyperhof 4 3274CW Heinenoord         | 4:08 |                                      |
| xJ Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| xK Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| KK Boerengorzen 6 3274CV Heinenoord              | 4:58 |                                      |
| XL Kalesland 17 3274CH Heinenoord                | 2:34 |                                      |
| xL Weekant 60 2993DA Barendrecht                 | 0:00 |                                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| xM  | Spieringwater 1 2993DM Barendrecht            | 0:00                                 |
| XM  | Julianalaan 36 3274AG Heinenoord              | 0:40                                 |
| xN  | Weerkant 134 2993DA Barendrecht               | 0:00                                 |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 0:48                                 |
| xO  | Harderwater 78 2993DW Barendrecht             | 0:00                                 |
| XO  | Talmahof 3 3274CN Heinenoord                  | 1:42                                 |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 1:58                                 |
| xP  | Harderwater 76 2993DW Barendrecht             | 0:00                                 |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 2:26                                 |
| xQ  | Weerkant 17 2993DA Barendrecht                | 0:00                                 |
| xR  | Kuilkant 167 2993DV Barendrecht               | 0:00                                 |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 1:13                                 |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 0:49                                 |
| xS  | Weerkant 38 2993DA Barendrecht                | 0:00                                 |
| xt  | Weerkant 14 2993DA Barendrecht                | 0:00                                 |
| XT  | Hermannushof 20 3274CE Heinenoord             | 3:34                                 |
| xU  | Weerkant 132 2993DA Barendrecht               | 0:00                                 |
| XU  | Kalesland 50 3274CH Heinenoord                | 2:46                                 |
| xV  | Weerkant 19 2993DA Barendrecht                | 0:00                                 |
| XV  | Buitenlanden 6 3274MB Heinenoord              | 8:46                                 |
| xW  | Avenhil 1 3274CT Heinenoord                   | 3:45                                 |
| xW  | Harderwater 80 2993DW Barendrecht             | 0:00                                 |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 1:04                                 |
| xX  | Weerkant 12 2993DA Barendrecht                | 0:00                                 |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 4:38                                 |
| xY  | Zalmwater 115 2993DX Barendrecht              | 0:00                                 |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 4:28                                 |
| xZ  | Weerkant 112 2993DA Barendrecht               | 0:00                                 |
| Y   | Blaakseindijk West 35 3274LD Heinenoord       | 0:00                                 |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 3:08                                 |
| yA  | Weerkant 76 2993DA Barendrecht                | 0:00                                 |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 0:50                                 |
| yB  | Weerkant 100 2993DA Barendrecht               | 0:00                                 |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 1:12                                 |
| YC  | De Laagjes 6 3274CB Heinenoord                | 1:59                                 |
| yC  | Weerkant 92 2993DA Barendrecht                | 0:00                                 |
| YD  | Rietwaard 16 3274MA Heinenoord                | 6:13                                 |
| yD  | Weerkant 6 2993DA Barendrecht                 | 0:00                                 |
| YE  | De Laagjes 3 3274CB Heinenoord                | 1:59                                 |
| yE  | Weerkant 46 2993DA Barendrecht                | 0:00                                 |
| yF  | Weerkant 18 2993DA Barendrecht                | 0:00                                 |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 4:42                                 |
| yG  | Weerkant 64 2993DA Barendrecht                | 0:00                                 |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 1:12                                 |
| yH  | Weerkant 118 2993DA Barendrecht               | 0:00                                 |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 1:20                                 |
| yI  | Harderwater 49 2993DW Barendrecht             | 0:00                                 |
| YI  | Avenhil 8 3274CT Heinenoord                   | 3:22                                 |
| yJ  | Weerkant 94 2993DA Barendrecht                | 0:00                                 |
| YJ  | Kalesland 66 3274CH Heinenoord                | 3:05                                 |
| yK  | Weerkant 1 2993DA Barendrecht                 | 0:00                                 |
| YK  | Kalesland 2 3274CH Heinenoord                 | 2:02                                 |
| YL  | Zalmwater 125 2993DX Barendrecht              | 0:00                                 |
| YL  | Koomansland 3 3274CJ Heinenoord               | 1:51                                 |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 2:36                                 |
| yM  | Weerkant 114 2993DA Barendrecht               | 0:00                                 |
| yN  | Weerkant 20 2993DA Barendrecht                | 0:00                                 |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 6:53                                 |
| yO  | Weerkant 138 2993DA Barendrecht               | 0:00                                 |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 0:44                                 |
| YP  | Kalesland 60 3274CH Heinenoord                | 3:02                                 |
| yP  | Weerkant 48 2993DA Barendrecht                | 0:00                                 |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| YQ  | Julianalaan 44 3274AG Heinenoord              | 0:38                    |                      |
| yR  | Weerkant 24 2993DA Barendrecht                | 0:00                    |                      |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 4:05                    |                      |
| YS  | Rietwaard 19 3274MA Heinenoord                | 8:25                    |                      |
| yS  | Spieringwater 13 2993DM Barendrecht           | 0:00                    |                      |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 1:20                    |                      |
| yT  | Weerkant 62 2993DA Barendrecht                | 0:00                    |                      |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 1:06                    |                      |
| yU  | Weerkant 146 2993DA Barendrecht               | 0:00                    |                      |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 4:05                    |                      |
| yV  | Weerkant 82 2993DA Barendrecht                | 0:00                    |                      |
| yW  | Spieringwater 9 2993DM Barendrecht            | 0:00                    |                      |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 2:53                    |                      |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 0:43                    |                      |
| yX  | Weerkant 136 2993DA Barendrecht               | 0:00                    |                      |
| yY  | Weerkant 158 2993DA Barendrecht               | 0:00                    |                      |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 2:13                    |                      |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 2:48                    |                      |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 0:00                    |                      |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 0:00                    |                      |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 3:08                    |                      |
| zA  | Weerkant 86 2993DA Barendrecht                | 0:00                    |                      |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 1:37                    |                      |
| zB  | Weerkant 32 2993DA Barendrecht                | 0:00                    |                      |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 0:53                    |                      |
| zC  | Spieringwater 5 2993DM Barendrecht            | 0:00                    |                      |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 6:07                    |                      |
| ZD  | Kalesland 34 3274CH Heinenoord                | 2:27                    |                      |
| zD  | Weerkant 126 2993DA Barendrecht               | 0:00                    |                      |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 3:14                    |                      |
| zE  | Weerkant 30 2993DA Barendrecht                | 0:00                    |                      |
| zF  | Weerkant 104 2993DA Barendrecht               | 0:00                    |                      |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 6:34                    |                      |
| zG  | Weerkant 70 2993DA Barendrecht                | 0:00                    |                      |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 4:23                    |                      |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 3:22                    |                      |
| zH  | Weerkant 10 2993DA Barendrecht                | 0:00                    |                      |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 3:42                    |                      |
| zI  | Weerkant 33 2993DA Barendrecht                | 0:00                    |                      |
| zJ  | Weerkant 26 2993DA Barendrecht                | 0:00                    |                      |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 0:48                    |                      |
| zK  | Weerkant 130 2993DA Barendrecht               | 0:00                    |                      |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 0:54                    |                      |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 1:22                    |                      |
| zL  | Weerkant 4 2993DA Barendrecht                 | 0:00                    |                      |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 3:45                    |                      |
| zM  | Weerkant 68 2993DA Barendrecht                | 0:00                    |                      |
| zN  | Weerkant 96 2993DA Barendrecht                | 0:00                    |                      |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 2:00                    |                      |
| zO  | Weerkant 34 2993DA Barendrecht                | 0:00                    |                      |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 1:20                    |                      |
| zP  | Weerkant 31 2993DA Barendrecht                | 0:00                    |                      |
| ZP  | Koimansland 7 3274CJ Heinenoord               | 1:51                    |                      |
| zQ  | Weerkant 148 2993DA Barendrecht               | 0:00                    |                      |
| ZQ  | Talmahof 5 3274CN Heinenoord                  | 1:40                    |                      |
| ZR  | Irenestraat 14 3274AE Heinenoord              | 0:59                    |                      |
| zR  | Weerkant 144 2993DA Barendrecht               | 0:00                    |                      |
| zS  | Weerkant 116 2993DA Barendrecht               | 0:00                    |                      |
| ZS  | Oosteinde 26 3274KC Heinenoord                | 6:53                    |                      |
| ZT  | John F. Kennedystraat 25 3274CG Heinenoord    | 1:48                    |                      |
| zT  | Spieringwater 11 2993DM Barendrecht           | 0:00                    |                      |
| zU  | Weerkant 140 2993DA Barendrecht               | 0:00                    |                      |
| ZU  | Wouter van den Walestr 58 3274CS Heinenoord   | 1:22                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 23:32/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 2c

...continued from previous page

| No. | Name   | Shadow, expected values  |          |
|-----|--|--------------------------|----------|
|     |  | Shadow hours<br>per year | [h/year] |
|     | zV Weerkant 42 2993DA Barendrecht              | 0:00                     |          |
|     | ZV Margrietstraat 16 3274AH Heinenoord         | 1:13                     |          |
|     | ZW Bernhardstraat 1 A 3274AB Heinenoord        | 0:49                     |          |
|     | zW Weerkant 122 2993DA Barendrecht             | 0:00                     |          |
|     | zX Weerkant 168 2993DA Barendrecht             | 0:00                     |          |
|     | ZX De Laagjes 13 3274CB Heinenoord             | 2:19                     |          |
|     | ZY Marijkestraat 3 3274AJ Heinenoord           | 0:55                     |          |
|     | ZY Weerkant 80 2993DA Barendrecht              | 0:00                     |          |
|     | ZZ Wouter van den Walestr 46 3274CS Heinenoord | 1:24                     |          |
|     | zZ Weerkant 106 2993DA Barendrecht             | 0:00                     |          |

Total amount of flickering on the shadow receptors caused by each WTG

| No. | Name  | Worst case<br>[h/year] | Expected<br>[h/year] |
|-----|---|------------------------|----------------------|
| 1   | SENVION 3.4M140 3400 140.0 !O! hub: 130,0 m (TOT: 200,0 m) (39) | 103:10                 | 27:35                |
| 2   | SENVION 3.4M140 3400 140.0 !O! hub: 130,0 m (TOT: 200,0 m) (40) | 95:03                  | 22:57                |
| 3   | SENVION 3.4M140 3400 140.0 !O! hub: 130,0 m (TOT: 200,0 m) (41) | 141:06                 | 28:37                |
| 4   | SENVION 3.4M140 3400 140.0 !O! hub: 130,0 m (TOT: 200,0 m) (42) | 137:13                 | 23:29                |
| 5   | SENVION 3.4M140 3400 140.0 !O! hub: 130,0 m (TOT: 200,0 m) (43) | 215:43                 | 44:12                |

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

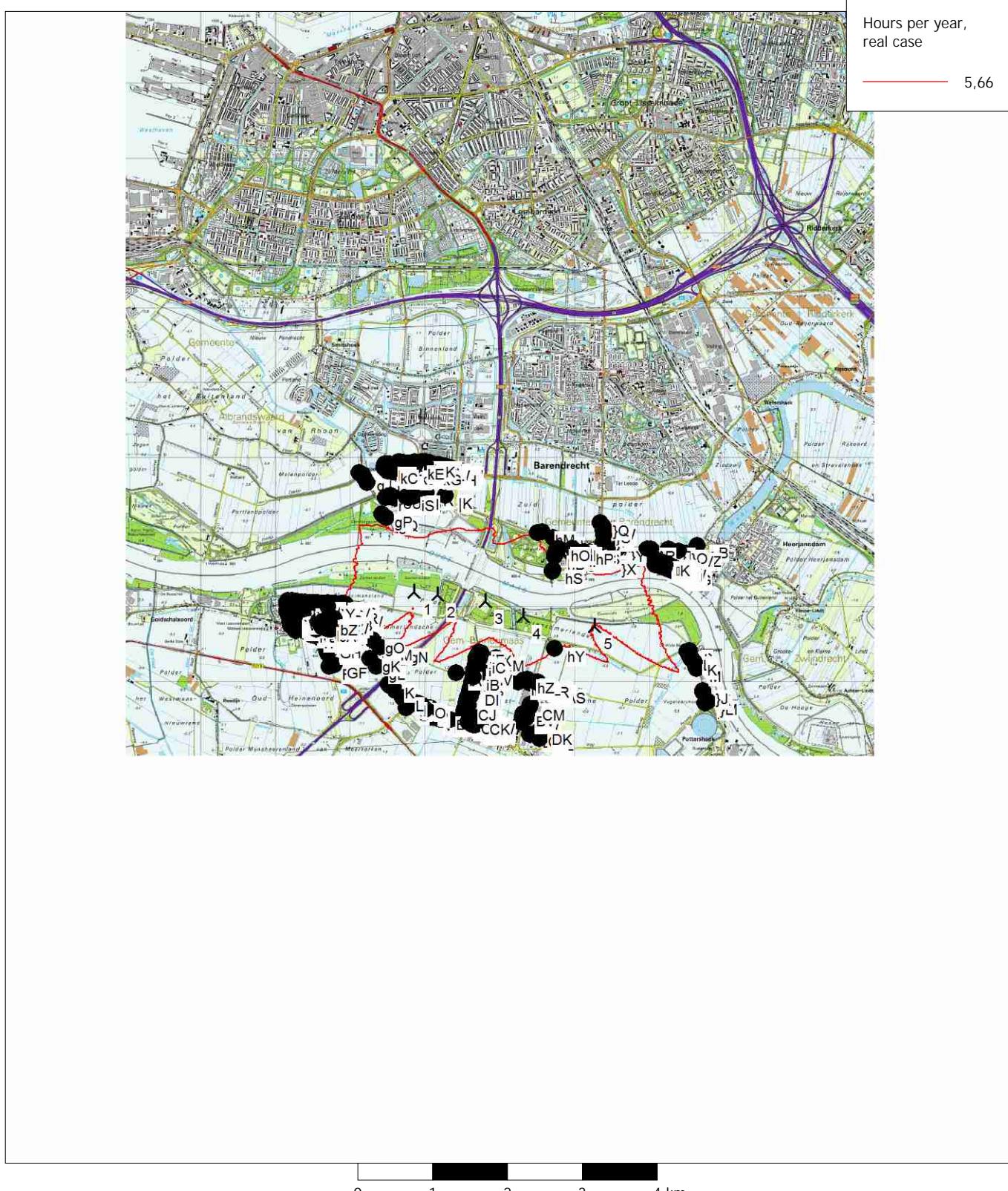
Opstelling 2c

Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
20-12-2016 23:32/3.0.654

## SHADOW - Map

Calculation: Windpark Binnenmaas Opstelling 2c



Map: Bitmap map: 37H\_Rotterdam\_2004.tif , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2000 East: 94.840 North: 427.040

>New WTG      Shadow receptor

Flicker map level: 0 m above sea level

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

### Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

5 °

Day step for calculation

1 days

Time step for calculation

1 minutes

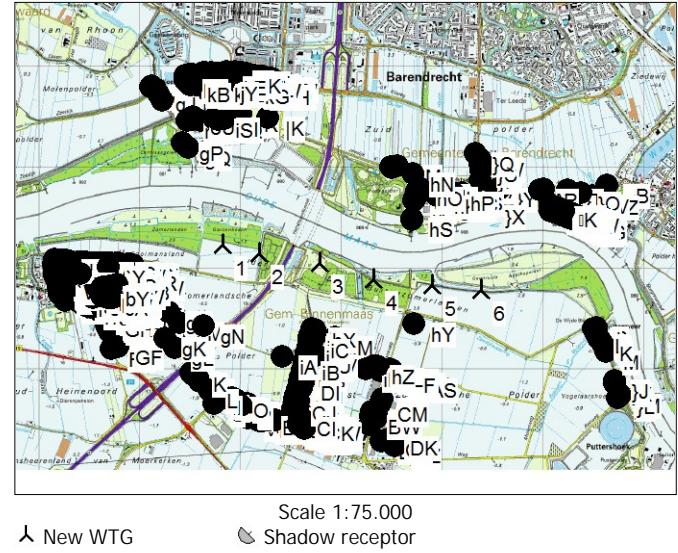
Sunshine probability S (Average daily sunshine hours) []

| Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 2,39 | 3,03 | 4,59 | 6,77 | 7,13 | 7,63 | 7,07 | 6,03 | 5,25 | 3,91 | 2,07 | 1,80 |

Operational time

| N   | NNE | ENE | E   | ESE | SSE | S     | SSW   | WSW   | W   | NNW | NNW | Sum   |
|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-------|
| 521 | 607 | 604 | 415 | 381 | 628 | 1.003 | 1.019 | 1.085 | 799 | 637 | 717 | 8.416 |

Idle start wind speed: Cut in wind speed from power curve

All coordinates are in  
Dutch Stereo-RD/NAP 2000

### WTGs

| X<br>(east)<br>[m] | Y<br>(north)<br>[m] | Z       | Row data/Description                           | WTG type |                 |                | Power,<br>rated<br>[kW] | Rotor<br>diameter<br>[m] | Hub<br>height<br>[m] | Shadow data<br>Calculation<br>distance<br>[m] | RPM<br>[RPM] |
|--------------------|---------------------|---------|--|----------|-----------------|----------------|-------------------------|--------------------------|----------------------|---|--------------|
|                    |                     |         |  | Valid    | Manufact.       | Type-generator |                         |                          |                      |   |              |
| 1                  | 93.824              | 427.226 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... Yes | NORDEX   | N117/3000-3.000 | 3.000          | 116,8                   | 100,0                    | 1.489                | 12,6  |              |
| 2                  | 94.181              | 427.141 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... Yes | NORDEX   | N117/3000-3.000 | 3.000          | 116,8                   | 100,0                    | 1.489                | 12,6  |              |
| 3                  | 94.782              | 427.047 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... Yes | NORDEX   | N117/3000-3.000 | 3.000          | 116,8                   | 100,0                    | 1.489                | 12,6  |              |
| 4                  | 95.323              | 426.883 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... Yes | NORDEX   | N117/3000-3.000 | 3.000          | 116,8                   | 100,0                    | 1.489                | 12,6  |              |
| 5                  | 95.904              | 426.824 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... Yes | NORDEX   | N117/3000-3.000 | 3.000          | 116,8                   | 100,0                    | 1.489                | 12,6  |              |
| 6                  | 96.386              | 426.779 | 0,0 NORDEX N117/3000 3000 116.8 !O! hub... Yes | NORDEX   | N117/3000-3.000 | 3.000          | 116,8                   | 100,0                    | 1.489                | 12,6  |              |

### Shadow receptor-Input

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window<br>cw | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------------|--------------------|
| [A  | Kalesland 11 3274CH Heinenoord                | 92.554   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [B  | Prof. Teldersstraat 39 3274MC Heinenoord      | 92.851   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [C  | Bernhardstraat 1 C 3274AB Heinenoord          | 92.194   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [D  | Wiardi Beckmanhof 17 3274CX Heinenoord        | 92.701   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [E  | Abraham Kuyperhof 15 3274CW Heinenoord        | 92.765   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [F  | Margrietstraat 4 3274AH Heinenoord            | 92.287   | 426.838   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [G  | Wiardi Beckmanhof 6 3274CX Heinenoord         | 92.663   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [H  | Rietwaard 9 3274MA Heinenoord                 | 92.843   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [I  | Kalesland 20 3274CH Heinenoord                | 92.504   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [J  | Rietwaard 11 3274MA Heinenoord                | 92.852   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [K  | Buitenlanden 14 3274MB Heinenoord             | 92.936   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [L  | Abraham Kuyperhof 11 3274CW Heinenoord        | 92.766   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [M  | John F. Kennedystraat 29 3274CG Heinenoord    | 92.484   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [N  | Marijkestraat 19 3274AJ Heinenoord            | 92.322   | 427.058   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [O  | Avenhil 41 3274CT Heinenoord                  | 92.704   | 426.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [P  | Oosteinde 35 3274KB Heinenoord                | 92.706   | 426.617   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [Q  | Martin Luther Kingstraat 26 3274CK Heinenoord | 92.473   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [R  | Oranjestraat 27 3274AK Heinenoord             | 92.272   | 426.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [S  | John F. Kennedystraat 8 3274CG Heinenoord     | 92.673   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [T  | Emmastraat 14 3274AC Heinenoord               | 92.274   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [U  | Irenestraat 23 3274AD Heinenoord              | 92.246   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [V  | Spuivelden 3 3274CM Heinenoord                | 92.529   | 426.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [W  | Beatrixstraat 42 3274AA Heinenoord            | 92.208   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [X  | Buitenlanden 7 3274MB Heinenoord              | 92.888   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [Y  | Koelmansland 38 3274CJ Heinenoord             | 92.445   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |
| [Z] | Kalesland 16 3274CH Heinenoord                | 92.492   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0                     | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| \A  | Kalesland 8 3274CH Heinenoord                 | 92.480   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \B  | Talmahof 1 3274CN Heinenoord                  | 92.433   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \C  | Koimansland 17 3274CJ Heinenoord              | 92.481   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \D  | Irenestraat 22 3274AE Heinenoord              | 92.266   | 426.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \E  | John F. Kennedystraat 65 3274CG Heinenoord    | 92.703   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \F  | Spuibelden 10 3274CM Heinenoord               | 92.582   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \G  | Thorbeckehof 5 3274CP Heinenoord              | 92.607   | 426.997   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \H  | Spuibelden 6 3274CM Heinenoord                | 92.571   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \I  | Prof. Teldersstraat 29 3274CZ Heinenoord      | 92.824   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \J  | John F. Kennedystraat 45 3274CG Heinenoord    | 92.531   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 92.724   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 92.812   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 92.729   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \N  | De Laagjes 11 3274CB Heinenoord               | 92.476   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 92.521   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 92.877   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 92.229   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 92.332   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 92.832   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 92.402   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 92.863   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 92.222   | 427.076   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \W  | Spuibelden 7 3274CM Heinenoord                | 92.530   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \X  | Avenhil 19 3274CT Heinenoord                  | 92.686   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Y  | Spuibelden 12 3274CM Heinenoord               | 92.588   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 92.262   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]A  | Buitenlanden 11 3274MB Heinenoord             | 92.893   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 92.490   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 92.826   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 92.452   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 92.765   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 92.407   | 426.696   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]G  | Buitenlanden 16 3274MB Heinenoord             | 92.936   | 427.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 92.842   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 92.887   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]J  | Kalesland 44 3274CH Heinenoord                | 92.555   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 92.700   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 92.403   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 92.938   | 426.698   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 92.729   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]O  | Buitenlanden 19 3274MB Heinenoord             | 92.903   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]P  | Kalesland 14 3274CH Heinenoord                | 92.488   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 92.587   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 92.737   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 92.632   | 426.678   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 92.513   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 92.432   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 92.561   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]W  | Kalesland 13 3274CH Heinenoord                | 92.554   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 92.406   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 92.572   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 92.743   | 427.040   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^A  | Kalesland 24 3274CH Heinenoord                | 92.513   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^B  | Buitenlanden 5 3274MB Heinenoord              | 92.887   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 92.421   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 92.565   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^E  | Kalesland 54 3274CH Heinenoord                | 92.574   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 92.216   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 92.333   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 92.368   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 92.721   | 426.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 92.278   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 92.367   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 92.157   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^M  | Kalesland 48 3274CH Heinenoord                | 92.564   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^N  | Buitenlanden 9 3274MB Heinenoord              | 92.893   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 92.668   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^P  | Kalesland 74 3274CH Heinenoord                | 92.592   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 92.810   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 92.266   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 92.458   | 426.756   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^T  | Kalesland 15 3274CH Heinenoord                | 92.555   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^U  | Buitenlanden 10 3274MB Heinenoord             | 92.928   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 92.571   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 92.532   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 92.857   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 92.334   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 92.766   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _A  | Kalesland 12 3274CH Heinenoord                | 92.480   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _B  | Hermannushof 18 3274CE Heinenoord             | 92.560   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 92.175   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 92.832   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 92.292   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _F  | Emmastraat 18 3274AC Heinenoord               | 92.284   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 92.765   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 92.669   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 92.793   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 92.166   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _K  | Avenhil 26 3274CT Heinenoord                  | 92.726   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _L  | Spuivelden 4 3274CM Heinenoord                | 92.566   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 92.332   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 92.432   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _O  | Rietwaard 12 3274MA Heinenoord                | 92.800   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 92.244   | 426.853   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Q  | Kalesland 62 3274CH Heinenoord                | 92.596   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 92.586   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _S  | Koomansland 20 3274CJ Heinenoord              | 92.390   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 92.781   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _U  | Talmahof 12 3274CN Heinenoord                 | 92.490   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 92.793   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _W  | Rietwaard 15 3274MA Heinenoord                | 92.870   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _X  | Oosteinde 43 3274KB Heinenoord                | 92.634   | 426.606   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 92.470   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 92.204   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 92.877   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 92.471   | 426.753   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 92.501   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 92.257   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 92.575   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `F  | Irenestraat 32 3274AE Heinenoord              | 92.297   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 92.396   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 92.362   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 92.832   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 92.329   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `K  | De Laagjes 32 3274CB Heinenoord               | 92.532   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 92.286   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `M  | Irenestraat 11 3274AD Heinenoord              | 92.241   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 92.193   | 426.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 92.800   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 92.168   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 92.329   | 426.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 92.698   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 92.799   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `T  | Emmastraat 36 3274AC Heinenoord               | 92.191   | 426.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `U  | Marikkestraat 1 3274AJ Heinenoord             | 92.256   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `V  | Spuivelden 27 3274CM Heinenoord               | 92.576   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| `W  | Bernhardstraat 1 3274AB Heinenoord          | 92.199   | 426.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord | 92.365   | 426.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord  | 92.692   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord | 92.368   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {A  | Weerkant 88 2993DA Barendrecht              | 94.229   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {B  | Weerkant 5 2993DA Barendrecht               | 94.255   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {C  | Weerkant 72 2993DA Barendrecht              | 94.321   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {D  | Zalmwater 111 2993DX Barendrecht            | 94.221   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {E  | Weerkant 37 2993DA Barendrecht              | 94.178   | 428.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {F  | Weerkant 166 2993DA Barendrecht             | 94.229   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {G  | Weerkant 128 2993DA Barendrecht             | 94.222   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {H  | Weerkant 56 2993DA Barendrecht              | 94.319   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {I  | Weerkant 23 2993DA Barendrecht              | 94.216   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {J  | Weerkant 25 2993DA Barendrecht              | 94.210   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {K  | Weerkant 21 2993DA Barendrecht              | 94.221   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {L  | Weerkant 66 2993DA Barendrecht              | 94.313   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {M  | Weerkant 120 2993DA Barendrecht             | 94.229   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {N  | Zalmwater 121 2993DX Barendrecht            | 94.188   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {O  | Weerkant 22 2993DA Barendrecht              | 94.321   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {P  | Weerkant 162 2993DA Barendrecht             | 94.223   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Q  | Zalmwater 123 2993DX Barendrecht            | 94.182   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {R  | Weerkant 54 2993DA Barendrecht              | 94.311   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {S  | Weerkant 44 2993DA Barendrecht              | 94.316   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {T  | Weerkant 108 2993DA Barendrecht             | 94.225   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {U  | Weerkant 8 2993DA Barendrecht               | 94.322   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {V  | Weerkant 150 2993DA Barendrecht             | 94.227   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {W  | Zalmwater 131 2993DX Barendrecht            | 94.156   | 428.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {X  | Weerkant 35 2993DA Barendrecht              | 94.183   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Y  | Weerkant 28 2993DA Barendrecht              | 94.314   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| {Z  | Weerkant 98 2993DA Barendrecht              | 94.230   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| A   | Weerkant 124 2993DA Barendrecht             | 94.225   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| B   | Weerkant 52 2993DA Barendrecht              | 94.320   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| C   | Kuilkant 169 2993DV Barendrecht             | 94.338   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| D   | Weerkant 36 2993DA Barendrecht              | 94.312   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| E   | Weerkant 2 2993DA Barendrecht               | 94.320   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| F   | Weerkant 27 2993DA Barendrecht              | 94.205   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| G   | Weerkant 29 2993DA Barendrecht              | 94.199   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| H   | Weerkant 90 2993DA Barendrecht              | 94.227   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| I   | Weerkant 160 2993DA Barendrecht             | 94.221   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Zalmwater 117 2993DX Barendrecht            | 94.201   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| K   | Koedood 2 2993AL Barendrecht                | 94.270   | 428.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| L   | Weerkant 11 2993DA Barendrecht              | 94.254   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| M   | Weerkant 15 2993DA Barendrecht              | 94.237   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| N   | Weerkant 16 2993DA Barendrecht              | 94.321   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| O   | Weerkant 40 2993DA Barendrecht              | 94.316   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| P   | Weerkant 74 2993DA Barendrecht              | 94.322   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Q   | Weerkant 78 2993DA Barendrecht              | 94.314   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| R   | Weerkant 102 2993DA Barendrecht             | 94.227   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| S   | Harderwater 51 2993DW Barendrecht           | 94.274   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| T   | Zalmwater 119 2993DX Barendrecht            | 94.195   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| U   | Zalmwater 129 2993DX Barendrecht            | 94.163   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| V   | Weerkant 156 2993DA Barendrecht             | 94.221   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| W   | Spieringwater 3 2993DM Barendrecht          | 94.158   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| X   | Weerkant 7 2993DA Barendrecht               | 94.255   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y   | Weerkant 13 2993DA Barendrecht              | 94.254   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Z   | Weerkant 3 2993DA Barendrecht               | 94.256   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| }A  | Weerkant 9 2993DA Barendrecht               | 94.255   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| }B  | Weerkant 110 2993DA Barendrecht             | 94.227   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| }C  | Weerkant 142 2993DA Barendrecht             | 94.233   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| }D  | Weerkant 154 2993DA Barendrecht             | 94.223   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| }E  | Weerkant 164 2993DA Barendrecht             | 94.225   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| }F  | Weerkant 152 2993DA Barendrecht             | 94.225   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| }G  | Zalmwater 113 2993DX Barendrecht            | 94.213   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name                                       | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| )H  | Weerkant 50 2993DA Barendrecht             | 94.322   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )I  | Weerkant 58 2993DA Barendrecht             | 94.317   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )J  | Kuipersveer 9 3274KH Heinenoord            | 97.706   | 425.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )K  | Kuipersveer 7 3274KH Heinenoord            | 97.711   | 425.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )L  | Kuipersveer 3 3274KH Heinenoord            | 97.762   | 425.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )M  | Kuipersveer 5 3274KH Heinenoord            | 97.770   | 425.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )N  | Kuipersveer 1 A 3274KH Heinenoord          | 97.737   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )O  | Ziedewijdsekade 14 2991VS Barendrecht      | 97.379   | 427.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )P  | 3e Barendrechtseweg 555 2991SH Barendrecht | 96.384   | 427.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )Q  | 3e Barendrechtseweg 454 2992SN Barendrecht | 96.331   | 428.132   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )R  | Ziedewijdsekade 36 2991SE Barendrecht      | 96.966   | 427.774   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )S  | 3e Barendrechtseweg 545 2991SH Barendrecht | 96.375   | 428.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )T  | Ziedewijdsekade 18 2991VS Barendrecht      | 97.248   | 427.775   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )U  | Ziedewijdsekade 72 2991SE Barendrecht      | 96.547   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )V  | Ziedewijdsekade 1 2991VS Barendrecht       | 97.493   | 427.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )W  | 3e Barendrechtseweg 541 2991SH Barendrecht | 96.375   | 428.077   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )X  | Achterzeedijk 11 2991SB Barendrecht        | 96.449   | 427.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )Y  | Ziedewijdsekade 70 2991SE Barendrecht      | 96.571   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| )Z  | Ziedewijdsekade 10 2991VS Barendrecht      | 97.590   | 427.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~A  | 3e Barendrechtseweg 559 2991SH Barendrecht | 96.372   | 427.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~B  | Ziedewijdsekade 12 2991VS Barendrecht      | 97.633   | 427.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~C  | Ziedewijdsekade 34 2991SE Barendrecht      | 97.009   | 427.777   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~D  | Achterzeedijk 1 2991SB Barendrecht         | 97.077   | 427.630   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~E  | Achterzeedijk 1 a 1 2991SB Barendrecht     | 97.394   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~F  | Achterzeedijk 1 a 2 2991SB Barendrecht     | 97.392   | 427.477   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~G  | Achterzeedijk 1 a 3 2991SB Barendrecht     | 97.386   | 427.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~H  | Achterzeedijk 1 a 4 2991SB Barendrecht     | 97.382   | 427.439   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~I  | Achterzeedijk 1 a 6 2991SB Barendrecht     | 97.368   | 427.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~J  | Achterzeedijk 1 a 7 2991SB Barendrecht     | 97.356   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~K  | Achterzeedijk 1 a 8 2991SB Barendrecht     | 97.347   | 427.453   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~L  | Achterzeedijk 1 a 9 2991SB Barendrecht     | 97.345   | 427.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~M  | Achterzeedijk 1 a 10 2991SB Barendrecht    | 97.346   | 427.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~N  | Achterzeedijk 1 a 11 2991SB Barendrecht    | 97.338   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~O  | Achterzeedijk 1 a 12 2991SB Barendrecht    | 97.333   | 427.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~P  | Achterzeedijk 1 a 14 2991SB Barendrecht    | 97.319   | 427.508   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~Q  | Achterzeedijk 1 a 16 2991SB Barendrecht    | 97.301   | 427.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~R  | Achterzeedijk 1 a 17 2991SB Barendrecht    | 97.297   | 427.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~S  | Achterzeedijk 1 a 18 2991SB Barendrecht    | 97.294   | 427.518   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~T  | Achterzeedijk 1 a 19 2991SB Barendrecht    | 97.294   | 427.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~U  | Achterzeedijk 1 a 20 2991SB Barendrecht    | 97.285   | 427.484   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~V  | Achterzeedijk 1 a 21 2991SB Barendrecht    | 97.284   | 427.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~W  | Achterzeedijk 1 a 22 2991SB Barendrecht    | 97.273   | 427.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~X  | Achterzeedijk 1 a 23 2991SB Barendrecht    | 97.261   | 427.513   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~Y  | Achterzeedijk 1 a 24 2991SB Barendrecht    | 97.252   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~Z  | Achterzeedijk 1 a 26 2991SB Barendrecht    | 97.250   | 427.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?A  | Achterzeedijk 1 a 53 2991SB Barendrecht    | 97.085   | 427.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?B  | Achterzeedijk 1 a 54 2991SB Barendrecht    | 97.079   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?C  | Achterzeedijk 1 a 55 2991SB Barendrecht    | 97.075   | 427.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?D  | Achterzeedijk 1 a 56 2991SB Barendrecht    | 97.069   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?E  | Achterzeedijk 1 a 13 2991SB Barendrecht    | 97.329   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?F  | Achterzeedijk 1 a 15 2991SB Barendrecht    | 97.311   | 427.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?G  | Achterzeedijk 1 a 25 2991SB Barendrecht    | 97.249   | 427.554   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?H  | Achterzeedijk 1 a 5 2991SB Barendrecht     | 97.378   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?I  | Kuipersveer 15 3274KH Heinenoord           | 97.606   | 426.230   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?J  | Kuipersveer 31 3274KH Heinenoord           | 97.501   | 426.403   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?K  | Kuipersveer 15 A 3274KH Heinenoord         | 97.591   | 426.257   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?L  | Kuipersveer 23 3274KH Heinenoord           | 97.535   | 426.329   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?M  | Kuipersveer 13 3274KH Heinenoord           | 97.623   | 426.174   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?N  | Kuipersveer 15 D 3274KH Heinenoord         | 97.562   | 426.295   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?O  | Kuipersveer 19 3274KH Heinenoord           | 97.545   | 426.312   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?P  | Kuipersveer 25 3274KH Heinenoord           | 97.526   | 426.343   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?Q  | Kuipersveer 21 3274KH Heinenoord           | 97.539   | 426.323   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?R  | Kuipersveer 35 3274KH Heinenoord           | 97.529   | 426.410   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                         | Name                        | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----------------------------|-----------------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                             |                             |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ?SKuipersveer 15 C          | 3274KH Heinenoord           | 97.576   | 426.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?TKuipersveer 17            | 3274KH Heinenoord           | 97.549   | 426.307   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| A Blaaksedijk West          | 28 3274LE Heinenoord        | 94.023   | 425.651   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •A Achterzeedijk 1 a        | 27 2991SB Barendrecht       | 97.243   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AA Blaaksedijk West         | 26 3274LE Heinenoord        | 94.070   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aA Martin Luther Kingstraat | 44 3274CL Heinenoord        | 92.526   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AB Doornmanstraat           | 15 3274LK Heinenoord        | 94.658   | 425.375   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ab Rietwaard                | 22 3274MA Heinenoord        | 92.878   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aC Kalesland                | 68 3274CH Heinenoord        | 92.605   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AC Mollekade                | 11 3274LN Heinenoord        | 94.528   | 425.645   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aD Hermannushof             | 12 3274CE Heinenoord        | 92.541   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AD Boonsweg                 | 55 3274LH Heinenoord        | 95.277   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AE Doormanstraat            | 19 3274LK Heinenoord        | 94.664   | 425.387   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aE De Laagjes               | 24 3274CB Heinenoord        | 92.509   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AF Doormanstraat            | 35 3274LK Heinenoord        | 94.682   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aF Wouter van den Walesti   | 42 3274CS Heinenoord        | 92.361   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aG Avenhil                  | 29 3274CT Heinenoord        | 92.733   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AG Doormanstraat            | 12 3274LK Heinenoord        | 94.692   | 425.406   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aH Beatrixstraat            | 50 3274AA Heinenoord        | 92.212   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AH Mollekade                | 24 A 3274LP Heinenoord      | 94.553   | 425.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AI Doormanstraat            | 21 3274LK Heinenoord        | 94.667   | 425.394   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| al Martin Luther Kingstraat | 38 3274CL Heinenoord        | 92.507   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aJ Koomansland              | 34 3274CJ Heinenoord        | 92.445   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AJ de Ruyterstraat          | 6 B 3274LJ Heinenoord       | 94.524   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aK Martin Luther Kingstraat | 20 3274CK Heinenoord        | 92.439   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AK Trompstraat              | 20 3274LT Heinenoord        | 94.635   | 425.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aL Spuivelden               | 1 3274CM Heinenoord         | 92.531   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AL van Galenstraat          | 11 3274LV Heinenoord        | 94.534   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aM Oranjestraat             | 22 3274AK Heinenoord        | 92.188   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AM Gorzenweg                | 2 3274LL Heinenoord         | 95.503   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AN Mollekade                | 17 3274LN Heinenoord        | 94.552   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aN Koomansland              | 15 3274CJ Heinenoord        | 92.474   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aO De Laagjes               | 34 3274CB Heinenoord        | 92.538   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AO Mollekade                | 21 3274LN Heinenoord        | 94.566   | 425.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AP de Ruyterstraat          | 10 3274LJ Heinenoord        | 94.658   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aP Boerengorzen             | 12 3274CV Heinenoord        | 92.754   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aQ Hermannushof             | 22 3274CE Heinenoord        | 92.582   | 426.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AQ Mollekade                | 3 A 3274LN Heinenoord       | 94.488   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aR Prof. Teldersstraat      | 17 3274CZ Heinenoord        | 92.799   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AR Doormanstraat            | 31 3274LK Heinenoord        | 94.676   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AS Gorzenweg                | 1 A 3274LL Heinenoord       | 95.716   | 425.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aS Avenhil                  | 31 3274CT Heinenoord        | 92.738   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AT de Ruyterstraat          | 4 A 3274LJ Heinenoord       | 94.527   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aT Martin Luther Kingstraat | 4 3274CK Heinenoord         | 92.386   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aU Emmastraat               | 5 3274AC Heinenoord         | 92.231   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AU de Ruyterstraat          | 6 A 3274LJ Heinenoord       | 94.524   | 425.505   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aV Prof. Teldersstraat      | 33 3274MC Heinenoord        | 92.854   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AV Mollekade                | 13 A 3274LN Heinenoord      | 94.541   | 425.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aW Abraham Kuyperhof        | 6 3274CW Heinenoord         | 92.721   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AW Blaaksedijk              | West 15 3274LD Heinenoord   | 94.221   | 425.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aX Prof. Teldersstraat      | 9 3274CZ Heinenoord         | 92.801   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AX Doormanstraat            | 25 3274LK Heinenoord        | 94.672   | 425.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AY Blaaksedijk              | West 16 A 3274LE Heinenoord | 94.260   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aY Andries Woutershof       | 6 3274CA Heinenoord         | 92.466   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AZ Gorzenweg                | 1 3274LL Heinenoord         | 95.615   | 425.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aZ Beatrixstraat            | 25 3274AA Heinenoord        | 92.188   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| B Blaaksedijk               | West 49 3274LD Heinenoord   | 93.567   | 425.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •B Achterzeedijk            | 1 a 28 2991SB Barendrecht   | 97.237   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bA Koomansland              | 9 3274CJ Heinenoord         | 92.450   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BA Nijverheidsweg           | 32 3274KJ Heinenoord        | 95.394   | 425.284   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BB Blaaksedijk              | West 19 3274LD Heinenoord   | 94.188   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bb Avenhil                  | 22 3274CT Heinenoord        | 92.711   | 426.950   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BC Mollekade                | 15 3274LN Heinenoord        | 94.545   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name                                       | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| bC  | John F. Kennedystraat 87 3274CG Heinenoord | 92.855   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord | 92.798   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BD  | Trompstraat 10 3274LT Heinenoord           | 94.621   | 425.414   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BE  | Mollekade 27 3274LN Heinenoord             | 94.617   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bE  | Irenestraat 17 3274AD Heinenoord           | 92.244   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BF  | Blaaksedijk West 21 3274LD Heinenoord      | 94.177   | 425.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bF  | Spuivelden 23 3274CM Heinenoord            | 92.578   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bG  | Kalesland 36 3274CH Heinenoord             | 92.534   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BG  | Piet Heinstraat 1 3274LR Heinenoord        | 94.628   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bH  | Koomansland 4 3274CJ Heinenoord            | 92.414   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BH  | Mollekade 1 3274LN Heinenoord              | 94.478   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BI  | de Ruyterstraat 15 3274LJ Heinenoord       | 94.667   | 425.521   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bI  | Jan de Rooystraat 1 3274NA Heinenoord      | 92.628   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bJ  | Jan de Rooystraat 3 3274NA Heinenoord      | 92.627   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BJ  | Blaaksedijk West 14 3274LE Heinenoord      | 94.286   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bK  | Jan de Rooystraat 5 3274NA Heinenoord      | 92.626   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BK  | Mollekade 8 3274LP Heinenoord              | 94.518   | 425.481   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BL  | de Ruyterstraat 2 B 3274LJ Heinenoord      | 94.529   | 425.523   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bL  | Jan de Rooystraat 7 3274NA Heinenoord      | 92.623   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BM  | van Galenstraat 4 3274LV Heinenoord        | 94.587   | 425.507   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bM  | Jan de Rooystraat 9 3274NA Heinenoord      | 92.621   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BN  | Mollekade 23 A 3274LN Heinenoord           | 94.587   | 425.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bN  | Jan de Rooystraat 11 3274NA Heinenoord     | 92.620   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BO  | Blaaksedijk West 20 3274LE Heinenoord      | 94.165   | 425.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bO  | Jan de Rooystraat 13 3274NA Heinenoord     | 92.619   | 426.726   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bP  | Jan de Rooystraat 2 3274NA Heinenoord      | 92.663   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BP  | Doormanstraat 45 3274LK Heinenoord         | 94.686   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BQ  | de Ruyterstraat 4 B 3274LJ Heinenoord      | 94.526   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bQ  | Jan de Rooystraat 4 3274NA Heinenoord      | 92.662   | 426.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BR  | Nijverheidsweg 7 3274KJ Heinenoord         | 95.525   | 425.232   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bR  | Jan de Rooystraat 6 3274NA Heinenoord      | 92.660   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bS  | Jan de Rooystraat 8 3274NA Heinenoord      | 92.656   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BS  | Gorzenweg 9 3274LL Heinenoord              | 95.389   | 425.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bT  | Jan de Rooystraat 10 3274NA Heinenoord     | 92.655   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BT  | Mollekade 9 3274LN Heinenoord              | 94.520   | 425.612   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BU  | de Ruyterstraat 14 3274LJ Heinenoord       | 94.670   | 425.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bU  | Jan de Rooystraat 12 3274NA Heinenoord     | 92.654   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BV  | Boonsweg 69 3274LH Heinenoord              | 95.303   | 425.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bV  | Jan de Rooystraat 14 3274NA Heinenoord     | 92.652   | 426.730   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BW  | Boonsweg 65 3274LH Heinenoord              | 95.295   | 425.528   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bW  | Jan de Rooystraat 16 3274NA Heinenoord     | 92.651   | 426.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BX  | Trompstraat 14 3274LT Heinenoord           | 94.623   | 425.426   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bX  | Arie Jongekrijgstraat 1 3274NB Heinenoord  | 92.695   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BY  | Blaaksedijk West 18 3274LE Heinenoord      | 94.241   | 425.524   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bY  | Arie Jongekrijgstraat 3 3274NB Heinenoord  | 92.689   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BZ  | van Galenstraat 7 3274LV Heinenoord        | 94.596   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bZ  | Arie Jongekrijgstraat 5 3274NB Heinenoord  | 92.691   | 426.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| C   | Blaaksedijk West 34 3274LE Heinenoord      | 93.916   | 425.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht    | 97.235   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord | 92.677   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord       | 94.685   | 425.516   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord | 92.692   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CB  | Trompstraat 16 3274LT Heinenoord           | 94.633   | 425.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord | 92.709   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CC  | Blaaksedijk West 12 3274LE Heinenoord      | 94.347   | 425.489   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CD  | Boonsweg 14 3274LH Heinenoord              | 95.402   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord | 92.718   | 426.702   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CE  | Mollekade 10 3274LP Heinenoord             | 94.519   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord | 92.729   | 426.701   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CF  | Gorzenweg 5 3274LL Heinenoord              | 95.503   | 425.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord | 92.739   | 426.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord  | 92.715   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CG  | van Galenstraat 14 3274LV Heinenoord       | 94.576   | 425.452   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                           | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                               |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| CH Trompstraat 22             | 3274LT Heinenoord  | 94.639   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cH Arie Jongekrijgstraat 4    | 3274NB Heinenoord  | 92.715   | 426.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cI Arie Jongekrijgstraat 6    | 3274NB Heinenoord  | 92.713   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CI van Galenstraat 2          | 3274LV Heinenoord  | 94.588   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cJ Arie Jongekrijgstraat 8    | 3274NB Heinenoord  | 92.712   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CJ Mollekade 13               | 3274LN Heinenoord  | 94.534   | 425.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CK Arie Jongekrijgstraat 10   | 3274NB Heinenoord  | 92.718   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CK Doormanstraat 37           | 3274LK Heinenoord  | 94.683   | 425.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cL Arie Jongekrijgstraat 12   | 3274NB Heinenoord  | 92.710   | 426.761   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CL van Galenstraat 12         | 3274LV Heinenoord  | 94.577   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cM Arie Jongekrijgstraat 14   | 3274NB Heinenoord  | 92.709   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CM Boonsweg 12                | 3274LH Heinenoord  | 95.390   | 425.659   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CN Piet Heinstraat 2          | 3274LR Heinenoord  | 94.637   | 425.412   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cN Arie Jongekrijgstraat 16   | 3274NB Heinenoord  | 92.708   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cO Arie Jongekrijgstraat 18   | 3274NB Heinenoord  | 92.707   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CO Doormanstraat 33           | 3274LK Heinenoord  | 94.669   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CP Piet Heinstraat 3          | 3274LR Heinenoord  | 94.635   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cP Arie Jongekrijgstraat 20   | 3274NB Heinenoord  | 92.707   | 426.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cQ Opper Van Treurenstraat 2  | 3274ND Heinenoord  | 92.777   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cQ van Galenstraat 16         | 3274LV Heinenoord  | 94.572   | 425.446   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CR Gorzenweg 7                | 3274LL Heinenoord  | 95.464   | 425.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cR Opper Van Treurenstraat 4  | 3274ND Heinenoord  | 92.777   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CS Doormanstraat 27           | 3274LK Heinenoord  | 94.669   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cS Opper Van Treurenstraat 6  | 3274ND Heinenoord  | 92.776   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CT de Ruyterstraat 19         | 3274LJ Heinenoord  | 94.705   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cT Opper Van Treurenstraat 8  | 3274ND Heinenoord  | 92.776   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cU Opper Van Treurenstraat 10 | 3274ND Heinenoord  | 92.775   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CU Trompstraat 12             | 3274LT Heinenoord  | 94.622   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CV Nijverheidsweg 47          | 3274KJ Heinenoord  | 95.465   | 425.302   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cV Opper Van Treurenstraat 12 | 3274ND Heinenoord  | 92.775   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CW Doormanstraat 39           | 3274LK Heinenoord  | 94.684   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW Opper Van Treurenstraat 14 | 3274ND Heinenoord  | 92.775   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cX Opper Van Treurenstraat 16 | 3274ND Heinenoord  | 92.774   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CX Boonsweg 6                 | 3274LH Heinenoord  | 95.351   | 425.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CY Piet Heinstraat 9          | 3274LR Heinenoord  | 94.658   | 425.445   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cY Opper Van Treurenstraat 18 | 3274ND Heinenoord  | 92.774   | 426.808   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cZ Opper Van Treurenstraat 20 | 3274ND Heinenoord  | 92.773   | 426.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CZ Nijverheidsweg 8           | 3274KJ Heinenoord  | 95.544   | 425.248   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| D Blaakseindijk West 41       | 3274LD Heinenoord  | 93.876   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •D Achterzeedijk 1 a 30       | 2991SB Barendrecht | 97.225   | 427.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dA Opper Van Treurenstraat 22 | 3274ND Heinenoord  | 92.773   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DA Boonsweg 4                 | 3274LH Heinenoord  | 95.346   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dB Opper Van Treurenstraat 24 | 3274ND Heinenoord  | 92.773   | 426.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DB de Ruyterstraat 2 A        | 3274LJ Heinenoord  | 94.529   | 425.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dC Opper Van Treurenstraat 26 | 3274ND Heinenoord  | 92.772   | 426.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DC van Galenstraat 1          | 3274LV Heinenoord  | 94.608   | 425.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DD Mollekade 7                | 3274LN Heinenoord  | 94.502   | 425.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dd Opper Van Treurenstraat 28 | 3274ND Heinenoord  | 92.772   | 426.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DE Mollekade 4                | 3274LP Heinenoord  | 94.516   | 425.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dE Opper Van Treurenstraat 30 | 3274ND Heinenoord  | 92.771   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DF Mollekade 2                | 3274LP Heinenoord  | 94.515   | 425.463   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| df Opper Van Treurenstraat 32 | 3274ND Heinenoord  | 92.771   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dG Opper Van Treurenstraat 34 | 3274ND Heinenoord  | 92.769   | 426.759   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DG van Galenstraat 28         | 3274LV Heinenoord  | 94.509   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DH Mollekade 6                | 3274LP Heinenoord  | 94.517   | 425.475   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dH Opper Van Treurenstraat 36 | 3274ND Heinenoord  | 92.768   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dl Opper Van Treurenstraat 38 | 3274ND Heinenoord  | 92.768   | 426.751   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DI Mollekade 26 C             | 3274LP Heinenoord  | 94.621   | 425.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DJ Mollekade 26 A             | 3274LP Heinenoord  | 94.605   | 425.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dj Opper Van Treurenstraat 40 | 3274ND Heinenoord  | 92.767   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DK Nijverheidsweg 36          | 3274KJ Heinenoord  | 95.512   | 425.322   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dk Opper Van Treurenstraat 42 | 3274ND Heinenoord  | 92.767   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DL Doormanstraat 18           | 3274LK Heinenoord  | 94.705   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| dL  | Opper Van Treurenstraat 44 3274ND Heinenoord | 92.766   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dM  | Opper Van Treurenstraat 46 3274ND Heinenoord | 92.766   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DM  | de Ruyterstraat 9 3274LJ Heinenoord          | 94.591   | 425.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DN  | van Galenstraat 20 3274LV Heinenoord         | 94.530   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dN  | Opper Van Treurenstraat 48 3274ND Heinenoord | 92.765   | 426.731   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DO  | Mollekade 5 3274LN Heinenoord                | 94.497   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dO  | Opper Van Treurenstraat 50 3274ND Heinenoord | 92.765   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DP  | Mollekade 25 3274LN Heinenoord               | 94.598   | 425.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dP  | Opper Van Treurenstraat 52 3274ND Heinenoord | 92.765   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DQ  | Blaaksedijk West 17 3274LD Heinenoord        | 94.212   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 92.764   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 94.621   | 425.532   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 92.764   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 92.763   | 426.695   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 94.686   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 92.762   | 426.689   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DT  | Mollekade 19 3274LN Heinenoord               | 94.556   | 425.758   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 92.761   | 426.683   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DU  | Trompstraat 6 3274LT Heinenoord              | 94.618   | 425.404   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 92.761   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DV  | Trompstraat 24 3274LT Heinenoord             | 94.639   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 95.510   | 425.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 92.760   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 94.705   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 92.759   | 426.665   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 94.515   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 92.747   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 92.746   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 94.598   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 94.134   | 425.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 97.213   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 92.746   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 94.579   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 92.744   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 94.506   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 94.648   | 425.423   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 92.745   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 94.537   | 425.449   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 92.744   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 92.743   | 426.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 94.568   | 425.545   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 92.741   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EF  | Mollekade 26 3274LP Heinenoord               | 94.573   | 425.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 92.740   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 94.666   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 92.740   | 426.754   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 94.584   | 425.493   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 92.739   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 94.708   | 425.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 94.651   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 92.737   | 426.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 95.540   | 425.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 92.737   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 92.736   | 426.733   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 94.664   | 425.399   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 92.731   | 426.669   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 94.687   | 425.479   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EN  | Trompstraat 8 3274LT Heinenoord              | 94.619   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 92.723   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EO  | Trompstraat 4 3274LT Heinenoord              | 94.614   | 425.398   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 92.712   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 94.640   | 425.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 92.703   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord       | 92.692   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EQ  | van Galenstraat 13 3274LV Heinenoord        | 94.515   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eR  | Engel de Raatpad 12 3274NC Heinenoord       | 92.685   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ER  | Mollekade 12 3274LP Heinenoord              | 94.520   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eS  | Engel de Raatpad 14 3274NC Heinenoord       | 92.671   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ES  | van Galenstraat 22 3274LV Heinenoord        | 94.525   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ET  | Doormanstraat 29 3274LK Heinenoord          | 94.670   | 425.418   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eT  | Jan van Vlietstraat 1 3274NE Heinenoord     | 92.809   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eU  | Jan van Vlietstraat 3 3274NE Heinenoord     | 92.808   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EU  | Doormanstraat 17 3274LK Heinenoord          | 94.661   | 425.382   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eV  | Jan van Vlietstraat 5 3274NE Heinenoord     | 92.807   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EV  | Doormanstraat 10 3274LK Heinenoord          | 94.691   | 425.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eW  | Jan van Vlietstraat 7 3274NE Heinenoord     | 92.806   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EW  | Doormanstraat 14 3274LK Heinenoord          | 94.696   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EX  | Trompstraat 18 3274LT Heinenoord            | 94.634   | 425.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eX  | Jan van Vlietstraat 9 3274NE Heinenoord     | 92.805   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EY  | van Galenstraat 8 3274LV Heinenoord         | 94.582   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eY  | Jan van Vlietstraat 19 3274NE Heinenoord    | 92.795   | 426.692   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eZ  | Jan van Vlietstraat 21 3274NE Heinenoord    | 92.794   | 426.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EZ  | de Ruyterstraat 5 3274LJ Heinenoord         | 94.534   | 425.551   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| F   | Blaaksedijk West 55 3274LD Heinenoord       | 93.509   | 425.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •F  | Achterzeedijk 1 a 32 2991SB Barendrecht     | 97.204   | 427.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FA  | Trompstraat 26 3274LT Heinenoord            | 94.641   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fa  | Jan van Vlietstraat 23 3274NE Heinenoord    | 92.794   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FB  | van Galenstraat 24 3274LV Heinenoord        | 94.520   | 425.454   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fB  | Jan van Vlietstraat 25 3274NE Heinenoord    | 92.793   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FC  | van Galenstraat 3 3274LV Heinenoord         | 94.606   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fC  | Jan van Vlietstraat 27 3274NE Heinenoord    | 92.792   | 426.668   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fd  | Jan van Vlietstraat 29 3274NE Heinenoord    | 92.792   | 426.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FD  | Piet Heinstraat 6 3274LR Heinenoord         | 94.652   | 425.422   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fE  | Wouter van den Walestr 11 3274CR Heinenoord | 92.402   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE  | de Ruyterstraat 13 3274LJ Heinenoord        | 94.644   | 425.519   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FF  | Mollekade 7 A 3274LN Heinenoord             | 94.515   | 425.591   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fF  | Wouter van den Walestr 13 3274CR Heinenoord | 92.402   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fG  | Wouter van den Walestr 15 3274CR Heinenoord | 92.403   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FG  | Blaaksedijk West 16 3274LE Heinenoord       | 94.251   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fH  | Wouter van den Walestr 17 3274CR Heinenoord | 92.403   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FH  | Oosteinde 5 3274KB Heinenoord               | 92.991   | 426.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fI  | Wouter van den Walestr 19 3274CR Heinenoord | 92.404   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FI  | Oosteinde 11 3274KB Heinenoord              | 92.959   | 426.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FJ  | Oosteinde 1 3274KB Heinenoord               | 93.032   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fJ  | Wouter van den Walestr 21 3274CR Heinenoord | 92.404   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FK  | Oosteinde 3 3274KB Heinenoord               | 92.995   | 426.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fK  | Wouter van den Walestr 23 3274CR Heinenoord | 92.405   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FL  | Oud-Heinenoordseweg 9 3274KD Heinenoord     | 92.665   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fL  | Wouter van den Walestr 25 3274CR Heinenoord | 92.405   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fm  | Wouter van den Walestr 27 3274CR Heinenoord | 92.406   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FM  | Oud-Heinenoordseweg 3 3274KD Heinenoord     | 92.641   | 426.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FN  | Oosteinde 13 3274KB Heinenoord              | 92.956   | 426.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fN  | Wouter van den Walestr 29 3274CR Heinenoord | 92.406   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fo  | Wouter van den Walestr 31 3274CR Heinenoord | 92.407   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FO  | Oosteinde 7 3274KB Heinenoord               | 92.988   | 426.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fp  | Wouter van den Walestr 33 3274CR Heinenoord | 92.407   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FP  | Oosteinde 27 3274KB Heinenoord              | 92.815   | 426.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fQ  | Wouter van den Walestr 35 3274CR Heinenoord | 92.408   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FQ  | Oud-Heinenoordseweg 8 3274KD Heinenoord     | 92.698   | 426.370   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FR  | Oosteinde 25 3274KB Heinenoord              | 92.837   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fR  | Wouter van den Walestr 37 3274CR Heinenoord | 92.408   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FS  | Oud-Heinenoordseweg 10 3274KD Heinenoord    | 92.718   | 426.203   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fS  | Wouter van den Walestr 39 3274CR Heinenoord | 92.409   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT  | Wouter van den Walestr 41 3274CR Heinenoord | 92.409   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT  | Oud-Heinenoordseweg 7 3274KD Heinenoord     | 92.658   | 426.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fU  | Wouter van den Walestr 43 3274CR Heinenoord | 92.410   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| FU  | Oud-Heinenoordseweg 1 3274KD Heinenoord      | 92.637   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord  | 92.410   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FV  | Oosteinde 19 3274KB Heinenoord               | 92.899   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fW  | Wouter van den Walestr 47 3274CR Heinenoord  | 92.411   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord      | 92.650   | 426.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fX  | Dorpsstraat 8 3274BD Heinenoord              | 92.409   | 426.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord     | 92.718   | 426.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord     | 92.679   | 426.498   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fY  | Jan van Vlietstraat 11 3274NE Heinenoord     | 92.800   | 426.765   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FZ  | Oosteinde 17 3274KB Heinenoord               | 92.930   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 92.799   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 93.599   | 425.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 97.202   | 427.574   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 92.684   | 426.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 92.799   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 92.798   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GB  | Oosteinde 21 3274KB Heinenoord               | 92.878   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GC  | Oosteinde 9 3274KB Heinenoord                | 92.969   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 92.798   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 92.673   | 426.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gD  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 92.797   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GE  | Oosteinde 31 3274KB Heinenoord               | 92.753   | 426.596   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 92.797   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 92.797   | 426.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 92.782   | 426.222   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GG  | Oosteinde 15 3274KB Heinenoord               | 92.945   | 426.559   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 92.681   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 92.679   | 426.741   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 92.683   | 426.492   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 92.679   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 92.698   | 426.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 92.994   | 426.566   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 92.677   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 93.254   | 426.304   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 93.014   | 426.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 92.672   | 426.438   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 93.343   | 426.207   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GM  | Oosteinde 29 3274KB Heinenoord               | 92.782   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 93.390   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 92.603   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 93.633   | 426.428   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 93.291   | 426.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 92.695   | 426.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gP  | Koedoed 17 a 2993AL Barendrecht              | 93.423   | 428.241   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 92.721   | 426.424   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gQ  | Koedoed 17 2993AL Barendrecht                | 93.478   | 428.194   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GQ  | Oosteinde 23 3274KB Heinenoord               | 92.852   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 92.331   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 95.724   | 427.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 92.583   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 96.194   | 427.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 95.698   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 92.453   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GU  | Willems de Zwijgerstraat 6 3274AL Heinenoord | 92.154   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 95.754   | 427.762   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 96.138   | 427.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GV  | Avenhil 5 3274CT Heinenoord                  | 92.651   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 95.933   | 427.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 92.493   | 426.706   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 92.302   | 427.062   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 95.504   | 427.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 92.185   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 95.723   | 427.667   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| gZ Achterzeedijk 45            | 2992SB Barendrecht | 96.006   | 427.680   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GZ Avenhil 37                  | 3274CT Heinenoord  | 92.725   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| H Reedijk 1                    | 3274KE Heinenoord  | 93.754   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •H Achterzeedijk 1 a 34        | 2991SB Barendrecht | 97.201   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hA Achterzeedijk 63            | 2992SB Barendrecht | 95.725   | 427.694   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HA Hermannushof 14             | 3274CE Heinenoord  | 92.548   | 426.704   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hb Achterzeedijk 67            | 2992SB Barendrecht | 95.724   | 427.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HB Marijkestraat 25            | 3274AJ Heinenoord  | 92.341   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hC Achterzeedijk 38            | 2992SC Barendrecht | 96.136   | 427.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HC Kalesland 3                 | 3274CH Heinenoord  | 92.524   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hD Achterzeedijk 47            | 2992SB Barendrecht | 95.955   | 427.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HD Prof. Teldersstraat 35      | 3274MC Heinenoord  | 92.853   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hE Achterzeedijk 39            | 2992SB Barendrecht | 96.103   | 427.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HE Marijkestraat 11            | 3274AJ Heinenoord  | 92.296   | 427.063   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hF Achterzeedijk 41            | 2992SB Barendrecht | 96.083   | 427.682   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HF John F. Kennedystraat 38    | 3274CG Heinenoord  | 92.808   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hg Achterzeedijk 64            | 2992SC Barendrecht | 95.495   | 427.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HG Oranjestraat 16             | 3274AK Heinenoord  | 92.161   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hh Achterzeedijk 71            | 2992SB Barendrecht | 95.702   | 427.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HH Boerengorzen 10             | 3274CV Heinenoord  | 92.755   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hl Achterzeedijk 59            | 2992SB Barendrecht | 95.779   | 427.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HI Kalesland 78                | 3274CH Heinenoord  | 92.592   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HJ Margrietstraat 18           | 3274AH Heinenoord  | 92.329   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hJ Achterzeedijk 42            | 2992SC Barendrecht | 95.997   | 427.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HK Martin Luther Kingstraat 60 | 3274CL Heinenoord  | 92.594   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hK Achterzeedijk 49            | 2992SB Barendrecht | 95.949   | 427.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hL Achterzeedijk 48            | 2992SC Barendrecht | 95.960   | 427.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HL Talmahof 7                  | 3274CN Heinenoord  | 92.435   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hm Achterzeedijk 60            | 2992SC Barendrecht | 95.562   | 428.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HM Kalesland 56                | 3274CH Heinenoord  | 92.580   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hn Achterzeedijk 58            | 2992SC Barendrecht | 95.709   | 427.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HN Emmastraat 22               | 3274AC Heinenoord  | 92.295   | 426.783   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hO Achterzeedijk 61            | 2992SB Barendrecht | 95.775   | 427.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HO John F. Kennedystraat 18    | 3274CG Heinenoord  | 92.727   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hP Achterzeedijk 40            | 2992SC Barendrecht | 96.111   | 427.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HP Martin Luther Kingstraat 32 | 3274CK Heinenoord  | 92.471   | 427.036   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HQ Dreeshof 1                  | 3274CC Heinenoord  | 92.521   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hq Achterzeedijk 61 b          | 2992SB Barendrecht | 95.750   | 427.757   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HR Buitelanden 8               | 3274MB Heinenoord  | 92.927   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hR Achterzeedijk 56            | 2992SC Barendrecht | 95.856   | 427.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HS Heyne van Althenastraat 14  | 3274CD Heinenoord  | 92.431   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hS Achterzeedijk 73            | 2992SB Barendrecht | 95.698   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HT Prof. Teldersstraat 11      | 3274CZ Heinenoord  | 92.799   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hT Achterzeedijk 50            | 2992SC Barendrecht | 95.894   | 427.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hU Gorzenweg 10                | 3274LL Heinenoord  | 94.688   | 426.134   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HU Prof. Teldersstraat 16      | 3274MC Heinenoord  | 92.832   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HV John F. Kennedystraat 41    | 3274CG Heinenoord  | 92.519   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hv Gorzenweg 8                 | 3274LL Heinenoord  | 94.759   | 426.128   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hW Mollekade 31                | 3274LN Heinenoord  | 94.641   | 426.106   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HW Rietwaard 17                | 3274MA Heinenoord  | 92.876   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hX Mollekade 32                | 3274LP Heinenoord  | 94.741   | 426.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HX Koomansland 26              | 3274CJ Heinenoord  | 92.411   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hY Boonsweg 44                 | 3274LH Heinenoord  | 95.724   | 426.443   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HY Wouter van den Walestr 32   | 3274CR Heinenoord  | 92.333   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HZ Avenhil 14                  | 3274CT Heinenoord  | 92.676   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hZ Gorzenweg 6 A               | 3274LL Heinenoord  | 95.324   | 426.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| I Reedijk 1 A                  | 3274KE Heinenoord  | 93.788   | 425.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •I Achterzeedijk 1 a 35        | 2991SB Barendrecht | 97.194   | 427.540   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Avenhil 3                   | 3274CT Heinenoord  | 92.659   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Zomerlandseweg 9            | 3274LX Heinenoord  | 94.414   | 426.121   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB John F. Kennedystraat 40    | 3274CG Heinenoord  | 92.806   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iB Mollekade 29                | 3274LN Heinenoord  | 94.637   | 426.065   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iC Mollekade 28                | 3274LP Heinenoord  | 94.717   | 426.285   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| IC  | Wouter van den Walestr 72 3274CS Heinenoord   | 92.370   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ID  | Dreeshof 9 3274CC Heinenoord                  | 92.522   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iD  | Mollekade 39 3274LN Heinenoord                | 94.670   | 426.219   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE  | Thorbeckehof 1 3274CP Heinenoord              | 92.607   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iE  | Mollekade 41 3274LN Heinenoord                | 94.681   | 426.298   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF  | Spuivelden 25 3274CM Heinenoord               | 92.577   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iF  | Mollekade 47 3274LN Heinenoord                | 94.713   | 426.397   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG  | Mollekade 45 3274LN Heinenoord                | 94.691   | 426.338   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG  | Wiardi Beckmanhof 8 3274CX Heinenoord         | 92.657   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH  | Talmahof 4 3274CN Heinenoord                  | 92.489   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 95.361   | 426.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 92.663   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iI  | Mollekade 43 3274LN Heinenoord                | 94.680   | 426.316   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 92.732   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 95.315   | 426.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | De Laagjes 12 3274CB Heinenoord               | 92.464   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iK  | Mollekade 35 3274LN Heinenoord                | 94.652   | 426.161   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 95.481   | 425.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL  | Talmahof 11 3274CN Heinenoord                 | 92.436   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 92.604   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 94.940   | 426.314   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 92.852   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 95.240   | 425.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 92.561   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 93.458   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP  | Koimansland 32 3274CJ Heinenoord              | 92.446   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iP  | Stekkant 40 2993DB Barendrecht                | 94.060   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 92.780   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iQ  | Stekkant 33 2993DB Barendrecht                | 93.963   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iR  | Spieringwater 12 2993DM Barendrecht           | 94.127   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kalesland 52 3274CH Heinenoord                | 92.569   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iS  | Koedood 6 a 2993AL Barendrecht                | 93.774   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 92.500   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Avenhil 15 3274CT Heinenoord                  | 92.671   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iT  | Stekkant 107 2993DB Barendrecht               | 94.069   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 93.455   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 92.662   | 427.016   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iV  | Swarttouwhaven 8 2993HP Barendrecht           | 93.614   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Kalesland 19 3274CH Heinenoord                | 92.555   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iW  | Stekkant 2 2993DB Barendrecht                 | 93.941   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 92.203   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iX  | Müllerhaven 32 2993EA Barendrecht             | 93.829   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 92.472   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y   | Oranjestraat 11 B 3274AK Heinenoord           | 92.164   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iY  | Calandhaven 3 2993HL Barendrecht              | 93.498   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iZ  | Stekkant 87 2993DB Barendrecht                | 94.073   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 92.579   | 426.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 93.524   | 425.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Achterzeedijk 1 a 36 2991SB Barendrecht       | 97.189   | 427.522   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 92.513   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jA  | Meeshaven 5 2993HN Barendrecht                | 93.652   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 92.877   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Smithaven 4 2993EC Barendrecht                | 93.830   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jC  | Müllerhaven 54 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Emmastraat 11 3274AC Heinenoord               | 92.253   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | Stekkant 13 2993DB Barendrecht                | 93.962   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 92.654   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 92.364   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jE  | Krölleghaven 12 2993ED Barendrecht            | 93.733   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Avenhil 9 3274CT Heinenoord                   | 92.633   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jF  | Stekkant 51 2993DB Barendrecht                | 93.956   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | De Laagjes 23 3274CB Heinenoord               | 92.499   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jG  | Zalmwater 143 2993DX Barendrecht              | 94.104   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 92.194   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jH  | Van Hobokenhaven 43 2993HH Barendrecht        | 93.455   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jI  | Müllerhaven 70 2993EA Barendrecht             | 93.830   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JI  | Rietwaard 20 3274MA Heinenoord                | 92.863   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JJ  | Stekkant 89 2993DB Barendrecht                | 94.071   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 92.237   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JK  | Müllerhaven 36 2993EA Barendrecht             | 93.833   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 92.832   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 92.537   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jL  | Stekkant 73 2993DB Barendrecht                | 93.961   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 92.403   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jM  | Aalwater 20 2993DD Barendrecht                | 93.999   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jN  | Stekkant 111 2993DB Barendrecht               | 94.073   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 92.783   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Smithaven 6 2993EC Barendrecht                | 93.821   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Oosteinde 45 3274KB Heinenoord                | 92.627   | 426.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jP  | Müllerhaven 52 2993EA Barendrecht             | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 92.369   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 92.291   | 426.989   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jQ  | Smithaven 35 2993EC Barendrecht               | 93.707   | 428.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 92.439   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jR  | Müllerhaven 6 2993EA Barendrecht              | 93.824   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Stekkant 127 2993DB Barendrecht               | 94.066   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Kalesland 32 3274CH Heinenoord                | 92.533   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jT  | Van Hobokenhaven 61 2993HH Barendrecht        | 93.459   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Talmahof 2 3274CN Heinenoord                  | 92.489   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jU  | Smithaven 18 2993EC Barendrecht               | 93.764   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 92.213   | 426.773   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | Swarttouwhaven 52 2993HP Barendrecht          | 93.503   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 92.871   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jW  | Kabbelkant 6 2993DC Barendrecht               | 94.010   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 92.519   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jX  | Meeshaven 7 2993HN Barendrecht                | 93.653   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 92.331   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 92.531   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JY  | Müllerhaven 44 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 92.292   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jZ  | Ruyshaven 3 2993HM Barendrecht                | 93.579   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 93.552   | 425.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 97.186   | 427.580   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kA  | Swarttouwhaven 42 2993HP Barendrecht          | 93.497   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Talmahof 8 3274CN Heinenoord                  | 92.490   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 93.497   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Irenestraat 28 3274AE Heinenoord              | 92.285   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 92.501   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Van Hobokenhaven 27 2993HH Barendrecht        | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Marijkestaat 6 3274AJ Heinenoord              | 92.239   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 92.522   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Krölleghaven 29 2993ED Barendrecht            | 93.859   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 93.583   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 92.401   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Stekkant 147 2993DB Barendrecht               | 94.069   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Emmastraat 30 3274AC Heinenoord               | 92.214   | 426.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 92.354   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kh  | Van Hobokenhaven 59 2993HH Barendrecht        | 93.454   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kl  | Aalwater 4 2993DD Barendrecht                 | 93.959   | 428.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Emmastraat 32 3274AC Heinenoord               | 92.208   | 426.810   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 92.289   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 93.761   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | De Laagjes 21 3274CB Heinenoord               | 92.500   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | Aalwater 19 2993DD Barendrecht                | 94.000   | 428.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Steurwater 13 2993DE Barendrecht              | 93.944   | 428.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| KL Buitenlanden 1              | 3274MB Heinenoord  | 92.887   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KM Irenestraat 3               | 3274AD Heinenoord  | 92.236   | 426.951   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KM Vederhaven 3                | 2993EB Barendrecht | 93.772   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Van Hobokenhaven 39         | 2993HH Barendrecht | 93.459   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Irenestraat 36              | 3274AE Heinenoord  | 92.272   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Emmastraat 20               | 3274AC Heinenoord  | 92.289   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Müllerhaven 8               | 2993EA Barendrecht | 93.832   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Steekkant 129               | 2993DB Barendrecht | 94.067   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Oosteinde 41                | 3274KB Heinenoord  | 92.653   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ Steekkant 149               | 2993DB Barendrecht | 94.067   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ John F. Kennedystraat 35    | 3274CG Heinenoord  | 92.502   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Avenhil 30                  | 3274CT Heinenoord  | 92.734   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Smithaven 59                | 2993EC Barendrecht | 93.702   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS Ruyshaven 4                 | 2993HM Barendrecht | 93.551   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS John F. Kennedystraat 55    | 3274CG Heinenoord  | 92.593   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Martin Luther Kingstraat 34 | 3274CL Heinenoord  | 92.495   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Swarttouwhaven 10           | 2993HP Barendrecht | 93.585   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Steekkant 109               | 2993DB Barendrecht | 94.071   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Koomansland 6               | 3274CJ Heinenoord  | 92.414   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Boerengorzen 8              | 3274CV Heinenoord  | 92.749   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Müllerhaven 42              | 2993EA Barendrecht | 93.833   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kW Müllerhaven 48              | 2993EA Barendrecht | 93.826   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KW Margrietstraat 20           | 3274AH Heinenoord  | 92.329   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Dorpsstraat 1 A             | 3274BB Heinenoord  | 92.553   | 426.618   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kX Kröllerhaven 53             | 2993ED Barendrecht | 93.744   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kY Steekkant 57                | 2993DB Barendrecht | 93.962   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY John F. Kennedystraat 5     | 3274CG Heinenoord  | 92.402   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kalesland 72                | 3274CH Heinenoord  | 92.605   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kröllerhaven 23             | 2993ED Barendrecht | 93.860   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| L Reedijk 2                    | 3274KE Heinenoord  | 93.694   | 425.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •L Achterzeedijk 1 a 38        | 2991SB Barendrecht | 97.175   | 427.568   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LA John F. Kennedystraat 67    | 3274CG Heinenoord  | 92.708   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Ruyshaven 8                 | 2993HM Barendrecht | 93.556   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LB Wouter van den Walestr 28   | 3274CR Heinenoord  | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Swarttouwhaven 44           | 2993HP Barendrecht | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Müllerhaven 56              | 2993EA Barendrecht | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LC Dreeshof 11                 | 3274CC Heinenoord  | 92.522   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LD John F. Kennedystraat 22    | 3274CG Heinenoord  | 92.736   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ID Steekkant 22                | 2993DB Barendrecht | 94.033   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LE Kalesland 18                | 3274CH Heinenoord  | 92.498   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE Meeshaven 2                 | 2993HN Barendrecht | 93.625   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF Aalwater 14                 | 2993DD Barendrecht | 93.984   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LF Koomansland 18              | 3274CJ Heinenoord  | 92.388   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG Steekkant 55                | 2993DB Barendrecht | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LG Boerengorzen 4              | 3274CV Heinenoord  | 92.749   | 426.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LH Julianalaan 40              | 3274AG Heinenoord  | 92.149   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH Steekkant 77                | 2993DB Barendrecht | 93.966   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II Steekkant 115               | 2993DB Barendrecht | 94.076   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| L1 John F. Kennedystraat 13    | 3274CG Heinenoord  | 92.408   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ Kröllerhaven 37             | 2993ED Barendrecht | 93.819   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LJ Rietwaard 24                | 3274MA Heinenoord  | 92.894   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK Kröllerhaven 39             | 2993ED Barendrecht | 93.810   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LK Heyne van Althenastraat 30  | 3274CD Heinenoord  | 92.525   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LL Kalesland 7                 | 3274CH Heinenoord  | 92.523   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL Swarttouwhaven 30           | 2993HP Barendrecht | 93.498   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LM Julianalaan 46              | 3274AG Heinenoord  | 92.159   | 427.083   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM Steekkant 19                | 2993DB Barendrecht | 93.966   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LN Marijkestraat 1 B           | 3274AJ Heinenoord  | 92.231   | 427.075   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN Steekkant 12                | 2993DB Barendrecht | 93.974   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO Müllerhaven 24              | 2993EA Barendrecht | 93.834   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LO Irenestraat 10              | 3274AE Heinenoord  | 92.256   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP Spieringwater 8             | 2993DM Barendrecht | 94.126   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LP Wiardi Beckmanhof 7         | 3274CX Heinenoord  | 92.663   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| IQ  | Kröllehaven 51 2993ED Barendrecht             | 93.754   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LQ  | Spuivelden 8 3274CM Heinenoord                | 92.576   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord      | 92.853   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kabbelkant 2 2993DC Barendrecht               | 94.009   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Stekkant 10 2993DB Barendrecht                | 93.969   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LS  | Beatrixstraat 34 3274AA Heinenoord            | 92.201   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LT  | Marijkestraat 2 3274AJ Heinenoord             | 92.226   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Swarttouwhaven 20 2993HP Barendrecht          | 93.499   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord | 92.420   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Kabbelkant 8 2993DC Barendrecht               | 94.011   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Koedood 8 2993AL Barendrecht                  | 93.740   | 428.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LV  | Rietwaard 5 3274MA Heinenoord                 | 92.841   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord   | 92.438   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Kröllehaven 41 2993ED Barendrecht             | 93.800   | 428.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LX  | Rietwaard 6 3274MA Heinenoord                 | 92.809   | 426.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Stekkant 63 2993DB Barendrecht                | 93.955   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord    | 92.799   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY  | Stekkant 101 2993DB Barendrecht               | 94.071   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LZ  | Avenhil 36 3274CT Heinenoord                  | 92.723   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Stekkant 1 2993DB Barendrecht                 | 93.956   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| M   | Reedijk 3 3274KE Heinenoord                   | 93.749   | 425.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht       | 97.168   | 427.550   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MA  | Irenestraat 26 3274AE Heinenoord              | 92.279   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mA  | Müllerhaven 58 2993EA Barendrecht             | 93.825   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mB  | Stekkant 15 2993DB Barendrecht                | 93.960   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord       | 92.800   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mC  | Müllerhaven 12 2993EA Barendrecht             | 93.833   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MC  | Oranjestraat 26 3274AK Heinenoord             | 92.200   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mD  | Stekkant 133 2993DB Barendrecht               | 94.075   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MD  | Avenhil 23 3274CT Heinenoord                  | 92.710   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mE  | Aalwater 13 2993DD Barendrecht                | 93.982   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ME  | Dorpsstraat 1 3274BB Heinenoord               | 92.476   | 426.622   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mF  | Swarttouwhaven 24 2993HP Barendrecht          | 93.499   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MF  | Kalesland 58 3274CH Heinenoord                | 92.596   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord   | 92.361   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mg  | Stekkant 37 2993DB Barendrecht                | 93.964   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mH  | Kabbelkant 4 2993DC Barendrecht               | 94.010   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MH  | Irenestraat 48 3274AE Heinenoord              | 92.309   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Avenhil 13 3274CT Heinenoord                  | 92.682   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mI  | Steurwater 5 2993DE Barendrecht               | 93.941   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mJ  | Vederhaven 11 2993EB Barendrecht              | 93.751   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MJ  | Kalesland 1 3274CH Heinenoord                 | 92.524   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mK  | Swarttouwhaven 48 2993HP Barendrecht          | 93.496   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MK  | Koomansland 5 3274CJ Heinenoord               | 92.449   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ML  | Margrietstraat 9 3274AH Heinenoord            | 92.288   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mL  | Stekkant 153 2993DB Barendrecht               | 94.065   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MM  | Emmastraat 16 3274AC Heinenoord               | 92.279   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mm  | Stekkant 24 2993DB Barendrecht                | 94.031   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MN  | Irenestraat 1 3274AD Heinenoord               | 92.232   | 426.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mN  | Stekkant 16 2993DB Barendrecht                | 93.985   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mO  | Stekkant 14 2993DB Barendrecht                | 93.980   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MO  | Avenhil 10 3274CT Heinenoord                  | 92.633   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MP  | Spuivelden 15 3274CM Heinenoord               | 92.578   | 426.840   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mp  | Smithaven 2 2993EC Barendrecht                | 93.839   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord        | 92.700   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mQ  | Aalwater 8 2993DD Barendrecht                 | 93.969   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MR  | Talmahof 9 3274CN Heinenoord                  | 92.435   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mR  | Stekkant 53 2993DB Barendrecht                | 93.959   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mS  | Smithaven 43 2993EC Barendrecht               | 93.705   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MS  | Beatrixstraat 48 3274AA Heinenoord            | 92.211   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mT  | Müllerhaven 72 2993EA Barendrecht             | 93.832   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MT  | De Laagjes 26 3274CB Heinenoord               | 92.515   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MU  | Bernhardstraat 6 3274AB Heinenoord            | 92.233   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| mU  | Smithaven 14 2993EC Barendrecht               | 93.783   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MV  | Wiardi Beckmanhof 11 3274CX Heinenoord        | 92.674   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mV  | Van Hobokenhaven 45 2993HH Barendrecht        | 93.458   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mW  | Stekkant 48 2993DB Barendrecht                | 94.081   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MW  | Julianastraat 42 3274AG Heinenoord            | 92.154   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MX  | De Laagjes 22 3274CB Heinenoord               | 92.502   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mX  | Stekkant 75 2993DB Barendrecht                | 93.957   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mY  | Stekkant 91 2993DB Barendrecht                | 94.069   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MY  | Koimansland 13 3274CJ Heinenoord              | 92.469   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mZ  | Aalwater 18 2993DD Barendrecht                | 93.994   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MZ  | Kalesland 46 3274CH Heinenoord                | 92.560   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| N   | Blaaksedijk West 31 3274LD Heinenoord         | 94.016   | 425.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •N  | Achterzeedijk 1 a 40 2991SB Barendrecht       | 97.158   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NA  | Spuivelden 9 3274CM Heinenoord                | 92.530   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nA  | Aalwater 16 2993DD Barendrecht                | 93.989   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nB  | Stekkant 17 2993DB Barendrecht                | 93.960   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NB  | John F. Kennedystraat 43 3274CG Heinenoord    | 92.525   | 426.966   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NC  | Irenestraat 20 3274AE Heinenoord              | 92.261   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nC  | Zalmwater 155 2993DX Barendrecht              | 94.060   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ND  | Oranjestraat 31 3274AK Heinenoord             | 92.285   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nD  | Müllerhaven 60 2993EA Barendrecht             | 93.830   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nE  | Swarttouwhaven 18 2993HP Barendrecht          | 93.502   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NE  | Kalesland 28 3274CH Heinenoord                | 92.525   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nF  | Zalmwater 151 2993DX Barendrecht              | 94.079   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NF  | Martin Luther Kingstraat 50 3274CL Heinenoord | 92.561   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NG  | Prof. Teldersstraat 30 3274MC Heinenoord      | 92.868   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nG  | Van Hobokenhaven 47 2993HH Barendrecht        | 93.456   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nH  | Smithaven 33 2993EC Barendrecht               | 93.708   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NH  | Dorpsstraat 7 3274BH Heinenoord               | 92.395   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nI  | Müllerhaven 4 2993EA Barendrecht              | 93.828   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NI  | Kalesland 64 3274CH Heinenoord                | 92.596   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nJ  | Smithaven 39 2993EC Barendrecht               | 93.706   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NJ  | Andries Woutershof 8 3274CA Heinenoord        | 92.473   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NK  | Beatrixstraat 23 3274AA Heinenoord            | 92.186   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nK  | Müllerhaven 10 2993EA Barendrecht             | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NL  | Prof. Teldersstraat 5 3274CZ Heinenoord       | 92.800   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nL  | Stekkant 131 2993DB Barendrecht               | 94.069   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nM  | Van Hobokenhaven 63 2993HH Barendrecht        | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NM  | Oosteinde 24 3274KC Heinenoord                | 92.685   | 426.638   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nN  | Stekkant 23 2993DB Barendrecht                | 93.955   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NN  | Prof. Teldersstraat 7 3274CZ Heinenoord       | 92.801   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NO  | Koimansland 1 3274CJ Heinenoord               | 92.450   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nO  | Stekkant 50 2993DB Barendrecht                | 94.087   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NP  | Buitelanden 21 3274MB Heinenoord              | 92.902   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nP  | Stekkant 20 2993DB Barendrecht                | 93.995   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nQ  | Müllerhaven 64 2993EA Barendrecht             | 93.835   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NQ  | Marijkestraat 9 3274AJ Heinenoord             | 92.285   | 427.067   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nR  | Kröllerhaven 15 2993ED Barendrecht            | 93.862   | 428.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NR  | John F. Kennedystraat 79 3274CG Heinenoord    | 92.788   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nS  | Stekkant 79 2993DB Barendrecht                | 93.961   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NS  | John F. Kennedystraat 34 3274CG Heinenoord    | 92.808   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NT  | Kalesland 6 3274CH Heinenoord                 | 92.480   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nT  | Stekkant 35 2993DB Barendrecht                | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nU  | Kröllerhaven 33 2993ED Barendrecht            | 93.837   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NU  | Koimansland 2 3274CJ Heinenoord               | 92.415   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NV  | John F. Kennedystraat 24 3274CG Heinenoord    | 92.742   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nV  | Swarttouwhaven 38 2993HP Barendrecht          | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NW  | John F. Kennedystraat 27 3274CG Heinenoord    | 92.453   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nW  | Kabbelkant 16 2993DC Barendrecht              | 94.014   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nX  | Van Hobokenhaven 35 2993HH Barendrecht        | 93.458   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NX  | Oosteinde 16 3274KC Heinenoord                | 92.757   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NY  | Irenestraat 19 3274AD Heinenoord              | 92.246   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nY  | Meeshaven 18 2993HN Barendrecht               | 93.637   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| NZ  | Bernhardstraat 4 3274AB Heinenoord            | 92.227   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nZ  | Ruyshaven 7 2993HM Barendrecht                | 93.583   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| O   | Blaaksedijk West 32 3274LE Heinenoord         | 93.953   | 425.690   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •O  | Achterzeedijk 1 a 41 2991SB Barendrecht       | 97.153   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OA  | Boerengorzen 2 3274CV Heinenoord              | 92.753   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oA  | Müllerhaven 62 2993EA Barendrecht             | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oB  | Smithaven 27 2993EC Barendrecht               | 93.709   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OB  | Martin Luther Kingstraat 6 3274CK Heinenoord  | 92.386   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oC  | Aalwater 21 2993DD Barendrecht                | 94.015   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OC  | Prof. Teldersstraat 27 3274CZ Heinenoord      | 92.824   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oD  | Swarttouwhaven 56 2993HP Barendrecht          | 93.506   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OD  | Irenestraat 44 3274AE Heinenoord              | 92.296   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OE  | Kalesland 22 3274CH Heinenoord                | 92.508   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oE  | Van Hobokenhaven 21 2993HH Barendrecht        | 93.453   | 428.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OF  | Marijkestraat 4 3274AJ Heinenoord             | 92.232   | 427.051   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oF  | Kröllerhaven 27 2993ED Barendrecht            | 93.859   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OG  | Wiardi Beckmanhof 1 3274CX Heinenoord         | 92.661   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oG  | Kröllerhaven 19 2993ED Barendrecht            | 93.861   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OH  | Emmastraat 2 F 3274AC Heinenoord              | 92.220   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oH  | Ruyshaven 2 2993HM Barendrecht                | 93.551   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OI  | Koomansland 22 3274CJ Heinenoord              | 92.398   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oI  | Koedoed 2 b 2993AL Barendrecht                | 93.846   | 428.476   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ  | Prof. Teldersstraat 26 3274MC Heinenoord      | 92.857   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oJ  | Swarttouwhaven 60 2993HP Barendrecht          | 93.501   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OK  | Avenhil 12 3274CT Heinenoord                  | 92.653   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oK  | Müllerhaven 28 2993EA Barendrecht             | 93.834   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oL  | Spieringwater 14 2993DM Barendrecht           | 94.128   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OL  | Martin Luther Kingstraat 46 3274CL Heinenoord | 92.532   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oM  | Aalwater 7 2993DD Barendrecht                 | 93.967   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OM  | Heyne van Althenastraat 10 3274CD Heinenoord  | 92.434   | 426.746   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oN  | Steekkant 34 2993DB Barendrecht               | 94.029   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ON  | Rietwaard 10 3274MA Heinenoord                | 92.812   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oO  | Steekkant 61 2993DB Barendrecht               | 93.965   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OO  | Martin Luther Kingstraat 62 3274CL Heinenoord | 92.599   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OP  | Avenhil 40 3274CT Heinenoord                  | 92.701   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oP  | Steekkant 167 2993DB Barendrecht              | 94.129   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OQ  | Emmastraat 28 3274AC Heinenoord               | 92.225   | 426.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oQ  | Van Hobokenhaven 57 2993HH Barendrecht        | 93.462   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OR  | Steekkant 159 2993DB Barendrecht              | 94.069   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OR  | Avenhil 16 3274CT Heinenoord                  | 92.666   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OS  | Irenestraat 46 3274AE Heinenoord              | 92.303   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oS  | Kröllerhaven 21 2993ED Barendrecht            | 93.860   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oT  | Ruyshaven 6 2993HM Barendrecht                | 93.555   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OT  | Kalesland 5 3274CH Heinenoord                 | 92.524   | 426.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OU  | Oranjestraat 29 3274AK Heinenoord             | 92.278   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oU  | Koedoed 18 2993AL Barendrecht                 | 93.530   | 428.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OV  | Prof. Teldersstraat 49 3274MC Heinenoord      | 92.877   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oV  | Van Hobokenhaven 67 2993HH Barendrecht        | 93.452   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oW  | Swarttouwhaven 54 2993HP Barendrecht          | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OW  | Irenestraat 16 3274AE Heinenoord              | 92.260   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oX  | Kabbelkant 10 2993DC Barendrecht              | 94.011   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OX  | De Laagjes 16 3274CB Heinenoord               | 92.486   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oY  | Smithaven 8 2993EC Barendrecht                | 93.812   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OY  | Wouter van den Walestr 52 3274CS Heinenoord   | 92.362   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ  | Müllerhaven 26 2993EA Barendrecht             | 93.828   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ  | Martin Luther Kingstraat 24 3274CK Heinenoord | 92.451   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| P   | Blaaksedijk West 33 3274LD Heinenoord         | 94.002   | 425.633   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •P  | Achterzeedijk 1 a 42 2991SB Barendrecht       | 97.152   | 427.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PA  | Wouter van den Walestr 76 3274CS Heinenoord   | 92.366   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pA  | Steekkant 163 2993DB Barendrecht              | 94.078   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pB  | Steekkant 93 2993DB Barendrecht               | 94.071   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PB  | Avenhil 20 3274CT Heinenoord                  | 92.705   | 426.937   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PC  | Martin Luther Kingstraat 10 3274CK Heinenoord | 92.408   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| pC  | Van Hobokenhaven 23 2993HH Barendrecht        | 93.453   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 92.335   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 93.504   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pE  | Steekkant 32 2993DB Barendrecht               | 94.029   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 92.867   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pF  | Steekkant 99 2993DB Barendrecht               | 94.073   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 92.780   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pG  | Smithaven 10 2993EC Barendrecht               | 93.803   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 92.678   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pH  | Aalwater 1 2993DD Barendrecht                 | 93.941   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PH  | Rietwaard 2 3274MA Heinenoord                 | 92.810   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 92.729   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pI  | Steekkant 161 2993DB Barendrecht              | 94.077   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pJ  | Kröllerhaven 2 2993ED Barendrecht             | 93.779   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 92.235   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pK  | Smithaven 21 2993EC Barendrecht               | 93.710   | 428.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 92.831   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PL  | Kalesland 10 3274CH Heinenoord                | 92.480   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PM  | Avenhil 6 3274CT Heinenoord                   | 92.633   | 426.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pM  | Steekkant 139 2993DB Barendrecht              | 94.077   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pN  | Zalmwater 139 2993DX Barendrecht              | 94.117   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 92.788   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pO  | Kröllerhaven 47 2993ED Barendrecht            | 93.772   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PO  | Kalesland 26 3274CH Heinenoord                | 92.519   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pP  | Steekkant 9 2993DB Barendrecht                | 93.960   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 92.831   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 92.464   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 93.972   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PR  | Hermannushof 10 3274CE Heinenoord             | 92.535   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pR  | Steekkant 95 2993DB Barendrecht               | 94.073   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 93.571   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 92.498   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pT  | Smithaven 25 2993EC Barendrecht               | 93.709   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 92.330   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 92.578   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 93.542   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pV  | Smithaven 23 2993EC Barendrecht               | 93.710   | 428.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PV  | Irenestraat 12 3274AE Heinenoord              | 92.258   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pW  | Steekkant 28 2993DB Barendrecht               | 94.030   | 428.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 92.624   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 93.834   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 92.433   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pY  | Steekkant 5 2993DB Barendrecht                | 93.956   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 92.831   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 92.213   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Q   | Blaaksedijk West 47 3274LD Heinenoord         | 93.612   | 425.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 97.150   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 93.827   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 92.860   | 426.635   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QB  | Koimansland 12 3274CJ Heinenoord              | 92.405   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qb  | Steekkant 6 2993DB Barendrecht                | 93.959   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 92.202   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qc  | Steekkant 25 2993DB Barendrecht               | 93.961   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QD  | Avenhil 11 3274CT Heinenoord                  | 92.633   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qd  | Smithaven 51 2993EC Barendrecht               | 93.704   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QE  | De Laagjes 17 3274CB Heinenoord               | 92.501   | 426.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qe  | Müllerhaven 22 2993EA Barendrecht             | 93.830   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Steekkant 143 2993DB Barendrecht              | 94.073   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QF  | Marijkestraat 7 3274AJ Heinenoord             | 92.278   | 427.068   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 93.557   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QG  | Avenhil 34 3274CT Heinenoord                  | 92.711   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| qH Steekkant 7                 | 2993DB Barendrecht | 93.956   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QH Koomansland 14              | 3274CJ Heinenoord  | 92.405   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QI Irenestraat 13              | 3274AD Heinenoord  | 92.242   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qI Steekkant 45                | 2993DB Barendrecht | 93.958   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QJ Martin Luther Kingstraat 68 | 3274CL Heinenoord  | 92.619   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qJ Koedood 25                  | 2993AL Barendrecht | 93.183   | 428.725   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QK Prof. Teldersstraat 13      | 3274CZ Heinenoord  | 92.799   | 427.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qK Steekkant 47                | 2993DB Barendrecht | 93.955   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QL Andries Woutershof 24       | 3274CA Heinenoord  | 92.503   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qL Aalwater 10                 | 2993DD Barendrecht | 93.974   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qM Van Hobokenhaven 53         | 2993HH Barendrecht | 93.463   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QM De Laagjes 19               | 3274CB Heinenoord  | 92.500   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QN Kalesland 38                | 3274CH Heinenoord  | 92.540   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qN Müllerhaven 46              | 2993EA Barendrecht | 93.827   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qO Müllerhaven 68              | 2993EA Barendrecht | 93.835   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QO Marijkestraat 21            | 3274AJ Heinenoord  | 92.328   | 427.057   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qP Steurwater 1                | 2993DE Barendrecht | 93.940   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QP De Laagjes 4                | 3274CB Heinenoord  | 92.440   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QQ John F. Kennedystraat 19    | 3274CG Heinenoord  | 92.428   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qQ Koedood 6                   | 2993AL Barendrecht | 93.795   | 428.465   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qr Zalmwater 157               | 2993DX Barendrecht | 94.060   | 428.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QR Bernhardstraat 3            | 3274AB Heinenoord  | 92.201   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qS Spieringwater 4             | 2993DM Barendrecht | 94.126   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QS Oosteinde 37                | 3274KB Heinenoord  | 92.676   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QT De Laagjes 28               | 3274CB Heinenoord  | 92.520   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qT Spieringwater 10            | 2993DM Barendrecht | 94.127   | 428.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QU Thorbeckehof 3              | 3274CP Heinenoord  | 92.607   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qU Spieringwater 2             | 2993DM Barendrecht | 94.125   | 428.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qV Steekkant 54                | 2993DB Barendrecht | 94.098   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qv De Laagjes 20               | 3274CB Heinenoord  | 92.498   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qW Buitelanden 4               | 3274MB Heinenoord  | 92.916   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qW Swarttouwhaven 62           | 2993HP Barendrecht | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QX Wiardi Beckmanhof 15        | 3274CX Heinenoord  | 92.700   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qX Steurwater 11               | 2993DE Barendrecht | 93.942   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QY Emmastraat 2 E              | 3274AC Heinenoord  | 92.225   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qY Swarttouwhaven 36           | 2993HP Barendrecht | 93.503   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qZ Kabbelkant 14               | 2993DC Barendrecht | 94.012   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QZ Koomansland 8               | 3274CJ Heinenoord  | 92.414   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| R Blaaksedijk West 24          | 3274LE Heinenoord  | 94.107   | 425.624   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •R Achterzeedijk 1 a 44        | 2991SB Barendrecht | 97.144   | 427.538   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RA John F. Kennedystraat 33    | 3274CG Heinenoord  | 92.496   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rA Steekkant 41                | 2993DB Barendrecht | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rB Steekkant 81                | 2993DB Barendrecht | 93.962   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RB Boerengorzen 3              | 3274CV Heinenoord  | 92.780   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RC Kalesland 70                | 3274CH Heinenoord  | 92.605   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rC Koedood 14                  | 2993AL Barendrecht | 93.601   | 428.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rD Müllerhaven 40              | 2993EA Barendrecht | 93.825   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RD Abraham Kuyperhof 16        | 3274CW Heinenoord  | 92.765   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rE Aalwater 11                 | 2993DD Barendrecht | 93.977   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RE Avenhil 28                  | 3274CT Heinenoord  | 92.724   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rF Smithaven 37                | 2993EC Barendrecht | 93.707   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RF Oosteinde 22                | 3274KC Heinenoord  | 92.697   | 426.642   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rg Van Hobokenhaven 33         | 2993HH Barendrecht | 93.460   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RG Andries Woutershof 16       | 3274CA Heinenoord  | 92.494   | 426.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rH Aalwater 15                 | 2993DD Barendrecht | 93.987   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RH Prof. Teldersstraat 32      | 3274MC Heinenoord  | 92.873   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rl Steekkant 85                | 2993DB Barendrecht | 94.010   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RI Emmastraat 34               | 3274AC Heinenoord  | 92.196   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rJ Zalmwater 141               | 2993DX Barendrecht | 94.111   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RJ Oranjestraat 23             | 3274AK Heinenoord  | 92.259   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RK John F. Kennedystraat 89    | 3274CG Heinenoord  | 92.862   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rK Smithaven 12                | 2993EC Barendrecht | 93.794   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rL Steekkant 44                | 2993DB Barendrecht | 94.071   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord  | 92.428   | 426.723   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RM  | Oranjestraat 17 3274AK Heinenoord             | 92.221   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rM  | Stekkant 4 2993DB Barendrecht                 | 93.954   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RN  | Buitenlanden 13 3274MB Heinenoord             | 92.894   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rN  | Van Hobokenhaven 37 2993HH Barendrecht        | 93.460   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RO  | Bernhardstraat 2 3274AB Heinenoord            | 92.220   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rO  | Van Hobokenhaven 19 2993HH Barendrecht        | 93.459   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RP  | Buitenlanden 17 3274MB Heinenoord             | 92.902   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rP  | Calandhaven 1 2993HL Barendrecht              | 93.488   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rQ  | Koedood 22 2993AL Barendrecht                 | 93.468   | 428.458   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RQ  | Marijkestraat 1 C 3274AJ Heinenoord           | 92.240   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RR  | Irenestraat 40 3274AE Heinenoord              | 92.284   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rR  | Aalwater 2 2993DD Barendrecht                 | 93.946   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rS  | Stekkant 103 2993DB Barendrecht               | 94.069   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RS  | Bernhardstraat 16 3274AB Heinenoord           | 92.264   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RT  | Buitenlanden 12 3274MB Heinenoord             | 92.929   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rT  | Aalwater 5 2993DD Barendrecht                 | 93.962   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rU  | Kröllehaven 31 2993ED Barendrecht             | 93.857   | 428.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RU  | Wouter van den Walestr 26 3274CR Heinenoord   | 92.329   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rV  | Smithaven 53 2993EC Barendrecht               | 93.703   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RV  | Boerengorzen 9 3274CV Heinenoord              | 92.781   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rW  | Müllerhaven 30 2993EA Barendrecht             | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RW  | Emmastraat 3 3274AC Heinenoord                | 92.223   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rX  | Swarttouwhaven 58 2993HP Barendrecht          | 93.503   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RX  | De Laagjes 2 3274CB Heinenoord                | 92.436   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rY  | Vederhaven 15 2993EB Barendrecht              | 93.740   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RY  | Koimansland 28 3274CJ Heinenoord              | 92.417   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rZ  | Smithaven 57 2993EC Barendrecht               | 93.703   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RZ  | Prof. Teldersstraat 31 3274MC Heinenoord      | 92.850   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| S   | Reedijk 3 A 3274KE Heinenoord                 | 93.739   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •S  | Achterzeedijk 1 a 45 2991SB Barendrecht       | 97.138   | 427.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sA  | Swarttouwhaven 26 2993HP Barendrecht          | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SA  | Wouter van den Walestr 18 3274CR Heinenoord   | 92.333   | 426.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SB  | Oranjestraat 15 3274AK Heinenoord             | 92.215   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sB  | Smithaven 29 2993EC Barendrecht               | 93.708   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SC  | Heyne van Althenastraat 26 3274CD Heinenoord  | 92.476   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sC  | Stekkant 145 2993DB Barendrecht               | 94.071   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SD  | Martin Luther Kingstraat 48 3274CL Heinenoord | 92.538   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sD  | Aalwater 3 2993DD Barendrecht                 | 93.957   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SE  | Willem de Zwijgerstraat 8 3274AL Heinenoord   | 92.161   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sE  | Zalmwater 153 2993DX Barendrecht              | 94.071   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SF  | John F. Kennedystraat 36 3274CG Heinenoord    | 92.809   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sF  | Vederhaven 17 2993EB Barendrecht              | 93.734   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SG  | Wouter van den Walestr 44 3274CS Heinenoord   | 92.362   | 426.956   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sG  | Swarttouwhaven 34 2993HP Barendrecht          | 93.503   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SH  | Wiardi Beckmanhof 12 3274CX Heinenoord        | 92.678   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sH  | Müllerhaven 76 2993EA Barendrecht             | 93.836   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| S1  | Margrietstraat 14 3274AH Heinenoord           | 92.322   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| s1  | Meeshaven 14 2993HN Barendrecht               | 93.628   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sJ  | Smithaven 20 2993EC Barendrecht               | 93.755   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SJ  | Prof. Teldersstraat 43 3274MC Heinenoord      | 92.877   | 427.033   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK  | De Laagjes 18 3274CB Heinenoord               | 92.492   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sK  | Stekkant 123 2993DB Barendrecht               | 94.069   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SL  | Wouter van den Walestr 56 3274CS Heinenoord   | 92.364   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sL  | Stekkant 59 2993DB Barendrecht                | 93.954   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sM  | Stekkant 39 2993DB Barendrecht                | 93.956   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SM  | Zomerlandseweg 2 3274LX Heinenoord            | 92.961   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sN  | Müllerhaven 66 2993EA Barendrecht             | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SN  | Spuivelden 21 3274CM Heinenoord               | 92.578   | 426.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sO  | Steurwater 7 2993DE Barendrecht               | 93.941   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SO  | Koimansland 36 3274CJ Heinenoord              | 92.445   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SP  | John F. Kennedystraat 7 3274CG Heinenoord     | 92.402   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sP  | Stekkant 155 2993DB Barendrecht               | 94.065   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| sQ  | Meeshaven 8 2993HN Barendrecht              | 93.626   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SQ  | Hermannushof 24 3274CE Heinenoord           | 92.579   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sR  | Stekkant 27 2993DB Barendrecht              | 93.957   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SR  | Koimansland 11 3274CJ Heinenoord            | 92.465   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sS  | Aalwater 17 2993DD Barendrecht              | 93.993   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SS  | Hermannushof 26 3274CE Heinenoord           | 92.580   | 426.727   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sT  | Stekkant 119 2993DB Barendrecht             | 94.073   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ST  | Oosteinde 28 3274KC Heinenoord              | 92.662   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SU  | Irenestraat 21 3274AD Heinenoord            | 92.247   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sU  | Kröllerhaven 4 2993ED Barendrecht           | 93.770   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sV  | Ruyschen 9 2993HM Barendrecht               | 93.582   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SV  | Bernhardstraat 12 3274AB Heinenoord         | 92.250   | 426.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SW  | Spuivelden 2 3274CM Heinenoord              | 92.560   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sW  | Spieringwater 6 2993DM Barendrecht          | 94.126   | 428.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SX  | Emmastraat 26 3274AC Heinenoord             | 92.231   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sX  | Swarttouwhaven 28 2993HP Barendrecht        | 93.495   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SY  | Rietwaard 1 3274MA Heinenoord               | 92.843   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sY  | Ruyschen 11 2993HM Barendrecht              | 93.583   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sZ  | Swarttouwhaven 66 2993HP Barendrecht        | 93.499   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SZ  | John F. Kennedystraat 26 3274CG Heinenoord  | 92.782   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| T   | Blaaksedijk West 43 3274LD Heinenoord       | 93.856   | 425.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •T  | Achterzeedijk 1 a 46 2991SB Barendrecht     | 97.131   | 427.584   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tA  | Van Hobokenhaven 65 2993HH Barendrecht      | 93.457   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TA  | Prof. Teldersstraat 15 3274CZ Heinenoord    | 92.800   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TB  | Wouter van den Walestr 12 3274CR Heinenoord | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tB  | Smithaven 31 2993EC Barendrecht             | 93.708   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tC  | Stekkant 137 2993DB Barendrecht             | 94.077   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TC  | Avenhil 24 3274CT Heinenoord                | 92.705   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tD  | Stekkant 105 2993DB Barendrecht             | 94.068   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TD  | Prof. Teldersstraat 21 3274CZ Heinenoord    | 92.827   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TE  | De Laagjes 5 3274CB Heinenoord              | 92.458   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tE  | Zalmwater 133 2993DX Barendrecht            | 94.137   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TF  | John F. Kennedystraat 57 3274CG Heinenoord  | 92.598   | 426.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tF  | Kröllerhaven 43 2993ED Barendrecht          | 93.792   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tG  | Van Hobokenhaven 15 2993HH Barendrecht      | 93.456   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TG  | Rietwaard 14 3274MA Heinenoord              | 92.807   | 426.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tH  | Stekkant 11 2993DB Barendrecht              | 93.954   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TH  | Koimansland 10 3274CJ Heinenoord            | 92.405   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TI  | Abraham Kuyperhof 7 3274CW Heinenoord       | 92.727   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tI  | Stekkant 67 2993DB Barendrecht              | 93.965   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tJ  | Stekkant 52 2993DB Barendrecht              | 94.092   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TJ  | Kalesland 4 3274CH Heinenoord               | 92.481   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tK  | Müllerhaven 82 2993EA Barendrecht           | 93.826   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TK  | Oranjestraat 20 3274AK Heinenoord           | 92.181   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tL  | Müllerhaven 34 2993EA Barendrecht           | 93.831   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TL  | Dreeshof 2 3274CC Heinenoord                | 92.574   | 426.985   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TM  | Hermannushof 16 3274CE Heinenoord           | 92.553   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tM  | Stekkant 31 2993DB Barendrecht              | 93.964   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TN  | Wiardi Beckmanhof 14 3274CX Heinenoord      | 92.700   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tN  | Vederhaven 1 2993EB Barendrecht             | 93.778   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TO  | Wiardi Beckmanhof 2 3274CX Heinenoord       | 92.661   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tO  | Müllerhaven 50 2993EA Barendrecht           | 93.831   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tP  | Koedoed 4 2993AL Barendrecht                | 93.802   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TP  | Beatrixstraat 17 3274AA Heinenoord          | 92.181   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tQ  | Smithaven 49 2993EC Barendrecht             | 93.704   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TQ  | John F. Kennedystraat 37 3274CG Heinenoord  | 92.508   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tR  | Koedoed 2 a 2993AL Barendrecht              | 94.006   | 428.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TR  | Oranjestraat 11 A 3274AK Heinenoord         | 92.173   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TS  | Spuivelden 5 3274CM Heinenoord              | 92.530   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tS  | Kröllerhaven 6 2993ED Barendrecht           | 93.761   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TT  | Prof. Teldersstraat 4 3274MC Heinenoord     | 92.831   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tT  | Smithaven 22 2993EC Barendrecht             | 93.746   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TU  | Dorpsstraat 32 3274BD Heinenoord            | 92.203   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                           | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                               |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| tU Steekkant 121              | 2993DB Barendrecht | 94.071   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tV Steekkant 135              | 2993DB Barendrecht | 94.077   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TV Prof. Teldersstraat 12     | 3274MC Heinenoord  | 92.831   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TW Marijkestraat 5            | 3274AJ Heinenoord  | 92.271   | 427.070   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tW Steekkant 113              | 2993DB Barendrecht | 94.075   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tX Smithaven 55               | 2993EC Barendrecht | 93.703   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TX Kalesland 9                | 3274CH Heinenoord  | 92.523   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TY Boerengorzen 11            | 3274CV Heinenoord  | 92.782   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tY Steekkant 56               | 2993DB Barendrecht | 94.103   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TZ Irenestraat 18             | 3274AE Heinenoord  | 92.260   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tZ Smithaven 45               | 2993EC Barendrecht | 93.705   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| U Blaaksedijk West 29         | 3274LD Heinenoord  | 94.052   | 425.609   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •U Achterzeedijk 1 a 47       | 2991SB Barendrecht | 97.120   | 427.569   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uA Müllerhaven 16             | 2993EA Barendrecht | 93.826   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UA Wouter van den Walestr 64  | 3274CS Heinenoord  | 92.365   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UB Avenhil 35                 | 3274CT Heinenoord  | 92.720   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uB Swarttouwhaven 68          | 2993HP Barendrecht | 93.493   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UC Beatrixstraat 29           | 3274AA Heinenoord  | 92.191   | 427.069   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uC Steekkant 30               | 2993DB Barendrecht | 94.029   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uD Steekkant 38               | 2993DB Barendrecht | 94.054   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UD Wiardi Beckmanhof 3        | 3274CX Heinenoord  | 92.662   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UE Martin Luther Kingstraat 2 | 3274CK Heinenoord  | 92.386   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uE Meeshaven 3                | 2993HN Barendrecht | 93.651   | 428.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UF Rietwaard 7                | 3274MA Heinenoord  | 92.843   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uF Van Hobokenhaven 51        | 2993HH Barendrecht | 93.455   | 428.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uG Steekkant 42               | 2993DB Barendrecht | 94.065   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UG Dorpsstraat 9              | 3274BB Heinenoord  | 92.373   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UH Oranjestraat 13            | 3274AK Heinenoord  | 92.208   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uH Meeshaven 1                | 2993HN Barendrecht | 93.651   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uI Steekkant 69               | 2993DB Barendrecht | 93.960   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UI Avenhil 4                  | 3274CT Heinenoord  | 92.655   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UJ De Laagjes 15              | 3274CB Heinenoord  | 92.501   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uJ Aalwater 22                | 2993DD Barendrecht | 94.016   | 428.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UK Bernhardstraat 8           | 3274AB Heinenoord  | 92.239   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uK Steekkant 29               | 2993DB Barendrecht | 93.955   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uL Steurwater 9               | 2993DE Barendrecht | 93.942   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UL Margrietstraat 13          | 3274AH Heinenoord  | 92.291   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uM Smithaven 47               | 2993EC Barendrecht | 93.705   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UM Irenestraat 15             | 3274AD Heinenoord  | 92.243   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uN Meeshaven 12               | 2993HN Barendrecht | 93.630   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UN Rietwaard 26               | 3274MA Heinenoord  | 92.914   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uO Meeshaven 15               | 2993HN Barendrecht | 93.659   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UO Avenhil 42                 | 3274CT Heinenoord  | 92.700   | 426.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uP Steekkant 117              | 2993DB Barendrecht | 94.075   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UP Dreeshof 10                | 3274CC Heinenoord  | 92.575   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uQ Steekkant 36               | 2993DB Barendrecht | 94.049   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UQ Oosteinde 20               | 3274KC Heinenoord  | 92.708   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uR Calandhaven 7              | 2993HL Barendrecht | 93.527   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UR John F. Kennedystraat 69   | 3274CG Heinenoord  | 92.755   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| US De Laagjes 30              | 3274CB Heinenoord  | 92.527   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uS Calandhaven 5              | 2993HL Barendrecht | 93.512   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UT Martin Luther Kingstraat 8 | 3274CK Heinenoord  | 92.386   | 427.059   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uT Van Hobokenhaven 55        | 2993HH Barendrecht | 93.452   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UU Wiardi Beckmanhof 16       | 3274CX Heinenoord  | 92.704   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uU Kröllerhaven 25            | 2993ED Barendrecht | 93.859   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uV Kröllerhaven 8             | 2993ED Barendrecht | 93.752   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UV Thorbeckehof 9             | 3274CP Heinenoord  | 92.605   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uW Van Hobokenhaven 31        | 2993HH Barendrecht | 93.463   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UW Emmastraat 24              | 3274AC Heinenoord  | 92.298   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UX John F. Kennedystraat 71   | 3274CG Heinenoord  | 92.762   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uX Steekkant 125              | 2993DB Barendrecht | 94.067   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UY Avenhil 7                  | 3274CT Heinenoord  | 92.633   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uY Steekkant 157              | 2993DB Barendrecht | 94.067   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.  | Name                                | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|-------------------------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |                                     |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
|  | UZ Irenestraat 34 3274AE Heinenoord | 92.302   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uZ Steekkant 43 2993DB Barendrecht               |                                     | 93.961   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| V Blaaksedijk West 25 3274LD Heinenoord          |                                     | 94.076   | 425.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •V Achterzeedijk 1 a 48 2991SB Barendrecht       |                                     | 97.113   | 427.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vA Swarttouwhaven 22 2993HP Barendrecht          |                                     | 93.503   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VA Martin Luther Kingstraat 12 3274CK Heinenoord |                                     | 92.414   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vB Aalwater 6 2993DD Barendrecht                 |                                     | 93.964   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VB Buitenlanden 2 3274MB Heinenoord              |                                     | 92.916   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vC Steekkant 49 2993DB Barendrecht               |                                     | 93.961   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VC Abraham Kuyperhof 1 3274CW Heinenoord         |                                     | 92.728   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vD Steekkant 141 2993DB Barendrecht              |                                     | 94.075   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VD Kalesland 76 3274CH Heinenoord                |                                     | 92.592   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vE Meeshaven 6 2993HN Barendrecht                |                                     | 93.625   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VE Dreeshof 6 3274CC Heinenoord                  |                                     | 92.574   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VF John F. Kennedystraat 73 3274CG Heinenoord    |                                     | 92.768   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vF Meeshaven 10 2993HN Barendrecht               |                                     | 93.629   | 428.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VG Dreeshof 7 3274CC Heinenoord                  |                                     | 92.522   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vG Meeshaven 16 2993HN Barendrecht               |                                     | 93.629   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vH Müllerhaven 78 2993EA Barendrecht             |                                     | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VH Dorpsstraat 3 3274BB Heinenoord               |                                     | 92.434   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vI Steekkant 3 2993DB Barendrecht                |                                     | 93.966   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VI Beatrixstraat 46 3274AA Heinenoord            |                                     | 92.209   | 427.002   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VJ Oranjestraat 24 3274AK Heinenoord             |                                     | 92.194   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vJ Steekkant 8 2993DB Barendrecht                |                                     | 93.964   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vK Steekkant 65 2993DB Barendrecht               |                                     | 93.957   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VK Avenhil 21 3274CT Heinenoord                  |                                     | 92.710   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vL Müllerhaven 20 2993EA Barendrecht             |                                     | 93.833   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Irenestraat 42 3274AE Heinenoord              |                                     | 92.288   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vM Kröllerhaven 17 2993ED Barendrecht            |                                     | 93.860   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VM Irenestraat 5 3274AD Heinenoord               |                                     | 92.237   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vN Steurwater 3 2993DE Barendrecht               |                                     | 93.940   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VN Prof. Teldersstraat 53 3274MC Heinenoord      |                                     | 92.876   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vO Steekkant 97 2993DB Barendrecht               |                                     | 94.074   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VO Wouter van den Walestr 38 3274CS Heinenoord   |                                     | 92.346   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VP Martin Luther Kingstraat 22 3274CK Heinenoord |                                     | 92.445   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vP Vederhaven 9 2993EB Barendrecht               |                                     | 93.756   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vQ Müllerhaven 2 2993EA Barendrecht              |                                     | 93.828   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VQ Avenhil 33 3274CT Heinenoord                  |                                     | 92.732   | 426.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VR Vederhaven 19 2993EB Barendrecht              |                                     | 93.729   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VR Oosteinde 4 3274KC Heinenoord                 |                                     | 92.893   | 426.673   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VS Buitenlanden 3 3274MB Heinenoord              |                                     | 92.887   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vS Smithaven 41 2993EC Barendrecht               |                                     | 93.706   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VT Martin Luther Kingstraat 64 3274CL Heinenoord |                                     | 92.606   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vT Van Hobokenhaven 29 2993HH Barendrecht        |                                     | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VU Buitenlanden 15 3274MB Heinenoord             |                                     | 92.895   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vU Zalmwater 147 2993DX Barendrecht              |                                     | 94.092   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vV Swarttouwhaven 64 2993HP Barendrecht          |                                     | 93.502   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VV Rietwaard 8 3274MA Heinenoord                 |                                     | 92.813   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VW Martin Luther Kingstraat 42 3274CL Heinenoord |                                     | 92.520   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vW Aalwater 12 2993DD Barendrecht                |                                     | 93.979   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vX Kröllerhaven 55 2993ED Barendrecht            |                                     | 93.735   | 428.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VX De Laagjes 10 3274CB Heinenoord               |                                     | 92.458   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vY Meeshaven 13 2993HN Barendrecht               |                                     | 93.658   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VY Martin Luther Kingstraat 16 3274CK Heinenoord |                                     | 92.426   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vZ Meeshaven 11 2993HN Barendrecht               |                                     | 93.657   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VZ Wouter van den Walestr 78 3274CS Heinenoord   |                                     | 92.367   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| W Blaaksedijk West 30 3274LE Heinenoord          |                                     | 94.004   | 425.661   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •W Achterzeedijk 1 a 49 2991SB Barendrecht       |                                     | 97.104   | 427.610   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WA Marijkestraat 12 3274AJ Heinenoord            |                                     | 92.350   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wA Koedood 20 2993AL Barendrecht                 |                                     | 93.529   | 428.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WB Wouter van den Walestr 16 3274CR Heinenoord   |                                     | 92.329   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wB Zalmwater 145 2993DX Barendrecht              |                                     | 94.098   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WC Talmahof 10 3274CN Heinenoord                 |                                     | 92.490   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| wC  | Zalmwater 149 2993DX Barendrecht              | 94.085   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WD  | Beatrixstraat 27 3274AA Heinenoord            | 92.187   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wD  | Kröllehaven 49 2993ED Barendrecht             | 93.762   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wE  | Zalmwater 135 2993DX Barendrecht              | 94.129   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WE  | Oosteinde 18 3274KC Heinenoord                | 92.748   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WF  | Spuivelden 11 3274CM Heinenoord               | 92.531   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wf  | Stekkant 26 2993DB Barendrecht                | 94.030   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WG  | Avenhil 17 3274CT Heinenoord                  | 92.662   | 426.946   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wG  | Stekkant 46 2993DB Barendrecht                | 94.076   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WH  | Oosteinde 33 3274KB Heinenoord                | 92.738   | 426.600   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wH  | Koedood 23 2993AL Barendrecht                 | 93.222   | 428.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WI  | Avenhil 39 3274CT Heinenoord                  | 92.738   | 426.874   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wI  | Meeshaven 17 2993HN Barendrecht               | 93.654   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wJ  | Swarttouwhaven 2 2993HP Barendrecht           | 93.657   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WJ  | Dorpsstraat 26 3274BD Heinenoord              | 92.222   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wK  | Stekkant 165 2993DB Barendrecht               | 94.079   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WK  | Prof. Teldersstraat 25 3274CZ Heinenoord      | 92.826   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wL  | Meeshaven 4 2993HN Barendrecht                | 93.626   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WL  | Koomansland 24 3274CJ Heinenoord              | 92.406   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wM  | Meeshaven 9 2993HN Barendrecht                | 93.656   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WM  | De Laagjes 1 3274CB Heinenoord                | 92.447   | 426.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WN  | Hermannushof 8 3274CE Heinenoord              | 92.529   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wN  | Vederhaven 5 2993EB Barendrecht               | 93.767   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wO  | Koedood 27 2993AL Barendrecht                 | 93.159   | 428.767   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WO  | Bernhardstraat 7 3274AB Heinenoord            | 92.203   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wP  | Swarttouwhaven 4 2993HP Barendrecht           | 93.643   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WP  | Andries Woutershof 4 3274CA Heinenoord        | 92.460   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WO  | Bernhardstraat 18 3274AB Heinenoord           | 92.271   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wQ  | Swarttouwhaven 6 2993HP Barendrecht           | 93.629   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wR  | Kröllehaven 10 2993ED Barendrecht             | 93.743   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WR  | Spuivelden 19 3274CM Heinenoord               | 92.579   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wS  | Smithaven 24 2993EC Barendrecht               | 93.737   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WS  | Kalesland 40 3274CH Heinenoord                | 92.544   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WT  | Irenestraat 24 3274AE Heinenoord              | 92.273   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wT  | Kröllehaven 45 2993ED Barendrecht             | 93.780   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WU  | Kalesland 30 3274CH Heinenoord                | 92.530   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wU  | Smithaven 16 2993EC Barendrecht               | 93.773   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WV  | Kalesland 42 3274CH Heinenoord                | 92.549   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wV  | Stekkant 151 2993DB Barendrecht               | 94.065   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WW  | De Laagjes 36 3274CB Heinenoord               | 92.543   | 426.776   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wW  | Kröllehaven 35 2993ED Barendrecht             | 93.828   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WX  | Martin Luther Kingstraat 28 3274CK Heinenoord | 92.472   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wX  | Stekkant 58 2993DB Barendrecht                | 94.109   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WY  | Prof. Teldersstraat 45 3274MC Heinenoord      | 92.877   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wY  | Ruyshaven 1 2993HM Barendrecht                | 93.578   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wZ  | Zalmwater 137 2993DX Barendrecht              | 94.123   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WZ  | Oranjestraat 28 3274AK Heinenoord             | 92.207   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| X   | Reedijk 4 3274KE Heinenoord                   | 93.702   | 425.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •X  | Achterzeedijk 1 a 50 2991SB Barendrecht       | 97.106   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XA  | John F. Kennedystraat 75 3274CG Heinenoord    | 92.771   | 426.980   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xA  | Müllerhaven 38 2993EA Barendrecht             | 93.833   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xB  | Stekkant 18 2993DB Barendrecht                | 93.990   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XB  | Thorbeckehof 7 3274CP Heinenoord              | 92.607   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xC  | Stekkant 21 2993DB Barendrecht                | 93.957   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XC  | Abraham Kuyperhof 13 3274CW Heinenoord        | 92.766   | 427.034   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xD  | Vederhaven 13 2993EB Barendrecht              | 93.745   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XD  | John F. Kennedystraat 51 3274CG Heinenoord    | 92.580   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xE  | Van Hobokenhaven 17 2993HH Barendrecht        | 93.456   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XE  | John F. Kennedystraat 17 3274CG Heinenoord    | 92.420   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xF  | Kabbelkant 12 2993DC Barendrecht              | 94.012   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XF  | Oranjestraat 21 3274AK Heinenoord             | 92.253   | 426.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xG  | Müllerhaven 14 2993EA Barendrecht             | 93.835   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XG  | Avenhil 38 3274CT Heinenoord                  | 92.732   | 426.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| xH Steekkant 71 2993DB Barendrecht               |      | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XH De Laagjes 14 3274CB Heinenoord               |      | 92.481   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XI Emmastraat 9 3274AC Heinenoord                |      | 92.245   | 426.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xi Swarttouwhaven 50 2993HP Barendrecht          |      | 93.505   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XJ Abraham Kuyperhof 4 3274CW Heinenoord         |      | 92.730   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xJ Koedood 29 3161GE Rhoon                       |      | 93.112   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xK Koedood 29 3161GE Rhoon                       |      | 93.114   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XK Boerengorzen 6 3274CV Heinenoord              |      | 92.750   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XL Kalesland 17 3274CH Heinenoord                |      | 92.555   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xL Weerkant 60 2993DA Barendrecht                |      | 94.325   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xM Spieringwater 1 2993DM Barendrecht            |      | 94.157   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XM Julianalaan 36 3274AG Heinenoord              |      | 92.162   | 427.014   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xN Weerkant 134 2993DA Barendrecht               |      | 94.227   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XN Beatrixstraat 54 3274AA Heinenoord            |      | 92.215   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xO Harderwater 78 2993DW Barendrecht             |      | 94.304   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XO Talmahof 3 3274CN Heinenoord                  |      | 92.434   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XP Heyne van Althenastraat 16 3274CD Heinenoord  |      | 92.431   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xP Harderwater 76 2993DW Barendrecht             |      | 94.304   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XQ Martin Luther Kingstraat 56 3274CL Heinenoord |      | 92.561   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xO Weerkant 17 2993DA Barendrecht                |      | 94.232   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xR Kuilkant 167 2993DV Barendrecht               |      | 94.338   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XR Margrietstraat 10 3274AH Heinenoord           |      | 92.318   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XS Beatrixstraat 32 3274AA Heinenoord            |      | 92.203   | 426.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xS Weerkant 38 2993DA Barendrecht                |      | 94.314   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xT Weerkant 14 2993DA Barendrecht                |      | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XT Hermannushof 20 3274CE Heinenoord             |      | 92.582   | 426.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xU Weerkant 132 2993DA Barendrecht               |      | 94.225   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XU Kalesland 50 3274CH Heinenoord                |      | 92.564   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xV Weerkant 19 2993DA Barendrecht                |      | 94.226   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XV Buitelanden 6 3274MB Heinenoord               |      | 92.919   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XW Avenhil 1 3274CT Heinenoord                   |      | 92.669   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xW Harderwater 80 2993DW Barendrecht             |      | 94.304   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX Marijkestraat 15 3274AJ Heinenoord            |      | 92.309   | 427.061   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xX Weerkant 12 2993DA Barendrecht                |      | 94.311   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XY Abraham Kuyperhof 18 3274CW Heinenoord        |      | 92.764   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xY Zalmswater 115 2993DX Barendrecht             |      | 94.207   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XZ Avenhil 43 3274CT Heinenoord                  |      | 92.702   | 426.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xZ Weerkant 112 2993DA Barendrecht               |      | 94.229   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y Blaakseindijk West 35 3274LD Heinenoord        |      | 93.965   | 425.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Y Achterzijdeindijk 1 a 51 2991SB Barendrecht   |      | 97.102   | 427.572   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yA Weerkant 76 2993DA Barendrecht                |      | 94.319   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YA Bernhardstraat 5 3274AB Heinenoord            |      | 92.203   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yB Weerkant 100 2993DA Barendrecht               |      | 94.229   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YB Margrietstraat 12 3274AH Heinenoord           |      | 92.319   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YC De Laagjes 6 3274CB Heinenoord                |      | 92.446   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yC Weerkant 92 2993DA Barendrecht                |      | 94.225   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YD Rietwaard 16 3274MA Heinenoord                |      | 92.800   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yD Weerkant 6 2993DA Barendrecht                 |      | 94.321   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YE De Laagjes 3 3274CB Heinenoord                |      | 92.453   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yE Weerkant 46 2993DA Barendrecht                |      | 94.323   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yF Weerkant 18 2993DA Barendrecht                |      | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YF Abraham Kuyperhof 19 3274CW Heinenoord        |      | 92.765   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yG Weerkant 64 2993DA Barendrecht                |      | 94.312   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YG Marijkestraat 10 3274AJ Heinenoord            |      | 92.335   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yH Weerkant 118 2993DA Barendrecht               |      | 94.231   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YH Wouter van den Valestr 20 3274CR Heinenoord   |      | 92.333   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yI Harderwater 49 2993DW Barendrecht             |      | 94.275   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YI Avenhil 8 3274CT Heinenoord                   |      | 92.636   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yJ Weerkant 94 2993DA Barendrecht                |      | 94.227   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YJ Kalesland 66 3274CH Heinenoord                |      | 92.605   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yK Weerkant 1 2993DA Barendrecht                 |      | 94.255   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YK Kalesland 2 3274CH Heinenoord                 |      | 92.482   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yL Zalmswater 125 2993DX Barendrecht             |      | 94.176   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| YL  | Koomansland 3 3274CJ Heinenoord               | 92.450   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 92.574   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yM  | Weerkant 114 2993DA Barendrecht               | 94.231   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yN  | Weerkant 20 2993DA Barendrecht                | 94.323   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 92.904   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yO  | Weerkant 138 2993DA Barendrecht               | 94.231   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 92.184   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YP  | Kalesland 60 3274CH Heinenoord                | 92.595   | 426.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yP  | Weerkant 48 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 94.169   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YQ  | Julianastraat 44 3274AG Heinenoord            | 92.152   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yR  | Weerkant 24 2993DA Barendrecht                | 94.324   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 92.712   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YS  | Rietwaard 19 3274MA Heinenoord                | 92.884   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yS  | Spieringwater 13 2993DM Barendrecht           | 94.160   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 92.335   | 426.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yT  | Weerkant 62 2993DA Barendrecht                | 94.322   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 92.315   | 427.060   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yU  | Weerkant 146 2993DA Barendrecht               | 94.231   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 92.730   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yV  | Weerkant 82 2993DA Barendrecht                | 94.315   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yW  | Spieringwater 9 2993DM Barendrecht            | 94.159   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 92.537   | 426.742   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 92.177   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yX  | Weerkant 136 2993DA Barendrecht               | 94.229   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yY  | Weerkant 158 2993DA Barendrecht               | 94.221   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 92.465   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 92.612   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 94.159   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 93.916   | 425.686   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 97.098   | 427.555   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zA  | Weerkant 86 2993DA Barendrecht                | 94.266   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 92.415   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zB  | Weerkant 32 2993DA Barendrecht                | 94.324   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 92.245   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zC  | Spieringwater 5 2993DM Barendrecht            | 94.158   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 92.809   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZD  | Kalesland 34 3274CH Heinenoord                | 92.530   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zD  | Weerkant 126 2993DA Barendrecht               | 94.223   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 92.663   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zE  | Weerkant 30 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zF  | Weerkant 104 2993DA Barendrecht               | 94.225   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 92.850   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zG  | Weerkant 70 2993DA Barendrecht                | 94.324   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 92.718   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 92.662   | 427.010   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zH  | Weerkant 10 2993DA Barendrecht                | 94.323   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 92.665   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zI  | Weerkant 33 2993DA Barendrecht                | 94.189   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zJ  | Weerkant 26 2993DA Barendrecht                | 94.325   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 92.211   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zK  | Weerkant 130 2993DA Barendrecht               | 94.223   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 92.239   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 92.365   | 426.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zL  | Weerkant 4 2993DA Barendrecht                 | 94.323   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 92.685   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zM  | Weerkant 68 2993DA Barendrecht                | 94.322   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zN  | Weerkant 96 2993DA Barendrecht                | 94.229   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 92.489   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zO  | Weerkant 34 2993DA Barendrecht                | 94.318   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 92.345   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zP  | Weerkant 31 2993DA Barendrecht                | 94.194   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZP  | Koomansland 7 3274CJ Heinenoord               | 92.449   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

### Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           |     | [m]   | [m]    | [m]              | [°]                   | cw                 | [°]                |
| zQ Weerkant 148 2993DA Barendrecht             |      | 94.229   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZQ Talmahof 5 3274CN Heinenoord                |      | 92.434   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZR Irenestraat 14 3274AE Heinenoord            |      | 92.259   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zR Weerkant 144 2993DA Barendrecht             |      | 94.233   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zS Weerkant 116 2993DA Barendrecht             |      | 94.232   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZS Oosteinde 26 3274KC Heinenoord              |      | 92.674   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZT John F. Kennedystraat 25 3274CG Heinenoord  |      | 92.447   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zT Spieringwater 11 2993DM Barendrecht         |      | 94.159   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zU Weerkant 140 2993DA Barendrecht             |      | 94.233   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZU Wouter van den Walestr 58 3274CS Heinenoord |      | 92.352   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zV Weerkant 42 2993DA Barendrecht              |      | 94.318   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZV Margrietstraat 16 3274AH Heinenoord         |      | 92.326   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZW Bernhardstraat 1 A 3274AB Heinenoord        |      | 92.195   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zW Weerkant 122 2993DA Barendrecht             |      | 94.227   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zX Weerkant 168 2993DA Barendrecht             |      | 94.149   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZX De Laagjes 13 3274CB Heinenoord             |      | 92.501   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZY Marijkestraat 3 3274AJ Heinenoord           |      | 92.262   | 427.071   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zY Weerkant 80 2993DA Barendrecht              |      | 94.317   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZZ Wouter van den Walestr 46 3274CS Heinenoord |      | 92.363   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zz Weerkant 106 2993DA Barendrecht             |      | 94.224   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

## Calculation Results

### Shadow receptor

| No.  | Name | Shadow receptor | Shadow, expected values |
|--|------|-----------------|-------------------------|
|  |      |                 | Shadow hours            |
|  |      |                 | per year                |
|  |      |                 | [h/year]                |
| [A Kalesland 11 3274CH Heinenoord                |      |                 | 0:50                    |
| [B Prof. Teldersstraat 39 3274MC Heinenoord      |      |                 | 3:16                    |
| [C Bernhardstraat 1 C 3274AB Heinenoord          |      |                 | 0:00                    |
| [D Wiardi Beckmanhof 17 3274CX Heinenoord        |      |                 | 1:50                    |
| [E Abraham Kuyperhof 15 3274CW Heinenoord        |      |                 | 2:21                    |
| [F Margrietstraat 4 3274AH Heinenoord            |      |                 | 0:00                    |
| [G Wiardi Beckmanhof 6 3274CX Heinenoord         |      |                 | 1:17                    |
| [H Rietwaard 9 3274MA Heinenoord                 |      |                 | 3:32                    |
| [I Kalesland 20 3274CH Heinenoord                |      |                 | 0:40                    |
| [J Rietwaard 11 3274MA Heinenoord                |      |                 | 3:40                    |
| [K Buitelanden 14 3274MB Heinenoord              |      |                 | 4:34                    |
| [L Abraham Kuyperhof 11 3274CW Heinenoord        |      |                 | 2:22                    |
| [M John F. Kennedystraat 29 3274CG Heinenoord    |      |                 | 0:38                    |
| [N Marijkestraat 19 3274AJ Heinenoord            |      |                 | 0:00                    |
| [O Avenhil 41 3274CT Heinenoord                  |      |                 | 1:35                    |
| [P Oosteinde 35 3274KB Heinenoord                |      |                 | 3:28                    |
| [Q Martin Luther Kingstraat 26 3274CK Heinenoord |      |                 | 0:34                    |
| [R Oranjestraat 27 3274AK Heinenoord             |      |                 | 0:00                    |
| [S John F. Kennedystraat 8 3274CG Heinenoord     |      |                 | 1:22                    |
| [T Emmastraat 14 3274AC Heinenoord               |      |                 | 0:00                    |
| [U Irenestraat 23 3274AD Heinenoord              |      |                 | 0:00                    |
| [V Spuivelden 3 3274CM Heinenoord                |      |                 | 0:43                    |
| [W Beatrixstraat 42 3274AA Heinenoord            |      |                 | 0:00                    |
| [X Buitelanden 7 3274MB Heinenoord               |      |                 | 4:07                    |
| [Y Koomansland 38 3274CJ Heinenoord              |      |                 | 0:30                    |
| [Z Kalesland 16 3274CH Heinenoord                |      |                 | 0:37                    |
| \A Kalesland 8 3274CH Heinenoord                 |      |                 | 0:36                    |
| \B Talmahof 1 3274CN Heinenoord                  |      |                 | 0:29                    |
| \C Koomansland 17 3274CJ Heinenoord              |      |                 | 0:35                    |
| \D Irenestraat 22 3274AE Heinenoord              |      |                 | 0:00                    |
| \E John F. Kennedystraat 65 3274CG Heinenoord    |      |                 | 1:50                    |
| \F Spuivelden 10 3274CM Heinenoord               |      |                 | 0:58                    |
| \G Thorbeckehof 5 3274CP Heinenoord              |      |                 | 1:02                    |
| \H Spuivelden 6 3274CM Heinenoord                |      |                 | 0:54                    |
| \I Prof. Teldersstraat 29 3274CZ Heinenoord      |      |                 | 2:57                    |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| \J  | John F. Kennedystraat 45 3274CG Heinenoord    | 0:45                    |                      |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 1:58                    |                      |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 3:26                    |                      |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 2:03                    |                      |
| \N  | De Laagjes 11 3274CB Heinenoord               | 0:35                    |                      |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 0:44                    |                      |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 3:38                    |                      |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 0:00                    |                      |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 0:00                    |                      |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 3:05                    |                      |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 0:24                    |                      |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 3:31                    |                      |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 0:00                    |                      |
| \W  | Spuivelden 7 3274CM Heinenoord                | 0:44                    |                      |
| \X  | Avenhil 19 3274CT Heinenoord                  | 1:26                    |                      |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 1:00                    |                      |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 0:00                    |                      |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 4:03                    |                      |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 0:38                    |                      |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 2:59                    |                      |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 0:31                    |                      |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 2:21                    |                      |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 0:00                    |                      |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 4:32                    |                      |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 3:21                    |                      |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 5:15                    |                      |
| ]J  | Kalesland 44 3274CH Heinenoord                | 0:51                    |                      |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 1:35                    |                      |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 0:25                    |                      |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 4:18                    |                      |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 2:03                    |                      |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 4:01                    |                      |
| ]P  | Kalesland 14 3274CH Heinenoord                | 0:37                    |                      |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 0:57                    |                      |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 2:07                    |                      |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 1:26                    |                      |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 0:42                    |                      |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 0:27                    |                      |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 0:52                    |                      |
| ]W  | Kalesland 13 3274CH Heinenoord                | 0:51                    |                      |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 0:24                    |                      |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 0:54                    |                      |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 2:09                    |                      |
| ^A  | Kalesland 24 3274CH Heinenoord                | 0:41                    |                      |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 4:10                    |                      |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 0:25                    |                      |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 0:56                    |                      |
| ^E  | Kalesland 54 3274CH Heinenoord                | 0:55                    |                      |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 0:00                    |                      |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 0:00                    |                      |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 0:20                    |                      |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 2:03                    |                      |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 0:00                    |                      |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 0:20                    |                      |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 0:00                    |                      |
| ^M  | Kalesland 48 3274CH Heinenoord                | 0:52                    |                      |
| ^N  | Buitelanden 9 3274MB Heinenoord               | 4:04                    |                      |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 1:19                    |                      |
| ^P  | Kalesland 74 3274CH Heinenoord                | 0:58                    |                      |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 3:04                    |                      |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 0:00                    |                      |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 0:30                    |                      |
| ^T  | Kalesland 15 3274CH Heinenoord                | 0:50                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| ^U  | Buitenlanden 10 3274MB Heinenoord             | 4:38  |              |
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 0:57  |              |
| ^W  | Spuibedden 13 3274CM Heinenoord               | 0:45  |              |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 3:44  |              |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 0:00  |              |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 2:21  |              |
| _A  | Kalesland 12 3274CH Heinenoord                | 0:36  |              |
| _B  | Hermannushof 18 3274CE Heinenoord             | 0:55  |              |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 0:00  |              |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 3:07  |              |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 0:00  |              |
| _F  | Emmastraat 18 3274AC Heinenoord               | 0:00  |              |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 2:23  |              |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 1:20  |              |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 2:42  |              |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 0:00  |              |
| _K  | Avenhil 26 3274CT Heinenoord                  | 2:02  |              |
| _L  | Spuibedden 4 3274CM Heinenoord                | 0:53  |              |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 0:00  |              |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 0:28  |              |
| _O  | Rietwaard 12 3274MA Heinenoord                | 2:54  |              |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 0:00  |              |
| _Q  | Kalesland 62 3274CH Heinenoord                | 1:00  |              |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 0:57  |              |
| _S  | Kooimansland 20 3274CJ Heinenoord             | 0:22  |              |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 2:37  |              |
| _U  | Talmahof 12 3274CN Heinenoord                 | 0:37  |              |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 2:37  |              |
| _W  | Rietwaard 15 3274MA Heinenoord                | 3:58  |              |
| _X  | Oosteinde 43 3274KB Heinenoord                | 1:52  |              |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 0:33  |              |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 0:00  |              |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 3:38  |              |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 0:33  |              |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 0:39  |              |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 0:00  |              |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 0:56  |              |
| `F  | Irenestraat 32 3274AE Heinenoord              | 0:00  |              |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 0:00  |              |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 0:19  |              |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 3:09  |              |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 0:00  |              |
| `K  | De Laagjes 32 3274CB Heinenoord               | 0:46  |              |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 0:00  |              |
| `M  | Irenestraat 11 3274AD Heinenoord              | 0:00  |              |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 0:00  |              |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 2:42  |              |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 0:00  |              |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 0:00  |              |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 1:30  |              |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 2:40  |              |
| `T  | Emmastraat 36 3274AC Heinenoord               | 0:00  |              |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 0:00  |              |
| `V  | Spuibedden 27 3274CM Heinenoord               | 0:57  |              |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 0:00  |              |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord   | 0:20  |              |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord    | 1:27  |              |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord   | 0:20  |              |
| {A} | Weerkant 88 2993DA Barendrecht                | 0:00  |              |
| {B} | Weerkant 5 2993DA Barendrecht                 | 0:00  |              |
| {C} | Weerkant 72 2993DA Barendrecht                | 0:00  |              |
| {D} | Zalmwater 111 2993DX Barendrecht              | 0:00  |              |
| {E} | Weerkant 37 2993DA Barendrecht                | 0:00  |              |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:02/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name                                       | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| {F  | Weerkant 166 2993DA Barendrecht            | 0:00                                 |
| {G  | Weerkant 128 2993DA Barendrecht            | 0:00                                 |
| {H  | Weerkant 56 2993DA Barendrecht             | 0:00                                 |
| {I  | Weerkant 23 2993DA Barendrecht             | 0:00                                 |
| {J  | Weerkant 25 2993DA Barendrecht             | 0:00                                 |
| {K  | Weerkant 21 2993DA Barendrecht             | 0:00                                 |
| {L  | Weerkant 66 2993DA Barendrecht             | 0:00                                 |
| {M  | Weerkant 120 2993DA Barendrecht            | 0:00                                 |
| {N  | Zalmwater 121 2993DX Barendrecht           | 0:00                                 |
| {O  | Weerkant 22 2993DA Barendrecht             | 0:00                                 |
| {P  | Weerkant 162 2993DA Barendrecht            | 0:00                                 |
| {Q  | Zalmwater 123 2993DX Barendrecht           | 0:00                                 |
| {R  | Weerkant 54 2993DA Barendrecht             | 0:00                                 |
| {S  | Weerkant 44 2993DA Barendrecht             | 0:00                                 |
| {T  | Weerkant 108 2993DA Barendrecht            | 0:00                                 |
| {U  | Weerkant 8 2993DA Barendrecht              | 0:00                                 |
| {V  | Weerkant 150 2993DA Barendrecht            | 0:00                                 |
| {W  | Zalmwater 131 2993DX Barendrecht           | 0:00                                 |
| {X  | Weerkant 35 2993DA Barendrecht             | 0:00                                 |
| {Y  | Weerkant 28 2993DA Barendrecht             | 0:00                                 |
| {Z  | Weerkant 98 2993DA Barendrecht             | 0:00                                 |
| A   | Weerkant 124 2993DA Barendrecht            | 0:00                                 |
| B   | Weerkant 52 2993DA Barendrecht             | 0:00                                 |
| C   | Kuikant 169 2993DV Barendrecht             | 0:00                                 |
| D   | Weerkant 36 2993DA Barendrecht             | 0:00                                 |
| E   | Weerkant 2 2993DA Barendrecht              | 0:00                                 |
| F   | Weerkant 27 2993DA Barendrecht             | 0:00                                 |
| G   | Weerkant 29 2993DA Barendrecht             | 0:00                                 |
| H   | Weerkant 90 2993DA Barendrecht             | 0:00                                 |
| I   | Weerkant 160 2993DA Barendrecht            | 0:00                                 |
| J   | Zalmwater 117 2993DX Barendrecht           | 0:00                                 |
| K   | Koedood 2 2993AL Barendrecht               | 0:00                                 |
| L   | Weerkant 11 2993DA Barendrecht             | 0:00                                 |
| M   | Weerkant 15 2993DA Barendrecht             | 0:00                                 |
| N   | Weerkant 16 2993DA Barendrecht             | 0:00                                 |
| O   | Weerkant 40 2993DA Barendrecht             | 0:00                                 |
| P   | Weerkant 74 2993DA Barendrecht             | 0:00                                 |
| Q   | Weerkant 78 2993DA Barendrecht             | 0:00                                 |
| R   | Weerkant 102 2993DA Barendrecht            | 0:00                                 |
| S   | Harderwater 51 2993DW Barendrecht          | 0:00                                 |
| T   | Zalmwater 119 2993DX Barendrecht           | 0:00                                 |
| U   | Zalmwater 129 2993DX Barendrecht           | 0:00                                 |
| V   | Weerkant 156 2993DA Barendrecht            | 0:00                                 |
| W   | Spieringwater 3 2993DM Barendrecht         | 0:00                                 |
| X   | Weerkant 7 2993DA Barendrecht              | 0:00                                 |
| Y   | Weerkant 13 2993DA Barendrecht             | 0:00                                 |
| Z   | Weerkant 3 2993DA Barendrecht              | 0:00                                 |
| )A  | Weerkant 9 2993DA Barendrecht              | 0:00                                 |
| )B  | Weerkant 110 2993DA Barendrecht            | 0:00                                 |
| )C  | Weerkant 142 2993DA Barendrecht            | 0:00                                 |
| )D  | Weerkant 154 2993DA Barendrecht            | 0:00                                 |
| )E  | Weerkant 164 2993DA Barendrecht            | 0:00                                 |
| )F  | Weerkant 152 2993DA Barendrecht            | 0:00                                 |
| )G  | Zalmwater 113 2993DX Barendrecht           | 0:00                                 |
| )H  | Weerkant 50 2993DA Barendrecht             | 0:00                                 |
| )I  | Weerkant 58 2993DA Barendrecht             | 0:00                                 |
| )J  | Kuipersveer 9 3274KH Heinenoord            | 0:00                                 |
| )K  | Kuipersveer 7 3274KH Heinenoord            | 0:00                                 |
| )L  | Kuipersveer 3 3274KH Heinenoord            | 0:00                                 |
| )M  | Kuipersveer 5 3274KH Heinenoord            | 0:00                                 |
| )N  | Kuipersveer 1 A 3274KH Heinenoord          | 0:00                                 |
| )O  | Ziedewijdsekade 14 2991VS Barendrecht      | 0:37                                 |
| )P  | 3e Barendrechtseweg 555 2991SH Barendrecht | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| )Q  | 3e Barendrechtseweg 454 2992SN Barendrecht    | 0:00                    |                      |
| )R  | Ziedewijdsekade 36 2991SE Barendrecht         | 0:25                    |                      |
| )S  | 3e Barendrechtseweg 545 2991SH Barendrecht    | 0:00                    |                      |
| )T  | Ziedewijdsekade 18 2991VS Barendrecht         | 1:24                    |                      |
| )U  | Ziedewijdsekade 72 2991SE Barendrecht         | 0:00                    |                      |
| )V  | Ziedewijdsekade 1 2991VS Barendrecht          | 0:20                    |                      |
| )W  | 3e Barendrechtseweg 541 2991SH Barendrecht    | 0:00                    |                      |
| )X  | Achterzeedijk 11 2991SB Barendrecht           | 3:00                    |                      |
| )Y  | Ziedewijdsekade 70 2991SE Barendrecht         | 0:09                    |                      |
| )Z  | Ziedewijdsekade 10 2991VS Barendrecht         | 0:00                    |                      |
| -A  | 3e Barendrechtseweg 559 2991SH Barendrecht    | 0:26                    |                      |
| -B  | Ziedewijdsekade 12 2991VS Barendrecht         | 0:00                    |                      |
| -C  | Ziedewijdsekade 34 2991SE Barendrecht         | 0:19                    |                      |
| -D  | Achterzeedijk 1 2991SB Barendrecht            | 3:00                    |                      |
| -E  | Achterzeedijk 1 a 1 2991SB Barendrecht        | 0:45                    |                      |
| -F  | Achterzeedijk 1 a 2 2991SB Barendrecht        | 0:47                    |                      |
| -G  | Achterzeedijk 1 a 3 2991SB Barendrecht        | 0:49                    |                      |
| -H  | Achterzeedijk 1 a 4 2991SB Barendrecht        | 0:52                    |                      |
| -I  | Achterzeedijk 1 a 6 2991SB Barendrecht        | 0:50                    |                      |
| -J  | Achterzeedijk 1 a 7 2991SB Barendrecht        | 0:53                    |                      |
| -K  | Achterzeedijk 1 a 8 2991SB Barendrecht        | 0:56                    |                      |
| -L  | Achterzeedijk 1 a 9 2991SB Barendrecht        | 0:53                    |                      |
| -M  | Achterzeedijk 1 a 10 2991SB Barendrecht       | 0:54                    |                      |
| -N  | Achterzeedijk 1 a 11 2991SB Barendrecht       | 0:57                    |                      |
| -O  | Achterzeedijk 1 a 12 2991SB Barendrecht       | 0:59                    |                      |
| -P  | Achterzeedijk 1 a 14 2991SB Barendrecht       | 0:59                    |                      |
| -Q  | Achterzeedijk 1 a 16 2991SB Barendrecht       | 1:05                    |                      |
| -R  | Achterzeedijk 1 a 17 2991SB Barendrecht       | 1:03                    |                      |
| -S  | Achterzeedijk 1 a 18 2991SB Barendrecht       | 1:04                    |                      |
| -T  | Achterzeedijk 1 a 19 2991SB Barendrecht       | 1:06                    |                      |
| -U  | Achterzeedijk 1 a 20 2991SB Barendrecht       | 1:09                    |                      |
| -V  | Achterzeedijk 1 a 21 2991SB Barendrecht       | 1:06                    |                      |
| -W  | Achterzeedijk 1 a 22 2991SB Barendrecht       | 1:09                    |                      |
| -X  | Achterzeedijk 1 a 23 2991SB Barendrecht       | 1:14                    |                      |
| -Y  | Achterzeedijk 1 a 24 2991SB Barendrecht       | 1:18                    |                      |
| -Z  | Achterzeedijk 1 a 26 2991SB Barendrecht       | 1:16                    |                      |
| ?AA | Achterzeedijk 1 a 53 2991SB Barendrecht       | 3:14                    |                      |
| ?BA | Achterzeedijk 1 a 54 2991SB Barendrecht       | 3:25                    |                      |
| ?CA | Achterzeedijk 1 a 55 2991SB Barendrecht       | 3:34                    |                      |
| ?DA | Achterzeedijk 1 a 56 2991SB Barendrecht       | 3:45                    |                      |
| ?EA | Achterzeedijk 1 a 13 2991SB Barendrecht       | 0:56                    |                      |
| ?FA | Achterzeedijk 1 a 15 2991SB Barendrecht       | 1:02                    |                      |
| ?GA | Achterzeedijk 1 a 25 2991SB Barendrecht       | 1:16                    |                      |
| ?HA | Achterzeedijk 1 a 5 2991SB Barendrecht        | 0:48                    |                      |
| ?IK | Kuipersveer 15 3274KH Heinenoord              | 0:57                    |                      |
| ?JK | Kuipersveer 31 3274KH Heinenoord              | 1:24                    |                      |
| ?KK | Kuipersveer 15 A 3274KH Heinenoord            | 1:01                    |                      |
| ?LK | Kuipersveer 23 3274KH Heinenoord              | 1:17                    |                      |
| ?MK | Kuipersveer 13 3274KH Heinenoord              | 0:54                    |                      |
| ?NK | Kuipersveer 15 D 3274KH Heinenoord            | 1:09                    |                      |
| ?OK | Kuipersveer 19 3274KH Heinenoord              | 1:15                    |                      |
| ?PK | Kuipersveer 25 3274KH Heinenoord              | 1:19                    |                      |
| ?QK | Kuipersveer 21 3274KH Heinenoord              | 1:15                    |                      |
| ?RK | Kuipersveer 35 3274KH Heinenoord              | 1:15                    |                      |
| ?SK | Kuipersveer 15 C 3274KH Heinenoord            | 1:07                    |                      |
| ?TK | Kuipersveer 17 3274KH Heinenoord              | 1:12                    |                      |
| A   | Blaaksedijk West 28 3274LE Heinenoord         | 0:00                    |                      |
| •A  | Achterzeedijk 1 a 27 2991SB Barendrecht       | 1:19                    |                      |
| AA  | Blaaksedijk West 26 3274LE Heinenoord         | 0:00                    |                      |
| aA  | Martin Luther Kingstraat 44 3274CL Heinenoord | 0:45                    |                      |
| AB  | Doormanstraat 15 3274LK Heinenoord            | 0:00                    |                      |
| aB  | Rietwaard 22 3274MA Heinenoord                | 4:23                    |                      |
| aC  | Kalesland 68 3274CH Heinenoord                | 1:03                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
|     | AC Mollekade 11 3274LN Heinenoord             | 0:00                                 |
| aD  | Hermannushof 12 3274CE Heinenoord             | 0:49                                 |
| AD  | Boonsweg 55 3274LH Heinenoord                 | 0:00                                 |
| AE  | Dormanstraat 19 3274LK Heinenoord             | 0:00                                 |
| aE  | De Laagjes 24 3274CB Heinenoord               | 0:40                                 |
| AF  | Dormanstraat 35 3274LK Heinenoord             | 0:00                                 |
| aF  | Wouter van den Walestr 42 3274CS Heinenoord   | 0:19                                 |
| aG  | Avenhil 29 3274CT Heinenoord                  | 2:09                                 |
| AG  | Dormanstraat 12 3274LK Heinenoord             | 0:00                                 |
| aH  | Beatrixstraat 50 3274AA Heinenoord            | 0:00                                 |
| AH  | Mollekade 24 A 3274LP Heinenoord              | 0:00                                 |
| AI  | Dormanstraat 21 3274LK Heinenoord             | 0:00                                 |
| aI  | Martin Luther Kingstraat 38 3274CL Heinenoord | 0:41                                 |
| aJ  | Koimansland 34 3274CJ Heinenoord              | 0:29                                 |
| AJ  | de Ruyterstraat 6 B 3274LJ Heinenoord         | 0:00                                 |
| aK  | Martin Luther Kingstraat 20 3274CK Heinenoord | 0:30                                 |
| AK  | Trompstraat 20 3274LT Heinenoord              | 0:00                                 |
| aL  | Spuivelden 1 3274CM Heinenoord                | 0:45                                 |
| AL  | van Galenstraat 11 3274LV Heinenoord          | 0:00                                 |
| aM  | Oranjestraat 22 3274AK Heinenoord             | 0:00                                 |
| AM  | Gorzenweg 2 3274LL Heinenoord                 | 0:00                                 |
| AN  | Mollekade 17 3274LN Heinenoord                | 0:00                                 |
| aN  | Koimansland 15 3274CJ Heinenoord              | 0:34                                 |
| aO  | De Laagjes 34 3274CB Heinenoord               | 0:46                                 |
| AO  | Mollekade 21 3274LN Heinenoord                | 0:00                                 |
| AP  | de Ruyterstraat 10 3274LJ Heinenoord          | 0:00                                 |
| aP  | Boerengorzen 12 3274CV Heinenoord             | 2:17                                 |
| aQ  | Hermannushof 22 3274CE Heinenoord             | 1:02                                 |
| AQ  | Mollekade 3 A 3274LN Heinenoord               | 0:00                                 |
| aR  | Prof. Teldersstraat 17 3274CZ Heinenoord      | 2:41                                 |
| AR  | Dormanstraat 31 3274LK Heinenoord             | 0:00                                 |
| AS  | Gorzenweg 1 A 3274LL Heinenoord               | 0:00                                 |
| aS  | Avenhil 31 3274CT Heinenoord                  | 2:09                                 |
| AT  | de Ruyterstraat 4 A 3274LJ Heinenoord         | 0:00                                 |
| aT  | Martin Luther Kingstraat 4 3274CK Heinenoord  | 0:23                                 |
| aU  | Emmastraat 5 3274AC Heinenoord                | 0:00                                 |
| AU  | de Ruyterstraat 6 A 3274LJ Heinenoord         | 0:00                                 |
| aV  | Prof. Teldersstraat 33 3274MC Heinenoord      | 3:19                                 |
| AV  | Mollekade 13 A 3274LN Heinenoord              | 0:00                                 |
| aW  | Abraham Kuyperhof 6 3274CW Heinenoord         | 1:57                                 |
| AW  | Blaaksedijk West 15 3274LD Heinenoord         | 0:00                                 |
| aX  | Prof. Teldersstraat 9 3274CZ Heinenoord       | 2:44                                 |
| AX  | Dormanstraat 25 3274LK Heinenoord             | 0:00                                 |
| AY  | Blaaksedijk West 16 A 3274LE Heinenoord       | 0:00                                 |
| aY  | Andries Woutershof 6 3274CA Heinenoord        | 0:32                                 |
| AZ  | Gorzenweg 1 3274LL Heinenoord                 | 0:00                                 |
| aZ  | Beatrixstraat 25 3274AA Heinenoord            | 0:00                                 |
| B   | Blaaksedijk West 49 3274LD Heinenoord         | 0:00                                 |
| •B  | Achterzeedijk 1 a 28 2991SB Barendrecht       | 1:22                                 |
| bA  | Koimansland 9 3274CJ Heinenoord               | 0:30                                 |
| BA  | Nijverheidsweg 32 3274KJ Heinenoord           | 0:00                                 |
| BB  | Blaaksedijk West 19 3274LD Heinenoord         | 0:00                                 |
| bB  | Avenhil 22 3274CT Heinenoord                  | 1:54                                 |
| BC  | Mollekade 15 3274LN Heinenoord                | 0:00                                 |
| bC  | John F. Kennedystraat 87 3274CG Heinenoord    | 3:29                                 |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord    | 2:44                                 |
| BD  | Trompstraat 10 3274LT Heinenoord              | 0:00                                 |
| BE  | Mollekade 27 3274LN Heinenoord                | 0:00                                 |
| bE  | Irenestraat 17 3274AD Heinenoord              | 0:00                                 |
| BF  | Blaaksedijk West 21 3274LD Heinenoord         | 0:00                                 |
| bF  | Spuivelden 23 3274CM Heinenoord               | 0:57                                 |
| bG  | Kalesland 36 3274CH Heinenoord                | 0:46                                 |
| BG  | Piet Heinstraat 1 3274LR Heinenoord           | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name                                       | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| bH  | Koimansland 4 3274CJ Heinenoord            | 0:26                                 |
| BH  | Mollekade 1 3274LN Heinenoord              | 0:00                                 |
| BI  | de Ruyterstraat 15 3274LJ Heinenoord       | 0:00                                 |
| bl  | Jan de Rooystraat 1 3274NA Heinenoord      | 1:11                                 |
| bJ  | Jan de Rooystraat 3 3274NA Heinenoord      | 1:11                                 |
| BJ  | Blaaksedijk West 14 3274LE Heinenoord      | 0:00                                 |
| bK  | Jan de Rooystraat 5 3274NA Heinenoord      | 1:11                                 |
| BK  | Mollekade 8 3274LP Heinenoord              | 0:00                                 |
| BL  | de Ruyterstraat 2 B 3274LJ Heinenoord      | 0:00                                 |
| bl  | Jan de Rooystraat 7 3274NA Heinenoord      | 1:12                                 |
| BM  | van Galenstraat 4 3274LV Heinenoord        | 0:00                                 |
| bM  | Jan de Rooystraat 9 3274NA Heinenoord      | 1:13                                 |
| BN  | Mollekade 23 A 3274LN Heinenoord           | 0:00                                 |
| bN  | Jan de Rooystraat 11 3274NA Heinenoord     | 1:14                                 |
| BO  | Blaaksedijk West 20 3274LE Heinenoord      | 0:00                                 |
| bO  | Jan de Rooystraat 13 3274NA Heinenoord     | 1:14                                 |
| bP  | Jan de Rooystraat 2 3274NA Heinenoord      | 1:23                                 |
| BP  | Doormanstraat 45 3274LK Heinenoord         | 0:00                                 |
| BQ  | de Ruyterstraat 4 B 3274LJ Heinenoord      | 0:00                                 |
| bQ  | Jan de Rooystraat 4 3274NA Heinenoord      | 1:24                                 |
| BR  | Nijverheidsweg 7 3274KJ Heinenoord         | 0:00                                 |
| bR  | Jan de Rooystraat 6 3274NA Heinenoord      | 1:25                                 |
| bS  | Jan de Rooystraat 8 3274NA Heinenoord      | 1:26                                 |
| BS  | Gorzenweg 9 3274LL Heinenoord              | 0:00                                 |
| bT  | Jan de Rooystraat 10 3274NA Heinenoord     | 1:27                                 |
| BT  | Mollekade 9 3274LN Heinenoord              | 0:00                                 |
| BU  | de Ruyterstraat 14 3274LJ Heinenoord       | 0:00                                 |
| bU  | Jan de Rooystraat 12 3274NA Heinenoord     | 1:27                                 |
| BV  | Boonsweg 69 3274LH Heinenoord              | 0:00                                 |
| bV  | Jan de Rooystraat 14 3274NA Heinenoord     | 1:28                                 |
| BW  | Boonsweg 65 3274LH Heinenoord              | 0:00                                 |
| bW  | Jan de Rooystraat 16 3274NA Heinenoord     | 1:30                                 |
| BX  | Trompstraat 14 3274LT Heinenoord           | 0:00                                 |
| bX  | Arie Jongekrijgstraat 1 3274NB Heinenoord  | 1:36                                 |
| BY  | Blaaksedijk West 18 3274LE Heinenoord      | 0:00                                 |
| bY  | Arie Jongekrijgstraat 3 3274NB Heinenoord  | 1:35                                 |
| BZ  | van Galenstraat 7 3274LV Heinenoord        | 0:00                                 |
| bZ  | Arie Jongekrijgstraat 5 3274NB Heinenoord  | 1:39                                 |
| C   | Blaaksedijk West 34 3274LE Heinenoord      | 0:00                                 |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht    | 1:21                                 |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord | 1:46                                 |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord       | 0:00                                 |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord | 1:55                                 |
| CB  | Trompstraat 16 3274LT Heinenoord           | 0:00                                 |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord | 2:09                                 |
| CC  | Blaaksedijk West 12 3274LE Heinenoord      | 0:00                                 |
| CD  | Boonsweg 14 3274LH Heinenoord              | 0:00                                 |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord | 2:17                                 |
| CE  | Mollekade 10 3274LP Heinenoord             | 0:00                                 |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord | 2:28                                 |
| CF  | Gorzenweg 5 3274LL Heinenoord              | 0:00                                 |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord | 2:39                                 |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord  | 1:46                                 |
| CG  | van Galenstraat 14 3274LV Heinenoord       | 0:00                                 |
| CH  | Trompstraat 22 3274LT Heinenoord           | 0:00                                 |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord  | 1:47                                 |
| cl  | Arie Jongekrijgstraat 6 3274NB Heinenoord  | 1:49                                 |
| CI  | van Galenstraat 2 3274LV Heinenoord        | 0:00                                 |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord  | 1:50                                 |
| CJ  | Mollekade 13 3274LN Heinenoord             | 0:00                                 |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord | 1:54                                 |
| CK  | Doormanstraat 37 3274LK Heinenoord         | 0:00                                 |
| cL  | Arie Jongekrijgstraat 12 3274NB Heinenoord | 1:53                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:02/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                           | Name               | Shadow, expected values |                      |
|-------------------------------|--------------------|-------------------------|----------------------|
|                               |                    | Shadow hours            | per year<br>[h/year] |
| CL van Galenstraat 12         | 3274LV Heinenoord  | 0:00                    |                      |
| cM Arie Jongekrijgstraat 14   | 3274NB Heinenoord  | 1:53                    |                      |
| CM Boonsweg 12                | 3274LH Heinenoord  | 0:00                    |                      |
| CN Piet Heinstraat 2          | 3274LR Heinenoord  | 0:00                    |                      |
| cN Arie Jongekrijgstraat 16   | 3274NB Heinenoord  | 1:55                    |                      |
| cO Arie Jongekrijgstraat 18   | 3274NB Heinenoord  | 1:54                    |                      |
| CO Doormanstraat 33           | 3274LK Heinenoord  | 0:00                    |                      |
| CP Piet Heinstraat 3          | 3274LR Heinenoord  | 0:00                    |                      |
| cP Arie Jongekrijgstraat 20   | 3274NB Heinenoord  | 1:56                    |                      |
| cQ Opper Van Treurenstraat 2  | 3274ND Heinenoord  | 2:45                    |                      |
| CQ van Galenstraat 16         | 3274LV Heinenoord  | 0:00                    |                      |
| CR Gorzenweg 7                | 3274LL Heinenoord  | 0:00                    |                      |
| cR Opper Van Treurenstraat 4  | 3274ND Heinenoord  | 2:44                    |                      |
| CS Doormanstraat 27           | 3274LK Heinenoord  | 0:00                    |                      |
| cS Opper Van Treurenstraat 6  | 3274ND Heinenoord  | 2:46                    |                      |
| CT de Ruyterstraat 19         | 3274LJ Heinenoord  | 0:00                    |                      |
| cT Opper Van Treurenstraat 8  | 3274ND Heinenoord  | 2:46                    |                      |
| cU Opper Van Treurenstraat 10 | 3274ND Heinenoord  | 2:47                    |                      |
| CU Trompstraat 12             | 3274LT Heinenoord  | 0:00                    |                      |
| CV Nijverheidsweg 47          | 3274KJ Heinenoord  | 0:00                    |                      |
| cV Opper Van Treurenstraat 12 | 3274ND Heinenoord  | 2:48                    |                      |
| CW Doormanstraat 39           | 3274LK Heinenoord  | 0:00                    |                      |
| cW Opper Van Treurenstraat 14 | 3274ND Heinenoord  | 2:48                    |                      |
| cX Opper Van Treurenstraat 16 | 3274ND Heinenoord  | 2:48                    |                      |
| CX Boonsweg 6                 | 3274LH Heinenoord  | 0:00                    |                      |
| CY Piet Heinstraat 9          | 3274LR Heinenoord  | 0:00                    |                      |
| cY Opper Van Treurenstraat 18 | 3274ND Heinenoord  | 2:50                    |                      |
| cZ Opper Van Treurenstraat 20 | 3274ND Heinenoord  | 2:52                    |                      |
| CZ Nijverheidsweg 8           | 3274KJ Heinenoord  | 0:00                    |                      |
| D Blaaksedijk West 41         | 3274LD Heinenoord  | 0:00                    |                      |
| •D Achterzeedijk 1 a 30       | 2991SB Barendrecht | 1:24                    |                      |
| dA Opper Van Treurenstraat 22 | 3274ND Heinenoord  | 2:51                    |                      |
| DA Boonsweg 4                 | 3274LH Heinenoord  | 0:00                    |                      |
| dB Opper Van Treurenstraat 24 | 3274ND Heinenoord  | 2:52                    |                      |
| DB de Ruyterstraat 2 A        | 3274LJ Heinenoord  | 0:00                    |                      |
| dc Opper Van Treurenstraat 26 | 3274ND Heinenoord  | 2:53                    |                      |
| DC van Galenstraat 1          | 3274LV Heinenoord  | 0:00                    |                      |
| DD Mollekade 7                | 3274LN Heinenoord  | 0:00                    |                      |
| dd Opper Van Treurenstraat 28 | 3274ND Heinenoord  | 2:54                    |                      |
| DE Mollekade 4                | 3274LP Heinenoord  | 0:00                    |                      |
| de Opper Van Treurenstraat 30 | 3274ND Heinenoord  | 2:56                    |                      |
| DF Mollekade 2                | 3274LP Heinenoord  | 0:00                    |                      |
| df Opper Van Treurenstraat 32 | 3274ND Heinenoord  | 2:55                    |                      |
| dG Opper Van Treurenstraat 34 | 3274ND Heinenoord  | 3:01                    |                      |
| DG van Galenstraat 28         | 3274LV Heinenoord  | 0:00                    |                      |
| DH Mollekade 6                | 3274LP Heinenoord  | 0:00                    |                      |
| dH Opper Van Treurenstraat 36 | 3274ND Heinenoord  | 3:02                    |                      |
| dI Opper Van Treurenstraat 38 | 3274ND Heinenoord  | 3:03                    |                      |
| DI Mollekade 26 C             | 3274LP Heinenoord  | 0:00                    |                      |
| DJ Mollekade 26 A             | 3274LP Heinenoord  | 0:00                    |                      |
| dJ Opper Van Treurenstraat 40 | 3274ND Heinenoord  | 3:06                    |                      |
| DK Nijverheidsweg 36          | 3274KJ Heinenoord  | 0:00                    |                      |
| dk Opper Van Treurenstraat 42 | 3274ND Heinenoord  | 3:06                    |                      |
| DL Doormanstraat 18           | 3274LK Heinenoord  | 0:00                    |                      |
| dL Opper Van Treurenstraat 44 | 3274ND Heinenoord  | 3:10                    |                      |
| dM Opper Van Treurenstraat 46 | 3274ND Heinenoord  | 3:11                    |                      |
| DM de Ruyterstraat 9          | 3274LJ Heinenoord  | 0:00                    |                      |
| DN van Galenstraat 20         | 3274LV Heinenoord  | 0:00                    |                      |
| dN Opper Van Treurenstraat 48 | 3274ND Heinenoord  | 3:14                    |                      |
| DO Mollekade 5                | 3274LN Heinenoord  | 0:00                    |                      |
| dO Opper Van Treurenstraat 50 | 3274ND Heinenoord  | 3:14                    |                      |
| DP Mollekade 25               | 3274LN Heinenoord  | 0:00                    |                      |
| dP Opper Van Treurenstraat 52 | 3274ND Heinenoord  | 3:17                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name   | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|--|---|--------------|
| DQ  | Blaaksedijk West 17 3274LD Heinenoord        | 0:00  |              |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 3:19  |              |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 0:00  |              |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 3:22  |              |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 3:46  |              |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 0:00  |              |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 3:39  |              |
| DT  | Mollekade 19 3274LN Heinenoord               | 0:00  |              |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 3:59  |              |
| DU  | Trompstraat 6 3274LT Heinenoord              | 0:00  |              |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 4:08  |              |
| DV  | Trompstraat 24 3274LT Heinenoord             | 0:00  |              |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 0:00  |              |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 4:14  |              |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 0:00  |              |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 4:16  |              |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 0:00  |              |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 2:27  |              |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 2:27  |              |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 0:00  |              |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 0:00  |              |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 1:43  |              |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 2:26  |              |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 0:00  |              |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 2:27  |              |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 0:00  |              |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 0:00  |              |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 2:27  |              |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 0:00  |              |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 2:28  |              |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 2:30  |              |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 0:00  |              |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 2:28  |              |
| EF  | Mollekade 26 3274LP Heinenoord               | 0:00  |              |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 2:14  |              |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 0:00  |              |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 2:15  |              |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 0:00  |              |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 2:17  |              |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 0:00  |              |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 0:00  |              |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 2:17  |              |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 0:00  |              |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 2:17  |              |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 2:19  |              |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 0:00  |              |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 3:04  |              |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 0:00  |              |
| EN  | Trompstraat 8 3274LT Heinenoord              | 0:00  |              |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 2:47  |              |
| EO  | Trompstraat 4 3274LT Heinenoord              | 0:00  |              |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 2:31  |              |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 0:00  |              |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 2:19  |              |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 2:08  |              |
| EQ  | van Galenstraat 13 3274LV Heinenoord         | 0:00  |              |
| eR  | Engel de Raatpad 12 3274NC Heinenoord        | 2:01  |              |
| ER  | Mollekade 12 3274LP Heinenoord               | 0:00  |              |
| eS  | Engel de Raatpad 14 3274NC Heinenoord        | 1:49  |              |
| ES  | van Galenstraat 22 3274LV Heinenoord         | 0:00  |              |
| ET  | Doormanstraat 29 3274LK Heinenoord           | 0:00  |              |
| eT  | Jan van Vlietstraat 1 3274NE Heinenoord      | 3:15  |              |
| eU  | Jan van Vlietstraat 3 3274NE Heinenoord      | 3:19  |              |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
|     | EU Doormanstraat 17 3274LK Heinenoord          | 0:00                    |                      |
|     | eV Jan van Vlietstraat 5 3274NE Heinenoord     | 3:23                    |                      |
|     | EV Doormanstraat 10 3274LK Heinenoord          | 0:00                    |                      |
|     | eW Jan van Vlietstraat 7 3274NE Heinenoord     | 3:25                    |                      |
|     | EW Doormanstraat 14 3274LK Heinenoord          | 0:00                    |                      |
|     | EX Trompstraat 18 3274LT Heinenoord            | 0:00                    |                      |
|     | eX Jan van Vlietstraat 9 3274NE Heinenoord     | 3:30                    |                      |
|     | EY van Galenstraat 8 3274LV Heinenoord         | 0:00                    |                      |
|     | eY Jan van Vlietstraat 19 3274NE Heinenoord    | 5:15                    |                      |
|     | eZ Jan van Vlietstraat 21 3274NE Heinenoord    | 5:11                    |                      |
|     | EZ de Ruyterstraat 5 3274LJ Heinenoord         | 0:00                    |                      |
|     | F Blaaksedijk West 55 3274LD Heinenoord        | 0:00                    |                      |
| •   | F Achterzeedijk 1 a 32 2991SB Barendrecht      | 1:49                    |                      |
|     | FA Trompstraat 26 3274LT Heinenoord            | 0:00                    |                      |
|     | fA Jan van Vlietstraat 23 3274NE Heinenoord    | 5:08                    |                      |
|     | FB van Galenstraat 24 3274LV Heinenoord        | 0:00                    |                      |
|     | fB Jan van Vlietstraat 25 3274NE Heinenoord    | 5:02                    |                      |
|     | FC van Galenstraat 3 3274LV Heinenoord         | 0:00                    |                      |
|     | fC Jan van Vlietstraat 27 3274NE Heinenoord    | 4:55                    |                      |
|     | FD Jan van Vlietstraat 29 3274NE Heinenoord    | 4:43                    |                      |
|     | FD Piet Heinstraat 6 3274LR Heinenoord         | 0:00                    |                      |
|     | fE Wouter van den Walestr 11 3274CR Heinenoord | 0:24                    |                      |
|     | FE de Ruyterstraat 13 3274LJ Heinenoord        | 0:00                    |                      |
|     | FF Mollekade 7 A 3274LN Heinenoord             | 0:00                    |                      |
|     | ff Wouter van den Walestr 13 3274CR Heinenoord | 0:24                    |                      |
|     | fG Wouter van den Walestr 15 3274CR Heinenoord | 0:24                    |                      |
|     | FG Blaaksedijk West 16 3274LE Heinenoord       | 0:00                    |                      |
|     | fH Wouter van den Walestr 17 3274CR Heinenoord | 0:24                    |                      |
|     | FH Oosteinde 5 3274KB Heinenoord               | 2:19                    |                      |
|     | fI Wouter van den Walestr 19 3274CR Heinenoord | 0:24                    |                      |
|     | FI Oosteinde 11 3274KB Heinenoord              | 1:20                    |                      |
|     | FJ Oosteinde 1 3274KB Heinenoord               | 1:47                    |                      |
|     | fJ Wouter van den Walestr 21 3274CR Heinenoord | 0:24                    |                      |
|     | FK Oosteinde 3 3274KB Heinenoord               | 2:38                    |                      |
|     | fK Wouter van den Walestr 23 3274CR Heinenoord | 0:24                    |                      |
|     | FL Oud-Heinenoordseweg 9 3274KD Heinenoord     | 1:32                    |                      |
|     | fL Wouter van den Walestr 25 3274CR Heinenoord | 0:24                    |                      |
|     | fM Wouter van den Walestr 27 3274CR Heinenoord | 0:24                    |                      |
|     | FM Oud-Heinenoordseweg 3 3274KD Heinenoord     | 2:47                    |                      |
|     | FN Oosteinde 13 3274KB Heinenoord              | 1:17                    |                      |
|     | fN Wouter van den Walestr 29 3274CR Heinenoord | 0:25                    |                      |
|     | fO Wouter van den Walestr 31 3274CR Heinenoord | 0:24                    |                      |
|     | FO Oosteinde 7 3274KB Heinenoord               | 1:55                    |                      |
|     | FP Wouter van den Walestr 33 3274CR Heinenoord | 0:25                    |                      |
|     | FP Oosteinde 27 3274KB Heinenoord              | 2:00                    |                      |
|     | fQ Wouter van den Walestr 35 3274CR Heinenoord | 0:24                    |                      |
|     | FQ Oud-Heinenoordseweg 8 3274KD Heinenoord     | 0:00                    |                      |
|     | FR Oosteinde 25 3274KB Heinenoord              | 1:40                    |                      |
|     | fR Wouter van den Walestr 37 3274CR Heinenoord | 0:25                    |                      |
|     | FS Oud-Heinenoordseweg 10 3274KD Heinenoord    | 0:00                    |                      |
|     | fS Wouter van den Walestr 39 3274CR Heinenoord | 0:24                    |                      |
|     | FT Wouter van den Walestr 41 3274CR Heinenoord | 0:25                    |                      |
|     | FT Oud-Heinenoordseweg 7 3274KD Heinenoord     | 2:06                    |                      |
|     | fU Wouter van den Walestr 43 3274CR Heinenoord | 0:24                    |                      |
|     | FU Oud-Heinenoordseweg 1 3274KD Heinenoord     | 2:22                    |                      |
|     | fV Wouter van den Walestr 45 3274CR Heinenoord | 0:25                    |                      |
|     | FV Oosteinde 19 3274KB Heinenoord              | 0:52                    |                      |
|     | fW Wouter van den Walestr 47 3274CR Heinenoord | 0:25                    |                      |
|     | FW Oud-Heinenoordseweg 5 3274KD Heinenoord     | 2:28                    |                      |
|     | FX Dorpsstraat 8 3274BD Heinenoord             | 0:00                    |                      |
|     | FX Oud-Heinenoordseweg 21 3274KD Heinenoord    | 0:00                    |                      |
|     | FY Oud-Heinenoordseweg 13 3274KD Heinenoord    | 0:39                    |                      |
|     | fY Jan van Vlietstraat 11 3274NE Heinenoord    | 3:35                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name   | Shadow, expected values<br>Shadow hours<br>per year<br>[h/year] |
|-----|--|---|
| FZ  | Oosteinde 17 3274KB Heinenoord               | 1:03  |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 3:38  |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 0:00  |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 1:37  |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 0:00  |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 3:42  |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 3:46  |
| GB  | Oosteinde 21 3274KB Heinenoord               | 1:10  |
| GC  | Oosteinde 9 3274KB Heinenoord                | 1:30  |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 3:49  |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 1:04  |
| gD  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 3:52  |
| GE  | Oosteinde 31 3274KB Heinenoord               | 2:26  |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 3:57  |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 4:02  |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 0:00  |
| GG  | Oosteinde 15 3274KB Heinenoord               | 1:10  |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 1:39  |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 1:40  |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 0:30  |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 1:41  |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 0:00  |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 1:33  |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 1:42  |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 0:00  |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 2:20  |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 0:00  |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 0:00  |
| GM  | Oosteinde 29 3274KB Heinenoord               | 1:58  |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 0:00  |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 1:43  |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 3:03  |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 0:58  |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 0:02  |
| gP  | Koedood 17 a 2993AL Barendrecht              | 0:00  |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 0:00  |
| gQ  | Koedood 17 2993AL Barendrecht                | 0:00  |
| GQ  | Oosteinde 23 3274KB Heinenoord               | 1:26  |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 0:00  |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 2:44  |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 1:00  |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 1:16  |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 11:28   |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 0:29  |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 0:00  |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 0:52  |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 1:40  |
| GV  | Avenhil 5 3274CT Heinenoord                  | 1:14  |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 2:19  |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 0:37  |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 0:00  |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 1:11  |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 0:00  |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 3:15  |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 3:39  |
| GZ  | Avenhil 37 3274CT Heinenoord                 | 2:06  |
| H   | Reedijk 1 3274KE Heinenoord                  | 0:00  |
| •H  | Achterzeedijk 1 a 34 2991SB Barendrecht      | 1:36  |
| hA  | Achterzeedijk 63 2992SB Barendrecht          | 2:36  |
| HA  | Hermannushof 14 3274CE Heinenoord            | 0:52  |
| hb  | Achterzeedijk 67 2992SB Barendrecht          | 3:03  |
| HB  | Marijkestraat 25 3274AJ Heinenoord           | 0:00  |
| hc  | Achterzeedijk 38 2992SC Barendrecht          | 1:53  |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| HC  | Kalesland 3 3274CH Heinenoord                 | 0:44  |              |
| hD  | Achterzeedijk 47 2992SB Barendrecht           | 3:04  |              |
| HD  | Prof. Teldersstraat 35 3274MC Heinenoord      | 3:18  |              |
| hE  | Achterzeedijk 39 2992SB Barendrecht           | 2:23  |              |
| HE  | Marijkestraat 11 3274AJ Heinenoord            | 0:00  |              |
| hF  | Achterzeedijk 41 2992SB Barendrecht           | 2:41  |              |
| HF  | John F. Kennedystraat 38 3274CG Heinenoord    | 2:52  |              |
| hG  | Achterzeedijk 64 2992SC Barendrecht           | 0:58  |              |
| HG  | Oranjestraat 16 3274AK Heinenoord             | 0:00  |              |
| hH  | Achterzeedijk 71 2992SB Barendrecht           | 10:20   |              |
| HH  | Boerengorzen 10 3274CV Heinenoord             | 2:20  |              |
| hI  | Achterzeedijk 59 2992SB Barendrecht           | 0:45  |              |
| HI  | Kalesland 78 3274CH Heinenoord                | 0:59  |              |
| HJ  | Margrietstraat 18 3274AH Heinenoord           | 0:00  |              |
| hJ  | Achterzeedijk 42 2992SC Barendrecht           | 2:56  |              |
| HK  | Martin Luther Kingstraat 60 3274CL Heinenoord | 0:59  |              |
| hK  | Achterzeedijk 49 2992SB Barendrecht           | 2:56  |              |
| hL  | Achterzeedijk 48 2992SC Barendrecht           | 1:15  |              |
| HL  | Talmahof 7 3274CN Heinenoord                  | 0:28  |              |
| hM  | Achterzeedijk 60 2992SC Barendrecht           | 1:35  |              |
| HM  | Kalesland 56 3274CH Heinenoord                | 0:56  |              |
| hN  | Achterzeedijk 58 2992SC Barendrecht           | 0:55  |              |
| HN  | Emmastraat 22 3274AC Heinenoord               | 0:00  |              |
| hO  | Achterzeedijk 61 2992SB Barendrecht           | 0:47  |              |
| HO  | John F. Kennedystraat 18 3274CG Heinenoord    | 2:02  |              |
| hP  | Achterzeedijk 40 2992SC Barendrecht           | 2:11  |              |
| HP  | Martin Luther Kingstraat 32 3274CK Heinenoord | 0:34  |              |
| hQ  | Dreeshof 1 3274CC Heinenoord                  | 0:44  |              |
| hQ  | Achterzeedijk 61 b 2992SB Barendrecht         | 0:53  |              |
| HR  | Buitelanden 8 3274MB Heinenoord               | 4:44  |              |
| hR  | Achterzeedijk 56 2992SC Barendrecht           | 0:31  |              |
| HS  | Heyne van Althenastraat 14 3274CD Heinenoord  | 0:27  |              |
| hS  | Achterzeedijk 73 2992SB Barendrecht           | 10:52   |              |
| HT  | Prof. Teldersstraat 11 3274CZ Heinenoord      | 2:40  |              |
| hT  | Achterzeedijk 50 2992SC Barendrecht           | 0:28  |              |
| hU  | Gorzenweg 10 3274LL Heinenoord                | 2:09  |              |
| HU  | Prof. Teldersstraat 16 3274MC Heinenoord      | 3:07  |              |
| HV  | John F. Kennedystraat 41 3274CG Heinenoord    | 0:43  |              |
| hv  | Gorzenweg 8 3274LL Heinenoord                 | 1:28  |              |
| hW  | Mollekade 31 3274LN Heinenoord                | 1:47  |              |
| HW  | Rietwaard 17 3274MA Heinenoord                | 4:04  |              |
| hX  | Mollekade 32 3274LP Heinenoord                | 1:25  |              |
| HX  | Koomansland 26 3274CJ Heinenoord              | 0:25  |              |
| hY  | Boonsweg 44 3274LH Heinenoord                 | 13:27   |              |
| HY  | Wouter van den Walestr 32 3274CR Heinenoord   | 0:00  |              |
| HZ  | Avenhil 14 3274CT Heinenoord                  | 1:24  |              |
| hZ  | Gorzenweg 6 A 3274LL Heinenoord               | 0:00  |              |
| I   | Reedijk 1 A 3274KE Heinenoord                 | 0:00  |              |
| •I  | Achterzeedijk 1 a 35 2991SB Barendrecht       | 1:54  |              |
| IA  | Avenhil 3 3274CT Heinenoord                   | 1:18  |              |
| iA  | Zomerlandseweg 9 3274LX Heinenoord            | 0:00  |              |
| IB  | John F. Kennedystraat 40 3274CG Heinenoord    | 2:51  |              |
| IB  | Mollekade 29 3274LN Heinenoord                | 1:09  |              |
| iC  | Mollekade 28 3274LP Heinenoord                | 1:26  |              |
| IC  | Wouter van den Walestr 72 3274CS Heinenoord   | 0:20  |              |
| ID  | Dreeshof 9 3274CC Heinenoord                  | 0:45  |              |
| iD  | Mollekade 39 3274LN Heinenoord                | 1:14  |              |
| IE  | Thorbeckehof 1 3274CP Heinenoord              | 1:02  |              |
| iE  | Mollekade 41 3274LN Heinenoord                | 1:10  |              |
| IF  | Spuivelden 25 3274CM Heinenoord               | 0:55  |              |
| iF  | Mollekade 47 3274LN Heinenoord                | 1:13  |              |
| iG  | Mollekade 45 3274LN Heinenoord                | 1:10  |              |
| IG  | Wiardi Beckmanhof 8 3274CX Heinenoord         | 1:17  |              |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| IH  | Talmahof 4 3274CN Heinenoord                  | 0:38                    |                      |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 0:00                    |                      |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 1:19                    |                      |
| il  | Mollekade 43 3274LN Heinenoord                | 1:09                    |                      |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 2:03                    |                      |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 0:00                    |                      |
| IK  | De Laagjes 12 3274CB Heinenoord               | 0:32                    |                      |
| ik  | Mollekade 35 3274LN Heinenoord                | 1:19                    |                      |
| IL  | Gorzenweg 4 3274LL Heinenoord                 | 0:00                    |                      |
| lL  | Talmahof 11 3274CN Heinenoord                 | 0:29                    |                      |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 1:00                    |                      |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 5:35                    |                      |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 3:21                    |                      |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 0:00                    |                      |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 0:52                    |                      |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 0:00                    |                      |
| IP  | Koimansland 32 3274CJ Heinenoord              | 0:30                    |                      |
| iP  | Stekkant 40 2993DB Barendrecht                | 0:00                    |                      |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 2:38                    |                      |
| iQ  | Stekkant 33 2993DB Barendrecht                | 0:00                    |                      |
| IR  | Sperlingwater 12 2993DM Barendrecht           | 0:00                    |                      |
| iR  | Kalesland 52 3274CH Heinenoord                | 0:54                    |                      |
| iS  | Koedood 6 a 2993AL Barendrecht                | 0:00                    |                      |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 0:38                    |                      |
| IT  | Avenhil 15 3274CT Heinenoord                  | 1:22                    |                      |
| iT  | Stekkant 107 2993DB Barendrecht               | 0:00                    |                      |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 0:00                    |                      |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 1:17                    |                      |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 0:00                    |                      |
| IV  | Kalesland 19 3274CH Heinenoord                | 0:50                    |                      |
| iW  | Stekkant 2 2993DB Barendrecht                 | 0:00                    |                      |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 0:00                    |                      |
| iX  | Müllerhaven 32 2993EA Barendrecht             | 0:00                    |                      |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 0:35                    |                      |
| iY  | Oranjestraat 11 B 3274AK Heinenoord           | 0:00                    |                      |
| iY  | Calandhaven 3 2993HL Barendrecht              | 0:00                    |                      |
| IZ  | Stekkant 87 2993DB Barendrecht                | 0:00                    |                      |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 0:56                    |                      |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 0:00                    |                      |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 1:58                    |                      |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 0:42                    |                      |
| jA  | Meeshaven 5 2993HN Barendrecht                | 0:00                    |                      |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 3:37                    |                      |
| JB  | Smithaven 4 2993EC Barendrecht                | 0:00                    |                      |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 0:00                    |                      |
| JC  | Emmastraat 11 3274AC Heinenoord               | 0:00                    |                      |
| JD  | Stekkant 13 2993DB Barendrecht                | 0:00                    |                      |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 1:15                    |                      |
| JE  | Wouter van den Walestr. 48 3274CS Heinenoord  | 0:20                    |                      |
| je  | Kröllerhaven 12 2993ED Barendrecht            | 0:00                    |                      |
| JF  | Avenhil 9 3274CT Heinenoord                   | 1:10                    |                      |
| JF  | Stekkant 51 2993DB Barendrecht                | 0:00                    |                      |
| JG  | De Laagjes 23 3274CB Heinenoord               | 0:38                    |                      |
| JG  | Zalmwater 143 2993DX Barendrecht              | 0:00                    |                      |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 0:00                    |                      |
| JH  | Van Hobokenhaven 43 2993HH Barendrecht        | 0:00                    |                      |
| JI  | Müllerhaven 70 2993EA Barendrecht             | 0:00                    |                      |
| JI  | Rietwaard 20 3274MA Heinenoord                | 4:01                    |                      |
| jj  | Stekkant 89 2993DB Barendrecht                | 0:00                    |                      |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 0:00                    |                      |
| JK  | Müllerhaven 36 2993EA Barendrecht             | 0:00                    |                      |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 3:08                    |                      |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 0:46                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:02/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| JL  | Steekkant 73 2993DB Barendrecht               | 0:00                                 |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 0:24                                 |
| JM  | Aalwater 20 2993DD Barendrecht                | 0:00                                 |
| jN  | Steekkant 111 2993DB Barendrecht              | 0:00                                 |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 2:34                                 |
| JO  | Smithaven 6 2993EC Barendrecht                | 0:00                                 |
| JO  | Oosteinde 45 3274KB Heinenoord                | 1:43                                 |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 0:00                                 |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 0:20                                 |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 0:00                                 |
| JQ  | Smithaven 35 2993EC Barendrecht               | 0:00                                 |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 0:29                                 |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 0:00                                 |
| JS  | Steekkant 127 2993DB Barendrecht              | 0:00                                 |
| JS  | Kalesland 32 3274CH Heinenoord                | 0:45                                 |
| JT  | Van Hobokenhaven 61 2993HH Barendrecht        | 0:00                                 |
| JT  | Talmahof 2 3274CN Heinenoord                  | 0:38                                 |
| jU  | Smithaven 18 2993EC Barendrecht               | 0:00                                 |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 0:00                                 |
| JV  | Swarttouwhaven 52 2993HP Barendrecht          | 0:00                                 |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 3:44                                 |
| jW  | Kabbelkant 6 2993DC Barendrecht               | 0:00                                 |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 0:43                                 |
| JX  | Meeshaven 7 2993HN Barendrecht                | 0:00                                 |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 0:00                                 |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 0:46                                 |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 0:00                                 |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 0:00                                 |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 0:00                                 |
| K   | Blaakseidijk West 51 3274LD Heinenoord        | 0:00                                 |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 2:03                                 |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 0:00                                 |
| KA  | Talmahof 8 3274CN Heinenoord                  | 0:37                                 |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 0:00                                 |
| KB  | Irenestraat 28 3274AE Heinenoord              | 0:00                                 |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 0:39                                 |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 0:00                                 |
| KD  | Van Hobokenhaven 27 2993HH Barendrecht        | 0:00                                 |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 0:00                                 |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 0:44                                 |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 0:00                                 |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 0:00                                 |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 0:24                                 |
| KG  | Steekkant 147 2993DB Barendrecht              | 0:00                                 |
| KG  | Emmastraat 30 3274AC Heinenoord               | 0:00                                 |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 0:00                                 |
| KH  | Van Hobokenhaven 59 2993HH Barendrecht        | 0:00                                 |
| kI  | Aalwater 4 2993DD Barendrecht                 | 0:00                                 |
| KI  | Emmastraat 32 3274AC Heinenoord               | 0:00                                 |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 0:00                                 |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 0:00                                 |
| KK  | De Laagjes 21 3274CB Heinenoord               | 0:38                                 |
| KK  | Aalwater 19 2993DD Barendrecht                | 0:00                                 |
| KL  | Steurwater 13 2993DE Barendrecht              | 0:00                                 |
| KL  | Buitelanden 1 3274MB Heinenoord               | 4:10                                 |
| KM  | Irenestraat 3 3274AD Heinenoord               | 0:00                                 |
| KM  | Vederhaven 3 2993EB Barendrecht               | 0:00                                 |
| KN  | Van Hobokenhaven 39 2993HH Barendrecht        | 0:00                                 |
| KN  | Irenestraat 36 3274AE Heinenoord              | 0:00                                 |
| KO  | Emmastraat 20 3274AC Heinenoord               | 0:00                                 |
| KO  | Müllerhaven 8 2993EA Barendrecht              | 0:00                                 |
| KP  | Steekkant 129 2993DB Barendrecht              | 0:00                                 |
| KP  | Oosteinde 41 3274KB Heinenoord                | 2:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                            | Name                  | Shadow, expected values  |          |
|--------------------------------|-----------------------|--------------------------|----------|
|                                |                       | Shadow hours<br>per year | [h/year] |
| KQ Steekkant 149               | 2993DB Barendrecht    | 0:00                     |          |
| KQ John F. Kennedystraat 35    | 3274CG Heinenoord     | 0:39                     |          |
| KR Avenhil 30                  | 3274CT Heinenoord     | 2:08                     |          |
| KR Smithaven 59                | 2993EC Barendrecht    | 0:00                     |          |
| KS Ruyshaven 4                 | 2993HM Barendrecht    | 0:00                     |          |
| KS John F. Kennedystraat 55    | 3274CG Heinenoord     | 0:59                     |          |
| KT Martin Luther Kingstraat 34 | 3274CL Heinenoord     | 0:38                     |          |
| KT Swarttouwhaven 10           | 2993HP Barendrecht    | 0:00                     |          |
| KU Steekkant 109               | 2993DB Barendrecht    | 0:00                     |          |
| KU Kooimansland 6              | 3274CJ Heinenoord     | 0:25                     |          |
| KV Boerengorzen 8              | 3274CV Heinenoord     | 2:17                     |          |
| KV Müllerhaven 42              | 2993EA Barendrecht    | 0:00                     |          |
| kW Müllerhaven 48              | 2993EA Barendrecht    | 0:00                     |          |
| KW Margrietstraat 20           | 3274AH Heinenoord     | 0:00                     |          |
| KX Dorpsstraat 1 A             | 3274BB Heinenoord     | 0:58                     |          |
| KX Kröllerhaven 53             | 2993ED Barendrecht    | 0:00                     |          |
| KY Steekkant 57                | 2993DB Barendrecht    | 0:00                     |          |
| KY John F. Kennedystraat 5     | 3274CG Heinenoord     | 0:25                     |          |
| KZ Kalesland 72                | 3274CH Heinenoord     | 1:03                     |          |
| KZ Kröllerhaven 23             | 2993ED Barendrecht    | 0:00                     |          |
| L Reedijk 2                    | 3274KE Heinenoord     | 0:00                     |          |
| •L Achterzeedijk 1 a           | 38 2991SB Barendrecht | 2:09                     |          |
| LA John F. Kennedystraat 67    | 3274CG Heinenoord     | 1:52                     |          |
| IA Ruyshaven 8                 | 2993HM Barendrecht    | 0:00                     |          |
| LB Wouter van den Walestr 28   | 3274CR Heinenoord     | 0:00                     |          |
| IB Swarttouwhaven 44           | 2993HP Barendrecht    | 0:00                     |          |
| IC Müllerhaven 56              | 2993EA Barendrecht    | 0:00                     |          |
| LC Dreeshof 11                 | 3274CC Heinenoord     | 0:44                     |          |
| LD John F. Kennedystraat 22    | 3274CG Heinenoord     | 2:06                     |          |
| ID Steekkant 22                | 2993DB Barendrecht    | 0:00                     |          |
| LE Kalesland 18                | 3274CH Heinenoord     | 0:39                     |          |
| IE Meeshaven 2                 | 2993HN Barendrecht    | 0:00                     |          |
| IF Aalwater 14                 | 2993DD Barendrecht    | 0:00                     |          |
| LF Kooimansland 18             | 3274CJ Heinenoord     | 0:22                     |          |
| IG Steekkant 55                | 2993DB Barendrecht    | 0:00                     |          |
| LG Boerengorzen 4              | 3274CV Heinenoord     | 2:18                     |          |
| LH Julianalaan 40              | 3274AG Heinenoord     | 0:00                     |          |
| IH Steekkant 77                | 2993DB Barendrecht    | 0:00                     |          |
| II Steekkant 115               | 2993DB Barendrecht    | 0:00                     |          |
| LI John F. Kennedystraat 13    | 3274CG Heinenoord     | 0:24                     |          |
| IJ Kröllerhaven 37             | 2993ED Barendrecht    | 0:00                     |          |
| LJ Rietwaard 24                | 3274MA Heinenoord     | 4:51                     |          |
| IK Kröllerhaven 39             | 2993ED Barendrecht    | 0:00                     |          |
| LK Heyne van Althenastraat 30  | 3274CD Heinenoord     | 0:43                     |          |
| LL Kalesland 7                 | 3274CH Heinenoord     | 0:44                     |          |
| IL Swarttouwhaven 30           | 2993HP Barendrecht    | 0:00                     |          |
| LM Julianalaan 46              | 3274AG Heinenoord     | 0:00                     |          |
| IM Steekkant 19                | 2993DB Barendrecht    | 0:00                     |          |
| LN Marijkestraat 1 B           | 3274AJ Heinenoord     | 0:00                     |          |
| IN Steekkant 12                | 2993DB Barendrecht    | 0:00                     |          |
| IO Müllerhaven 24              | 2993EA Barendrecht    | 0:00                     |          |
| LO Irenestraat 10              | 3274AE Heinenoord     | 0:00                     |          |
| IP Spieringwater 8             | 2993DM Barendrecht    | 0:00                     |          |
| LP Wiardi Beckmanhof 7         | 3274CX Heinenoord     | 1:18                     |          |
| IQ Kröllerhaven 51             | 2993ED Barendrecht    | 0:00                     |          |
| LQ Spuivelden 8                | 3274CM Heinenoord     | 0:57                     |          |
| LR Prof. Teldersstraat 37      | 3274MC Heinenoord     | 3:19                     |          |
| IR Kabbelkant 2                | 2993DC Barendrecht    | 0:00                     |          |
| IS Steekkant 10                | 2993DB Barendrecht    | 0:00                     |          |
| LS Beatrixstraat 34            | 3274AA Heinenoord     | 0:00                     |          |
| LT Marijkestraat 2             | 3274AJ Heinenoord     | 0:00                     |          |
| IT Swarttouwhaven 20           | 2993HP Barendrecht    | 0:00                     |          |
| LU Martin Luther Kingstraat 14 | 3274CK Heinenoord     | 0:27                     |          |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:02/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| IU  | Kabbelkant 8 2993DC Barendrecht             | 0:00                                 |
| IV  | Koedood 8 2993AL Barendrecht                | 0:00                                 |
| LV  | Rietwaard 5 3274MA Heinenoord               | 3:23                                 |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord | 0:28                                 |
| IW  | Kröllehaven 41 2993ED Barendrecht           | 0:00                                 |
| LX  | Rietwaard 6 3274MA Heinenoord               | 2:59                                 |
| IX  | Stekkant 63 2993DB Barendrecht              | 0:00                                 |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord  | 2:43                                 |
| IY  | Stekkant 101 2993DB Barendrecht             | 0:00                                 |
| LZ  | Avenhil 36 3274CT Heinenoord                | 2:03                                 |
| IZ  | Stekkant 1 2993DB Barendrecht               | 0:00                                 |
| M   | Reedijk 3 3274KE Heinenoord                 | 0:00                                 |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht     | 2:12                                 |
| MA  | Irenestraat 26 3274AE Heinenoord            | 0:00                                 |
| mA  | Müllerhaven 58 2993EA Barendrecht           | 0:00                                 |
| mB  | Stekkant 15 2993DB Barendrecht              | 0:00                                 |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord     | 2:42                                 |
| mC  | Müllerhaven 12 2993EA Barendrecht           | 0:00                                 |
| MC  | Oranjestraat 26 3274AK Heinenoord           | 0:00                                 |
| mD  | Stekkant 133 2993DB Barendrecht             | 0:00                                 |
| MD  | Avenhil 23 3274CT Heinenoord                | 1:54                                 |
| mE  | Aalwater 13 2993DD Barendrecht              | 0:00                                 |
| ME  | Dorpsstraat 1 3274BB Heinenoord             | 0:36                                 |
| mF  | Swarttouwhaven 24 2993HP Barendrecht        | 0:00                                 |
| MF  | Kalesland 58 3274CH Heinenoord              | 1:00                                 |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord | 0:19                                 |
| mG  | Stekkant 37 2993DB Barendrecht              | 0:00                                 |
| mH  | Kabbelkant 4 2993DC Barendrecht             | 0:00                                 |
| MH  | Irenestraat 48 3274AE Heinenoord            | 0:00                                 |
| MI  | Avenhil 13 3274CT Heinenoord                | 1:26                                 |
| mI  | Steurwater 5 2993DE Barendrecht             | 0:00                                 |
| mJ  | Vederhaven 11 2993EB Barendrecht            | 0:00                                 |
| MJ  | Kalesland 1 3274CH Heinenoord               | 0:43                                 |
| mK  | Swarttouwhaven 48 2993HP Barendrecht        | 0:00                                 |
| MK  | Koomansland 5 3274CJ Heinenoord             | 0:30                                 |
| ML  | Margrietstraat 9 3274AH Heinenoord          | 0:00                                 |
| mL  | Stekkant 153 2993DB Barendrecht             | 0:00                                 |
| MM  | Emmastraat 16 3274AC Heinenoord             | 0:00                                 |
| mm  | Stekkant 24 2993DB Barendrecht              | 0:00                                 |
| MN  | Irenestraat 1 3274AD Heinenoord             | 0:00                                 |
| mN  | Stekkant 16 2993DB Barendrecht              | 0:00                                 |
| mO  | Stekkant 14 2993DB Barendrecht              | 0:00                                 |
| MO  | Avenhil 10 3274CT Heinenoord                | 1:11                                 |
| MP  | Spuivelden 15 3274CM Heinenoord             | 0:57                                 |
| mP  | Smithaven 2 2993EC Barendrecht              | 0:00                                 |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord      | 1:48                                 |
| mQ  | Aalwater 8 2993DD Barendrecht               | 0:00                                 |
| MR  | Talmahof 9 3274CN Heinenoord                | 0:29                                 |
| mR  | Stekkant 53 2993DB Barendrecht              | 0:00                                 |
| mS  | Smithaven 43 2993EC Barendrecht             | 0:00                                 |
| MS  | Beatrixstraat 48 3274AA Heinenoord          | 0:00                                 |
| mT  | Müllerhaven 72 2993EA Barendrecht           | 0:00                                 |
| MT  | De Laagjes 26 3274CB Heinenoord             | 0:41                                 |
| MU  | Bernhardstraat 6 3274AB Heinenoord          | 0:00                                 |
| mU  | Smithaven 14 2993EC Barendrecht             | 0:00                                 |
| MV  | Wiardi Beckmanhof 11 3274CX Heinenoord      | 1:21                                 |
| mV  | Van Hobokenhaven 45 2993HH Barendrecht      | 0:00                                 |
| mW  | Stekkant 48 2993DB Barendrecht              | 0:00                                 |
| MW  | Julianalaan 42 3274AG Heinenoord            | 0:00                                 |
| MX  | De Laagjes 22 3274CB Heinenoord             | 0:40                                 |
| mX  | Stekkant 75 2993DB Barendrecht              | 0:00                                 |
| mY  | Stekkant 91 2993DB Barendrecht              | 0:00                                 |
| MY  | Koomansland 13 3274CJ Heinenoord            | 0:34                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                            | Name               | Shadow, expected values              |
|--------------------------------|--------------------|--------------------------------------|
|                                |                    | Shadow hours<br>per year<br>[h/year] |
| mZ Aalwater 18                 | 2993DD Barendrecht | 0:00                                 |
| MZ Kalesland 46                | 3274CH Heinenoord  | 0:51                                 |
| N Blaaksedijk West 31          | 3274LD Heinenoord  | 0:00                                 |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht | 2:18                                 |
| NA Spuivelden 9                | 3274CM Heinenoord  | 0:45                                 |
| nA Aalwater 16                 | 2993DD Barendrecht | 0:00                                 |
| nB Steekkant 17                | 2993DB Barendrecht | 0:00                                 |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord  | 0:43                                 |
| NC Irenestraat 20              | 3274AE Heinenoord  | 0:00                                 |
| nC Zalmwater 155               | 2993DX Barendrecht | 0:00                                 |
| ND Oranjestraat 31             | 3274AK Heinenoord  | 0:00                                 |
| ND Müllerhaven 60              | 2993EA Barendrecht | 0:00                                 |
| nE Swarttouwhaven 18           | 2993HP Barendrecht | 0:00                                 |
| NE Kalesland 28                | 3274CH Heinenoord  | 0:44                                 |
| nF Zalmwater 151               | 2993DX Barendrecht | 0:00                                 |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord  | 0:53                                 |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord  | 3:36                                 |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht | 0:00                                 |
| nH Smithaven 33                | 2993EC Barendrecht | 0:00                                 |
| NH Dorpsstraat 7               | 3274BB Heinenoord  | 0:00                                 |
| nI Müllerhaven 4               | 2993EA Barendrecht | 0:00                                 |
| NI Kalesland 64                | 3274CH Heinenoord  | 1:00                                 |
| nJ Smithaven 39                | 2993EC Barendrecht | 0:00                                 |
| NJ Andries Woutershof 8        | 3274CA Heinenoord  | 0:33                                 |
| NK Beatrixstraat 23            | 3274AA Heinenoord  | 0:00                                 |
| nK Müllerhaven 10              | 2993EA Barendrecht | 0:00                                 |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord  | 2:43                                 |
| nL Steekkant 131               | 2993DB Barendrecht | 0:00                                 |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht | 0:00                                 |
| NM Oosteinde 24                | 3274KC Heinenoord  | 2:28                                 |
| nN Steekkant 23                | 2993DB Barendrecht | 0:00                                 |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord  | 2:44                                 |
| NO Kooimansland 1              | 3274CJ Heinenoord  | 0:30                                 |
| nO Steekkant 50                | 2993DB Barendrecht | 0:00                                 |
| NP Buitenlanden 21             | 3274MB Heinenoord  | 3:58                                 |
| nP Steekkant 20                | 2993DB Barendrecht | 0:00                                 |
| nQ Müllerhaven 64              | 2993EA Barendrecht | 0:00                                 |
| NQ Marijkestraat 9             | 3274AJ Heinenoord  | 0:00                                 |
| nR Kröllerhaven 15             | 2993ED Barendrecht | 0:00                                 |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord  | 2:35                                 |
| nS Steekkant 79                | 2993DB Barendrecht | 0:00                                 |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord  | 2:54                                 |
| NT Kalesland 6                 | 3274CH Heinenoord  | 0:35                                 |
| nT Steekkant 35                | 2993DB Barendrecht | 0:00                                 |
| nU Kröllerhaven 33             | 2993ED Barendrecht | 0:00                                 |
| NU Kooimansland 2              | 3274CJ Heinenoord  | 0:25                                 |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord  | 2:10                                 |
| nV Swarttouwhaven 38           | 2993HP Barendrecht | 0:00                                 |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord  | 0:32                                 |
| nW Kabbelkant 16               | 2993DC Barendrecht | 0:00                                 |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht | 0:00                                 |
| NX Oosteinde 16                | 3274KC Heinenoord  | 3:53                                 |
| NY Irenestraat 19              | 3274AD Heinenoord  | 0:00                                 |
| nY Meeshaven 18                | 2993HN Barendrecht | 0:00                                 |
| NZ Bernhardstraat 4            | 3274AB Heinenoord  | 0:00                                 |
| nZ Ruyshaven 7                 | 2993HM Barendrecht | 0:00                                 |
| O Blaaksedijk West 32          | 3274LE Heinenoord  | 0:00                                 |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht | 2:37                                 |
| OA Boerengorzen 2              | 3274CV Heinenoord  | 2:21                                 |
| oA Müllerhaven 62              | 2993EA Barendrecht | 0:00                                 |
| oB Smithaven 27                | 2993EC Barendrecht | 0:00                                 |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord  | 0:22                                 |
| oC Aalwater 21                 | 2993DD Barendrecht | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                            | Name               | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|--------------------------------|--------------------|---|--------------|
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord  | 2:57  |              |
| oD Swarttouwhaven 56           | 2993HP Barendrecht | 0:00  |              |
| OD Irenestraat 44              | 3274AE Heinenoord  | 0:00  |              |
| OE Kalesland 22                | 3274CH Heinenoord  | 0:40  |              |
| oE Van Hobokenhaven 21         | 2993HH Barendrecht | 0:00  |              |
| OF Marijkestraat 4             | 3274AJ Heinenoord  | 0:00  |              |
| oF Kröllerhaven 27             | 2993ED Barendrecht | 0:00  |              |
| OG Wiardi Beckmanhof 1         | 3274CX Heinenoord  | 1:17  |              |
| oG Kröllerhaven 19             | 2993ED Barendrecht | 0:00  |              |
| OH Emmastraat 2 F              | 3274AC Heinenoord  | 0:00  |              |
| oH Ruyshaven 2                 | 2993HM Barendrecht | 0:00  |              |
| OI Koomansland 22              | 3274CJ Heinenoord  | 0:23  |              |
| oI Koedood 2 b                 | 2993AL Barendrecht | 0:00  |              |
| OJ Prof. Teldersstraat 26      | 3274MC Heinenoord  | 3:23  |              |
| oJ Swarttouwhaven 60           | 2993HP Barendrecht | 0:00  |              |
| OK Avenhil 12                  | 3274CT Heinenoord  | 1:16  |              |
| oK Müllerhaven 28              | 2993EA Barendrecht | 0:00  |              |
| oL Spieringwater 14            | 2993DM Barendrecht | 0:00  |              |
| OL Martin Luther Kingstraat 46 | 3274CL Heinenoord  | 0:46  |              |
| oM Aalwater 7                  | 2993DD Barendrecht | 0:00  |              |
| OM Heyne van Althenastraat 10  | 3274CD Heinenoord  | 0:26  |              |
| oN Steekkant 34                | 2993DB Barendrecht | 0:00  |              |
| ON Rietwaard 10                | 3274MA Heinenoord  | 3:05  |              |
| oO Steekkant 61                | 2993DB Barendrecht | 0:00  |              |
| OO Martin Luther Kingstraat 62 | 3274CL Heinenoord  | 1:00  |              |
| OP Avenhil 40                  | 3274CT Heinenoord  | 1:34  |              |
| oP Steekkant 167               | 2993DB Barendrecht | 0:00  |              |
| OQ Emmastraat 28               | 3274AC Heinenoord  | 0:00  |              |
| oQ Van Hobokenhaven 57         | 2993HH Barendrecht | 0:00  |              |
| oR Steekkant 159               | 2993DB Barendrecht | 0:00  |              |
| OR Avenhil 16                  | 3274CT Heinenoord  | 1:19  |              |
| OS Irenestraat 46              | 3274AE Heinenoord  | 0:00  |              |
| oS Kröllerhaven 21             | 2993ED Barendrecht | 0:00  |              |
| oT Ruyshaven 6                 | 2993HM Barendrecht | 0:00  |              |
| OT Kalesland 5                 | 3274CH Heinenoord  | 0:44  |              |
| OU Oranjestraat 29             | 3274AK Heinenoord  | 0:00  |              |
| oU Koedood 18                  | 2993AL Barendrecht | 0:00  |              |
| OV Prof. Teldersstraat 49      | 3274MC Heinenoord  | 3:39  |              |
| oV Van Hobokenhaven 67         | 2993HH Barendrecht | 0:00  |              |
| oW Swarttouwhaven 54           | 2993HP Barendrecht | 0:00  |              |
| OW Irenestraat 16              | 3274AE Heinenoord  | 0:00  |              |
| oX Kabbelkant 10               | 2993DC Barendrecht | 0:00  |              |
| OX De Laagjes 16               | 3274CB Heinenoord  | 0:35  |              |
| oY Smithaven 8                 | 2993EC Barendrecht | 0:00  |              |
| CY Wouter van den Walestr 52   | 3274CS Heinenoord  | 0:20  |              |
| oZ Müllerhaven 26              | 2993EA Barendrecht | 0:00  |              |
| OZ Martin Luther Kingstraat 24 | 3274CK Heinenoord  | 0:32  |              |
| P Blaaksedijk West 33          | 3274LD Heinenoord  | 0:00  |              |
| •P Achterzeedijk 1 a 42        | 2991SB Barendrecht | 2:35  |              |
| PA Wouter van den Walestr 76   | 3274CS Heinenoord  | 0:20  |              |
| pA Steekkant 163               | 2993DB Barendrecht | 0:00  |              |
| pB Steekkant 93                | 2993DB Barendrecht | 0:00  |              |
| PB Avenhil 20                  | 3274CT Heinenoord  | 1:33  |              |
| PC Martin Luther Kingstraat 10 | 3274CK Heinenoord  | 0:26  |              |
| pC Van Hobokenhaven 23         | 2993HH Barendrecht | 0:00  |              |
| PD Marijkestraat 23            | 3274AJ Heinenoord  | 0:00  |              |
| pD Swarttouwhaven 40           | 2993HP Barendrecht | 0:00  |              |
| pE Steekkant 32                | 2993DB Barendrecht | 0:00  |              |
| PE John F. Kennedystraat 91    | 3274CG Heinenoord  | 3:41  |              |
| pF Steekkant 99                | 2993DB Barendrecht | 0:00  |              |
| PF Boerengorzen 5              | 3274CV Heinenoord  | 2:36  |              |
| pG Smithaven 10                | 2993EC Barendrecht | 0:00  |              |
| PG John F. Kennedystraat 10    | 3274CG Heinenoord  | 1:23  |              |

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Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:02/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| pH  | Aalwater 1 2993DD Barendrecht                 | 0:00                                 |
| PH  | Rietwaard 2 3274MA Heinenoord                 | 2:58                                 |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 2:02                                 |
| pl  | Stekkant 161 2993DB Barendrecht               | 0:00                                 |
| pJ  | Kröllehaven 2 2993ED Barendrecht              | 0:00                                 |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 0:00                                 |
| pK  | Smithaven 21 2993EC Barendrecht               | 0:00                                 |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 3:07                                 |
| PL  | Kalesland 10 3274CH Heinenoord                | 0:35                                 |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 0:00                                 |
| PM  | Avenhil 6 3274CT Heinenoord                   | 1:10                                 |
| pM  | Stekkant 139 2993DB Barendrecht               | 0:00                                 |
| pN  | Zalmwater 139 2993DX Barendrecht              | 0:00                                 |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 2:38                                 |
| pO  | Kröllehaven 47 2993ED Barendrecht             | 0:00                                 |
| PO  | Kalesland 26 3274CH Heinenoord                | 0:42                                 |
| pP  | Stekkant 9 2993DB Barendrecht                 | 0:00                                 |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 3:07                                 |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 0:32                                 |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 0:00                                 |
| PR  | Hermannushof 10 3274CE Heinenoord             | 0:48                                 |
| pR  | Stekkant 95 2993DB Barendrecht                | 0:00                                 |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 0:00                                 |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 0:38                                 |
| pT  | Smithaven 25 2993EC Barendrecht               | 0:00                                 |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 0:00                                 |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 0:57                                 |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 0:00                                 |
| pV  | Smithaven 23 2993EC Barendrecht               | 0:00                                 |
| PV  | Irenestraat 12 3274AE Heinenoord              | 0:00                                 |
| pW  | Stekkant 28 2993DB Barendrecht                | 0:00                                 |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 1:06                                 |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 0:00                                 |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 0:28                                 |
| pY  | Stekkant 5 2993DB Barendrecht                 | 0:00                                 |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 3:05                                 |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 0:00                                 |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 0:00                                 |
| Q   | Blaakseindijk West 47 3274LD Heinenoord       | 0:00                                 |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 2:31                                 |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 0:00                                 |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 2:49                                 |
| QB  | Koomansland 12 3274CJ Heinenoord              | 0:24                                 |
| qB  | Stekkant 6 2993DB Barendrecht                 | 0:00                                 |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 0:00                                 |
| qC  | Stekkant 25 2993DB Barendrecht                | 0:00                                 |
| QD  | Avenhil 11 3274CT Heinenoord                  | 1:10                                 |
| qD  | Smithaven 51 2993EC Barendrecht               | 0:00                                 |
| QE  | De Laagjes 17 3274CB Heinenoord               | 0:38                                 |
| qE  | Müllerhaven 22 2993EA Barendrecht             | 0:00                                 |
| qF  | Stekkant 143 2993DB Barendrecht               | 0:00                                 |
| QF  | Marijkestraat 7 3274AJ Heinenoord             | 0:00                                 |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 0:00                                 |
| QG  | Avenhil 34 3274CT Heinenoord                  | 1:37                                 |
| qH  | Stekkant 7 2993DB Barendrecht                 | 0:00                                 |
| QH  | Koomansland 14 3274CJ Heinenoord              | 0:25                                 |
| QI  | Irenestraat 13 3274AD Heinenoord              | 0:00                                 |
| qI  | Stekkant 45 2993DB Barendrecht                | 0:00                                 |
| QJ  | Martin Luther Kingstraat 68 3274CL Heinenoord | 1:06                                 |
| qJ  | Koedoed 25 2993AL Barendrecht                 | 0:00                                 |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord      | 2:43                                 |
| qK  | Stekkant 47 2993DB Barendrecht                | 0:00                                 |
| QL  | Andries Woutershof 24 3274CA Heinenoord       | 0:39                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| qL  | Aalwater 10 2993DD Barendrecht               | 0:00                    |                      |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht       | 0:00                    |                      |
| QM  | De Laagjes 19 3274CB Heinenoord              | 0:38                    |                      |
| QN  | Kalesland 38 3274CH Heinenoord               | 0:46                    |                      |
| qN  | Müllerhaven 46 2993EA Barendrecht            | 0:00                    |                      |
| qO  | Müllerhaven 68 2993EA Barendrecht            | 0:00                    |                      |
| QO  | Marijkestraat 21 3274AJ Heinenoord           | 0:00                    |                      |
| qP  | Steurwater 1 2993DE Barendrecht              | 0:00                    |                      |
| QP  | De Laagjes 4 3274CB Heinenoord               | 0:27                    |                      |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord   | 0:28                    |                      |
| qQ  | Koedood 6 2993AL Barendrecht                 | 0:00                    |                      |
| qR  | Zalmwater 157 2993DX Barendrecht             | 0:00                    |                      |
| QR  | Bernhardstraat 3 3274AB Heinenoord           | 0:00                    |                      |
| qS  | Spieringwater 4 2993DM Barendrecht           | 0:00                    |                      |
| QS  | Oosteinde 37 3274KB Heinenoord               | 2:35                    |                      |
| QT  | De Laagjes 28 3274CB Heinenoord              | 0:43                    |                      |
| qT  | Spieringwater 10 2993DM Barendrecht          | 0:00                    |                      |
| QU  | Thorbeckehof 3 3274CP Heinenoord             | 1:03                    |                      |
| qU  | Spieringwater 2 2993DM Barendrecht           | 0:00                    |                      |
| qV  | Steekkant 54 2993DB Barendrecht              | 0:00                    |                      |
| QV  | De Laagjes 20 3274CB Heinenoord              | 0:38                    |                      |
| QW  | Buitenlanden 4 3274MB Heinenoord             | 4:47                    |                      |
| qW  | Swarttouwhaven 62 2993HP Barendrecht         | 0:00                    |                      |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord       | 1:48                    |                      |
| qX  | Steurwater 11 2993DE Barendrecht             | 0:00                    |                      |
| QY  | Emmastraat 2 E 3274AC Heinenoord             | 0:00                    |                      |
| qY  | Swarttouwhaven 36 2993HP Barendrecht         | 0:00                    |                      |
| qZ  | Kabbelkant 14 2993DC Barendrecht             | 0:00                    |                      |
| QZ  | Koimansland 8 3274CJ Heinenoord              | 0:25                    |                      |
| R   | Blaakseindijk West 24 3274LE Heinenoord      | 0:00                    |                      |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht      | 2:31                    |                      |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord   | 0:38                    |                      |
| rA  | Steekkant 41 2993DB Barendrecht              | 0:00                    |                      |
| rB  | Steekkant 81 2993DB Barendrecht              | 0:00                    |                      |
| RB  | Boerengorzen 3 3274CV Heinenoord             | 2:38                    |                      |
| RC  | Kalesland 70 3274CH Heinenoord               | 1:02                    |                      |
| rC  | Koedood 14 2993AL Barendrecht                | 0:00                    |                      |
| rD  | Müllerhaven 40 2993EA Barendrecht            | 0:00                    |                      |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord       | 2:21                    |                      |
| rE  | Aalwater 11 2993DD Barendrecht               | 0:00                    |                      |
| RE  | Avenhil 28 3274CT Heinenoord                 | 2:03                    |                      |
| rF  | Smithaven 37 2993EC Barendrecht              | 0:00                    |                      |
| RF  | Oosteinde 22 3274KC Heinenoord               | 2:44                    |                      |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht       | 0:00                    |                      |
| RG  | Andries Woutershof 16 3274CA Heinenoord      | 0:38                    |                      |
| rH  | Aalwater 15 2993DD Barendrecht               | 0:00                    |                      |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord     | 3:39                    |                      |
| rI  | Steekkant 85 2993DB Barendrecht              | 0:00                    |                      |
| RI  | Emmastraat 34 3274AC Heinenoord              | 0:00                    |                      |
| rJ  | Zalmwater 141 2993DX Barendrecht             | 0:00                    |                      |
| RJ  | Oranjestraat 23 3274AK Heinenoord            | 0:00                    |                      |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord   | 3:34                    |                      |
| rK  | Smithaven 12 2993EC Barendrecht              | 0:00                    |                      |
| rL  | Steekkant 44 2993DB Barendrecht              | 0:00                    |                      |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord | 0:26                    |                      |
| RM  | Oranjestraat 17 3274AK Heinenoord            | 0:00                    |                      |
| rM  | Steekkant 4 2993DB Barendrecht               | 0:00                    |                      |
| RN  | Buitenlanden 13 3274MB Heinenoord            | 4:02                    |                      |
| rN  | Van Hobokenhaven 37 2993HH Barendrecht       | 0:00                    |                      |
| RO  | Bernhardstraat 2 3274AB Heinenoord           | 0:00                    |                      |
| rO  | Van Hobokenhaven 19 2993HH Barendrecht       | 0:00                    |                      |
| RP  | Buitenlanden 17 3274MB Heinenoord            | 4:02                    |                      |
| rP  | Calandhaven 1 2993HL Barendrecht             | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| rQ  | Koedood 22 2993AL Barendrecht                 | 0:00                                 |
| RQ  | Marijkestraat 1 C 3274AJ Heinenoord           | 0:00                                 |
| RR  | Irenestraat 40 3274AE Heinenoord              | 0:00                                 |
| rR  | Aalwater 2 2993DD Barendrecht                 | 0:00                                 |
| rS  | Steekant 103 2993DB Barendrecht               | 0:00                                 |
| RS  | Bernhardstraat 16 3274AB Heinenoord           | 0:00                                 |
| RT  | Buitenlanden 12 3274MB Heinenoord             | 4:33                                 |
| rT  | Aalwater 5 2993DD Barendrecht                 | 0:00                                 |
| rU  | Kröllerhaven 31 2993ED Barendrecht            | 0:00                                 |
| RU  | Wouter van den Walestr 26 3274CR Heinenoord   | 0:00                                 |
| rV  | Smithaven 53 2993EC Barendrecht               | 0:00                                 |
| RV  | Boerengorzen 9 3274CV Heinenoord              | 2:36                                 |
| rW  | Müllerhaven 30 2993EA Barendrecht             | 0:00                                 |
| RW  | Emmastraat 3 3274AC Heinenoord                | 0:00                                 |
| rX  | Swarttouwhaven 58 2993HP Barendrecht          | 0:00                                 |
| RX  | De Laagjes 2 3274CB Heinenoord                | 0:27                                 |
| rY  | Vederhaven 15 2993EB Barendrecht              | 0:00                                 |
| RY  | Koimansland 28 3274CJ Heinenoord              | 0:26                                 |
| rZ  | Smithaven 57 2993EC Barendrecht               | 0:00                                 |
| RZ  | Prof. Teldersstraat 31 3274MC Heinenoord      | 3:15                                 |
| S   | Reedijk 3 A 3274KE Heinenoord                 | 0:00                                 |
| •S  | Achterzeedijk 1 a 45 2991SB Barendrecht       | 2:50                                 |
| sA  | Swarttouwhaven 26 2993HP Barendrecht          | 0:00                                 |
| SA  | Wouter van den Walestr 18 3274CR Heinenoord   | 0:00                                 |
| SB  | Oranjestraat 15 3274AK Heinenoord             | 0:00                                 |
| sB  | Smithaven 29 2993EC Barendrecht               | 0:00                                 |
| SC  | Heyne van Althenastraat 26 3274CD Heinenoord  | 0:35                                 |
| sC  | Steekant 145 2993DB Barendrecht               | 0:00                                 |
| SD  | Martin Luther Kingstraat 48 3274CL Heinenoord | 0:47                                 |
| sD  | Aalwater 3 2993DD Barendrecht                 | 0:00                                 |
| SE  | Willem de Zwijgerstraat 8 3274AL Heinenoord   | 0:00                                 |
| sE  | Zalmwater 153 2993DX Barendrecht              | 0:00                                 |
| SF  | John F. Kennedystraat 36 3274CG Heinenoord    | 2:52                                 |
| sF  | Vederhaven 17 2993EB Barendrecht              | 0:00                                 |
| SG  | Wouter van den Walestr 44 3274CS Heinenoord   | 0:20                                 |
| sG  | Swarttouwhaven 34 2993HP Barendrecht          | 0:00                                 |
| SH  | Wiardi Beckmanhof 12 3274CX Heinenoord        | 1:21                                 |
| sH  | Müllerhaven 76 2993EA Barendrecht             | 0:00                                 |
| SI  | Margrietstraat 14 3274AH Heinenoord           | 0:00                                 |
| sI  | Meeshaven 14 2993HN Barendrecht               | 0:00                                 |
| sJ  | Smithaven 20 2993EC Barendrecht               | 0:00                                 |
| SJ  | Prof. Teldersstraat 43 3274MC Heinenoord      | 3:38                                 |
| SK  | De Laagjes 18 3274CB Heinenoord               | 0:37                                 |
| sK  | Steekant 123 2993DB Barendrecht               | 0:00                                 |
| SL  | Wouter van den Walestr 56 3274CS Heinenoord   | 0:20                                 |
| sL  | Steekant 59 2993DB Barendrecht                | 0:00                                 |
| sM  | Steekant 39 2993DB Barendrecht                | 0:00                                 |
| SM  | Zomerlandseweg 2 3274LX Heinenoord            | 1:28                                 |
| sN  | Müllerhaven 66 2993EA Barendrecht             | 0:00                                 |
| SN  | Spuivelden 21 3274CM Heinenoord               | 0:56                                 |
| sO  | Steurwater 7 2993DE Barendrecht               | 0:00                                 |
| SO  | Koimansland 36 3274CJ Heinenoord              | 0:30                                 |
| SP  | John F. Kennedystraat 7 3274CG Heinenoord     | 0:24                                 |
| sP  | Steekant 155 2993DB Barendrecht               | 0:00                                 |
| sQ  | Meeshaven 8 2993HN Barendrecht                | 0:00                                 |
| SO  | Hermannushof 24 3274CE Heinenoord             | 1:00                                 |
| sR  | Steekant 27 2993DB Barendrecht                | 0:00                                 |
| SR  | Koimansland 11 3274CJ Heinenoord              | 0:33                                 |
| sS  | Aalwater 17 2993DD Barendrecht                | 0:00                                 |
| SS  | Hermannushof 26 3274CE Heinenoord             | 1:01                                 |
| sT  | Steekant 119 2993DB Barendrecht               | 0:00                                 |
| ST  | Oosteinde 28 3274KC Heinenoord                | 1:57                                 |
| SU  | Irenestraat 21 3274AD Heinenoord              | 0:00                                 |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| sU  | Kröllehaven 4 2993ED Barendrecht            | 0:00                                 |
| sV  | Ruyschen 9 2993HM Barendrecht               | 0:00                                 |
| SV  | Bernhardstraat 12 3274AB Heinenoord         | 0:00                                 |
| SW  | Spuivelden 2 3274CM Heinenoord              | 0:52                                 |
| sW  | Splieringwater 6 2993DM Barendrecht         | 0:00                                 |
| SX  | Emmastraat 26 3274AC Heinenoord             | 0:00                                 |
| SX  | Swarttouwhaven 28 2993HP Barendrecht        | 0:00                                 |
| SY  | Rietwaard 1 3274MA Heinenoord               | 3:23                                 |
| sY  | Ruyschen 11 2993HM Barendrecht              | 0:00                                 |
| sZ  | Swarttouwhaven 66 2993HP Barendrecht        | 0:00                                 |
| SZ  | John F. Kennedystraat 26 3274CG Heinenoord  | 2:34                                 |
| T   | Blaaksedijk West 43 3274LD Heinenoord       | 0:00                                 |
| •T  | Achterzeedijk 1 a 46 2991SB Barendrecht     | 2:55                                 |
| tA  | Van Hobokenhaven 65 2993HH Barendrecht      | 0:00                                 |
| TA  | Prof. Teldersstraat 15 3274CZ Heinenoord    | 2:42                                 |
| TB  | Wouter van den Walestr 12 3274CR Heinenoord | 0:00                                 |
| tB  | Smithaven 31 2993EC Barendrecht             | 0:00                                 |
| tC  | Stekkant 137 2993DB Barendrecht             | 0:00                                 |
| TC  | Avenhil 24 3274CT Heinenoord                | 1:51                                 |
| tD  | Stekkant 105 2993DB Barendrecht             | 0:00                                 |
| TD  | Prof. Teldersstraat 21 3274CZ Heinenoord    | 3:00                                 |
| TE  | De Laagjes 5 3274CB Heinenoord              | 0:31                                 |
| tE  | Zalmwater 133 2993DX Barendrecht            | 0:00                                 |
| TF  | John F. Kennedystraat 57 3274CG Heinenoord  | 1:01                                 |
| tF  | Kröllehaven 43 2993ED Barendrecht           | 0:00                                 |
| tG  | Van Hobokenhaven 15 2993HH Barendrecht      | 0:00                                 |
| TG  | Rietwaard 14 3274MA Heinenoord              | 3:00                                 |
| tH  | Stekkant 11 2993DB Barendrecht              | 0:00                                 |
| TH  | Koimansland 10 3274CJ Heinenoord            | 0:24                                 |
| TI  | Abraham Kuyperhof 7 3274CW Heinenoord       | 2:00                                 |
| tI  | Stekkant 67 2993DB Barendrecht              | 0:00                                 |
| tJ  | Stekkant 52 2993DB Barendrecht              | 0:00                                 |
| TJ  | Kalesland 4 3274CH Heinenoord               | 0:36                                 |
| tK  | Müllerhaven 82 2993EA Barendrecht           | 0:00                                 |
| TK  | Oranjestraat 20 3274AK Heinenoord           | 0:00                                 |
| tL  | Müllerhaven 34 2993EA Barendrecht           | 0:00                                 |
| TL  | Dreeshof 2 3274CC Heinenoord                | 0:54                                 |
| TM  | Hermannushof 16 3274CE Heinenoord           | 0:53                                 |
| tM  | Stekkant 31 2993DB Barendrecht              | 0:00                                 |
| TN  | Wiardi Beckmanhof 14 3274CX Heinenoord      | 1:49                                 |
| tN  | Vederhaven 1 2993EB Barendrecht             | 0:00                                 |
| TO  | Wiardi Beckmanhof 2 3274CX Heinenoord       | 1:17                                 |
| tO  | Müllerhaven 50 2993EA Barendrecht           | 0:00                                 |
| tP  | Koedoed 4 2993AL Barendrecht                | 0:00                                 |
| TP  | Beatrixstraat 17 3274AA Heinenoord          | 0:00                                 |
| tQ  | Smithaven 49 2993EC Barendrecht             | 0:00                                 |
| TQ  | John F. Kennedystraat 37 3274CG Heinenoord  | 0:40                                 |
| tR  | Koedoed 2 a 2993AL Barendrecht              | 0:00                                 |
| TR  | Oranjestraat 11 A 3274AK Heinenoord         | 0:00                                 |
| TS  | Spuivelden 5 3274CM Heinenoord              | 0:44                                 |
| tS  | Kröllehaven 6 2993ED Barendrecht            | 0:00                                 |
| TT  | Prof. Teldersstraat 4 3274MC Heinenoord     | 3:09                                 |
| tT  | Smithaven 22 2993EC Barendrecht             | 0:00                                 |
| TU  | Dorpsstraat 32 3274BD Heinenoord            | 0:00                                 |
| tU  | Stekkant 121 2993DB Barendrecht             | 0:00                                 |
| tV  | Stekkant 135 2993DB Barendrecht             | 0:00                                 |
| TV  | Prof. Teldersstraat 12 3274MC Heinenoord    | 3:07                                 |
| tW  | Marijkestraat 5 3274AJ Heinenoord           | 0:00                                 |
| tW  | Stekkant 113 2993DB Barendrecht             | 0:00                                 |
| TX  | Smithaven 55 2993EC Barendrecht             | 0:00                                 |
| TX  | Kalesland 9 3274CH Heinenoord               | 0:44                                 |
| TY  | Boerengorzen 11 3274CV Heinenoord           | 2:36                                 |
| tY  | Stekkant 56 2993DB Barendrecht              | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
|     | TZ Irenestraat 18 3274AE Heinenoord           | 0:00                                 |
|     | tZ Smithaven 45 2993EC Barendrecht            | 0:00                                 |
|     | U Blaaksedijk West 29 3274LD Heinenoord       | 0:00                                 |
| •   | U Achterzeedijk 1 a 47 2991SB Barendrecht     | 3:03                                 |
| uA  | Müllerhaven 16 2993EA Barendrecht             | 0:00                                 |
| UA  | Wouter van den Walestr 64 3274CS Heinenoord   | 0:20                                 |
| UB  | Avenhil 35 3274CT Heinenoord                  | 2:02                                 |
| uB  | Swarttouwhaven 68 2993HP Barendrecht          | 0:00                                 |
| UC  | Beatrixstraat 29 3274AA Heinenoord            | 0:00                                 |
| uC  | Stekkant 30 2993DB Barendrecht                | 0:00                                 |
| uD  | Stekkant 38 2993DB Barendrecht                | 0:00                                 |
| UD  | Wiardi Beckmanhof 3 3274CX Heinenoord         | 1:18                                 |
| UE  | Martin Luther Kingstraat 2 3274CK Heinenoord  | 0:23                                 |
| uE  | Meeshaven 3 2993HN Barendrecht                | 0:00                                 |
| UF  | Rietwaard 7 3274MA Heinenoord                 | 3:28                                 |
| uF  | Van Hobokenhaven 51 2993HH Barendrecht        | 0:00                                 |
| uG  | Stekkant 42 2993DB Barendrecht                | 0:00                                 |
| UG  | Dorpsstraat 9 3274BB Heinenoord               | 0:00                                 |
| UH  | Oranjestraat 13 3274AK Heinenoord             | 0:00                                 |
| uH  | Meeshaven 1 2993HN Barendrecht                | 0:00                                 |
| uI  | Stekkant 69 2993DB Barendrecht                | 0:00                                 |
| UI  | Avenhil 4 3274CT Heinenoord                   | 1:17                                 |
| UJ  | De Laagjes 15 3274CB Heinenoord               | 0:39                                 |
| uJ  | Aalwater 22 2993DD Barendrecht                | 0:00                                 |
| UK  | Bernhardstraat 8 3274AB Heinenoord            | 0:00                                 |
| uK  | Stekkant 29 2993DB Barendrecht                | 0:00                                 |
| uL  | Steurwater 9 2993DE Barendrecht               | 0:00                                 |
| UL  | Margrietstraat 13 3274AH Heinenoord           | 0:00                                 |
| uM  | Smithaven 47 2993EC Barendrecht               | 0:00                                 |
| UM  | Irenestraat 15 3274AD Heinenoord              | 0:00                                 |
| uN  | Meeshaven 12 2993HN Barendrecht               | 0:00                                 |
| UN  | Rietwaard 26 3274MA Heinenoord                | 5:31                                 |
| uO  | Meeshaven 15 2993HN Barendrecht               | 0:00                                 |
| UO  | Avenhil 42 3274CT Heinenoord                  | 1:34                                 |
| uP  | Stekkant 117 2993DB Barendrecht               | 0:00                                 |
| UP  | Dreeshof 10 3274CC Heinenoord                 | 0:55                                 |
| uQ  | Stekkant 36 2993DB Barendrecht                | 0:00                                 |
| UQ  | Oosteinde 20 3274KC Heinenoord                | 3:21                                 |
| uR  | Calandhaven 7 2993HL Barendrecht              | 0:00                                 |
| UR  | John F. Kennedystraat 69 3274CG Heinenoord    | 2:16                                 |
| US  | De Laagjes 30 3274CB Heinenoord               | 0:44                                 |
| uS  | Calandhaven 5 2993HL Barendrecht              | 0:00                                 |
| UT  | Martin Luther Kingstraat 8 3274CK Heinenoord  | 0:23                                 |
| uT  | Van Hobokenhaven 55 2993HH Barendrecht        | 0:00                                 |
| UU  | Wiardi Beckmanhof 16 3274CX Heinenoord        | 1:50                                 |
| uU  | Kröllerhaven 25 2993ED Barendrecht            | 0:00                                 |
| uV  | Kröllerhaven 8 2993ED Barendrecht             | 0:00                                 |
| UV  | Thorbeckehof 9 3274CP Heinenoord              | 1:03                                 |
| uW  | Van Hobokenhaven 31 2993HH Barendrecht        | 0:00                                 |
| UW  | Emmastraat 24 3274AC Heinenoord               | 0:00                                 |
| UX  | John F. Kennedystraat 71 3274CG Heinenoord    | 2:20                                 |
| uX  | Stekkant 125 2993DB Barendrecht               | 0:00                                 |
| UY  | Avenhil 7 3274CT Heinenoord                   | 1:10                                 |
| uY  | Stekkant 157 2993DB Barendrecht               | 0:00                                 |
| UZ  | Irenestraat 34 3274AE Heinenoord              | 0:00                                 |
| uZ  | Stekkant 43 2993DB Barendrecht                | 0:00                                 |
| V   | Blaaksedijk West 25 3274LD Heinenoord         | 0:00                                 |
| •V  | Achterzeedijk 1 a 48 2991SB Barendrecht       | 3:08                                 |
| vA  | Swarttouwhaven 22 2993HP Barendrecht          | 0:00                                 |
| VA  | Martin Luther Kingstraat 12 3274CK Heinenoord | 0:27                                 |
| vB  | Aalwater 6 2993DD Barendrecht                 | 0:00                                 |
| VB  | Buitenlanden 2 3274MB Heinenoord              | 5:01                                 |
| vC  | Stekkant 49 2993DB Barendrecht                | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
|     | VC Abraham Kuyperhof 1 3274CW Heinenoord         | 2:01                                 |
|     | vD Steekkant 141 2993DB Barendrecht              | 0:00                                 |
|     | VD Kalesland 76 3274CH Heinenoord                | 0:59                                 |
|     | vE Meeshaven 6 2993HN Barendrecht                | 0:00                                 |
|     | VE Dreeshof 6 3274CC Heinenoord                  | 0:55                                 |
|     | VF John F. Kennedystraat 73 3274CG Heinenoord    | 2:24                                 |
|     | vF Meeshaven 10 2993HN Barendrecht               | 0:00                                 |
|     | VG Dreeshof 7 3274CC Heinenoord                  | 0:44                                 |
|     | vG Meeshaven 16 2993HN Barendrecht               | 0:00                                 |
|     | vH Müllerhaven 78 2993EA Barendrecht             | 0:00                                 |
|     | VH Dorpsstraat 3 3274BB Heinenoord               | 0:00                                 |
|     | vI Steekkant 3 2993DB Barendrecht                | 0:00                                 |
|     | VI Beatrixstraat 46 3274AA Heinenoord            | 0:00                                 |
|     | VJ Oranjestraat 24 3274AK Heinenoord             | 0:00                                 |
|     | vJ Steekkant 8 2993DB Barendrecht                | 0:00                                 |
|     | vK Steekkant 65 2993DB Barendrecht               | 0:00                                 |
|     | VK Avenhil 21 3274CT Heinenoord                  | 1:54                                 |
|     | vL Müllerhaven 20 2993EA Barendrecht             | 0:00                                 |
|     | VL Irenestraat 42 3274AE Heinenoord              | 0:00                                 |
|     | vM Kröllerhaven 17 2993ED Barendrecht            | 0:00                                 |
|     | VM Irenestraat 5 3274AD Heinenoord               | 0:00                                 |
|     | vN Steurwater 3 2993DE Barendrecht               | 0:00                                 |
|     | VN Prof. Teldersstraat 53 3274MC Heinenoord      | 3:38                                 |
|     | vO Steekkant 97 2993DB Barendrecht               | 0:00                                 |
|     | VO Wouter van den Walestr 38 3274CS Heinenoord   | 0:00                                 |
|     | VP Martin Luther Kingstraat 22 3274CK Heinenoord | 0:31                                 |
|     | vP Vederhaven 9 2993EB Barendrecht               | 0:00                                 |
|     | vQ Müllerhaven 2 2993EA Barendrecht              | 0:00                                 |
|     | VQ Avenhil 33 3274CT Heinenoord                  | 2:08                                 |
|     | vR Vederhaven 19 2993EB Barendrecht              | 0:00                                 |
|     | VR Oosteinde 4 3274KC Heinenoord                 | 3:53                                 |
|     | VS Buitenlanden 3 3274MB Heinenoord              | 4:08                                 |
|     | vS Smithaven 41 2993EC Barendrecht               | 0:00                                 |
|     | VT Martin Luther Kingstraat 64 3274CL Heinenoord | 1:01                                 |
|     | vT Van Hobokenhaven 29 2993HH Barendrecht        | 0:00                                 |
|     | VU Buitenlanden 15 3274MB Heinenoord             | 4:01                                 |
|     | vU Zalmwater 147 2993DX Barendrecht              | 0:00                                 |
|     | vV Swarttouwhaven 64 2993HP Barendrecht          | 0:00                                 |
|     | VV Rietwaard 8 3274MA Heinenoord                 | 3:03                                 |
|     | VW Martin Luther Kingstraat 42 3274CL Heinenoord | 0:44                                 |
|     | vW Aalwater 12 2993DD Barendrecht                | 0:00                                 |
|     | vX Kröllerhaven 55 2993ED Barendrecht            | 0:00                                 |
|     | VX De Laagjes 10 3274CB Heinenoord               | 0:31                                 |
|     | vY Meeshaven 13 2993HN Barendrecht               | 0:00                                 |
|     | YY Martin Luther Kingstraat 16 3274CK Heinenoord | 0:28                                 |
|     | vZ Meeshaven 11 2993HN Barendrecht               | 0:00                                 |
|     | VZ Wouter van den Walestr 78 3274CS Heinenoord   | 0:20                                 |
|     | W Blaaksedijk West 30 3274LE Heinenoord          | 0:00                                 |
| •W  | Achterzeedijk 1 a 49 2991SB Barendrecht          | 3:06                                 |
| WA  | Marijkestraat 12 3274AJ Heinenoord               | 0:19                                 |
| wA  | Koedood 20 2993AL Barendrecht                    | 0:00                                 |
| WB  | Wouter van den Walestr 16 3274CR Heinenoord      | 0:00                                 |
| wB  | Zalmwater 145 2993DX Barendrecht                 | 0:00                                 |
| WC  | Talmahof 10 3274CN Heinenoord                    | 0:38                                 |
| wC  | Zalmwater 149 2993DX Barendrecht                 | 0:00                                 |
| WD  | Beatrixstraat 27 3274AA Heinenoord               | 0:00                                 |
| wD  | Kröllerhaven 49 2993ED Barendrecht               | 0:00                                 |
| wE  | Zalmwater 135 2993DX Barendrecht                 | 0:00                                 |
| WE  | Oosteinde 18 3274KC Heinenoord                   | 3:44                                 |
| WF  | Spuivelden 11 3274CM Heinenoord                  | 0:45                                 |
| wF  | Steekkant 26 2993DB Barendrecht                  | 0:00                                 |
| WG  | Avenhil 17 3274CT Heinenoord                     | 1:18                                 |
| wG  | Steekkant 46 2993DB Barendrecht                  | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No.                            | Name               | Shadow, expected values              |
|--------------------------------|--------------------|--------------------------------------|
|                                |                    | Shadow hours<br>per year<br>[h/year] |
| WH Oosteinde 33                | 3274KB Heinenoord  | 2:46                                 |
| wH Koedood 23                  | 2993AL Barendrecht | 0:00                                 |
| WI Avenhil 39                  | 3274CT Heinenoord  | 2:14                                 |
| wI Meeshaven 17                | 2993HN Barendrecht | 0:00                                 |
| wJ Swarttouwhaven 2            | 2993HP Barendrecht | 0:00                                 |
| WJ Dorpsstraat 26              | 3274BD Heinenoord  | 0:00                                 |
| wK Steekkant 165               | 2993DB Barendrecht | 0:00                                 |
| WK Prof. Teldersstraat 25      | 3274CZ Heinenoord  | 2:59                                 |
| wL Meeshaven 4                 | 2993HN Barendrecht | 0:00                                 |
| WL Koomansland 24              | 3274CJ Heinenoord  | 0:25                                 |
| wM Meeshaven 9                 | 2993HN Barendrecht | 0:00                                 |
| WM De Laagjes 1                | 3274CB Heinenoord  | 0:29                                 |
| WN Hermannushof 8              | 3274CE Heinenoord  | 0:47                                 |
| wN Vederhaven 5                | 2993EB Barendrecht | 0:00                                 |
| wO Koedood 27                  | 2993AL Barendrecht | 0:00                                 |
| WO Bernhardstraat 7            | 3274AB Heinenoord  | 0:00                                 |
| wP Swarttouwhaven 4            | 2993HP Barendrecht | 0:00                                 |
| WP Andries Woutershof 4        | 3274CA Heinenoord  | 0:29                                 |
| WQ Bernhardstraat 18           | 3274AB Heinenoord  | 0:00                                 |
| wQ Swarttouwhaven 6            | 2993HP Barendrecht | 0:00                                 |
| wR Kröllerhaven 10             | 2993ED Barendrecht | 0:00                                 |
| WR Spuivelden 19               | 3274CM Heinenoord  | 0:57                                 |
| wS Smithaven 24                | 2993EC Barendrecht | 0:00                                 |
| WS Kalesland 40                | 3274CH Heinenoord  | 0:48                                 |
| WT Irenestraat 24              | 3274AE Heinenoord  | 0:00                                 |
| wT Kröllerhaven 45             | 2993ED Barendrecht | 0:00                                 |
| WU Kalesland 30                | 3274CH Heinenoord  | 0:44                                 |
| wU Smithaven 16                | 2993EC Barendrecht | 0:00                                 |
| WV Kalesland 42                | 3274CH Heinenoord  | 0:49                                 |
| wV Steekkant 151               | 2993DB Barendrecht | 0:00                                 |
| WW De Laagjes 36               | 3274CB Heinenoord  | 0:48                                 |
| wW Kröllerhaven 35             | 2993ED Barendrecht | 0:00                                 |
| WX Martin Luther Kingstraat 28 | 3274CK Heinenoord  | 0:35                                 |
| wX Steekkant 58                | 2993DB Barendrecht | 0:00                                 |
| WY Prof. Teldersstraat 45      | 3274MC Heinenoord  | 3:37                                 |
| wY Ruyshaven 1                 | 2993HM Barendrecht | 0:00                                 |
| wZ Zalmwater 137               | 2993DX Barendrecht | 0:00                                 |
| WZ Oranjestraat 28             | 3274AK Heinenoord  | 0:00                                 |
| X Reedijk 4                    | 3274KE Heinenoord  | 0:00                                 |
| •X Achterzeedijk 1 a 50        | 2991SB Barendrecht | 3:12                                 |
| XA John F. Kennedystraat 75    | 3274CG Heinenoord  | 2:25                                 |
| xA Müllerhaven 38              | 2993EA Barendrecht | 0:00                                 |
| xB Steekkant 18                | 2993DB Barendrecht | 0:00                                 |
| XB Thorbeckehof 7              | 3274CP Heinenoord  | 1:03                                 |
| xC Steekkant 21                | 2993DB Barendrecht | 0:00                                 |
| XC Abraham Kuyperhof 13        | 3274CW Heinenoord  | 2:22                                 |
| xD Vederhaven 13               | 2993EB Barendrecht | 0:00                                 |
| XD John F. Kennedystraat 51    | 3274CG Heinenoord  | 0:55                                 |
| xE Van Hobokenhaven 17         | 2993HH Barendrecht | 0:00                                 |
| XE John F. Kennedystraat 17    | 3274CG Heinenoord  | 0:27                                 |
| xF Kabbelkant 12               | 2993DC Barendrecht | 0:00                                 |
| XF Oranjestraat 21             | 3274AK Heinenoord  | 0:00                                 |
| xG Müllerhaven 14              | 2993EA Barendrecht | 0:00                                 |
| XG Avenhil 38                  | 3274CT Heinenoord  | 2:10                                 |
| xH Steekkant 71                | 2993DB Barendrecht | 0:00                                 |
| XH De Laagjes 14               | 3274CB Heinenoord  | 0:34                                 |
| XI Emmastraat 9                | 3274AC Heinenoord  | 0:00                                 |
| xi Swarttouwhaven 50           | 2993HP Barendrecht | 0:00                                 |
| XJ Abraham Kuyperhof 4         | 3274CW Heinenoord  | 2:02                                 |
| xJ Koedood 29                  | 3161GE Rhoon       | 0:00                                 |
| xK Koedood 29                  | 3161GE Rhoon       | 0:00                                 |
| KK Boerengorzen 6              | 3274CV Heinenoord  | 2:19                                 |
| XL Kalesland 17                | 3274CH Heinenoord  | 0:51                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| xL  | Weerkant 60 2993DA Barendrecht                | 0:00                                 |
| xM  | Spieringwater 1 2993DM Barendrecht            | 0:00                                 |
| XM  | Julianalaan 36 3274AG Heinenoord              | 0:00                                 |
| xN  | Weerkant 134 2993DA Barendrecht               | 0:00                                 |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 0:00                                 |
| xO  | Harderwater 78 2993DW Barendrecht             | 0:00                                 |
| XO  | Talmahof 3 3274CN Heinenoord                  | 0:29                                 |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 0:26                                 |
| xP  | Harderwater 76 2993DW Barendrecht             | 0:00                                 |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 0:51                                 |
| xQ  | Weerkant 17 2993DA Barendrecht                | 0:00                                 |
| xR  | Kuilkant 167 2993DV Barendrecht               | 0:00                                 |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 0:00                                 |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 0:00                                 |
| xS  | Weerkant 38 2993DA Barendrecht                | 0:00                                 |
| xT  | Weerkant 14 2993DA Barendrecht                | 0:00                                 |
| XT  | Hermannushof 20 3274CE Heinenoord             | 1:02                                 |
| xU  | Weerkant 132 2993DA Barendrecht               | 0:00                                 |
| XU  | Kalesland 50 3274CH Heinenoord                | 0:53                                 |
| xV  | Weerkant 19 2993DA Barendrecht                | 0:00                                 |
| XV  | Buitenlanden 6 3274MB Heinenoord              | 4:39                                 |
| XW  | Avenhil 1 3274CT Heinenoord                   | 1:20                                 |
| xW  | Harderwater 80 2993DW Barendrecht             | 0:00                                 |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 0:00                                 |
| xX  | Weerkant 12 2993DA Barendrecht                | 0:00                                 |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 2:20                                 |
| xy  | Zalmwater 115 2993DX Barendrecht              | 0:00                                 |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 1:36                                 |
| xZ  | Weerkant 112 2993DA Barendrecht               | 0:00                                 |
| Y   | Blaakseindijk West 35 3274LD Heinenoord       | 0:00                                 |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 3:19                                 |
| yA  | Weerkant 76 2993DA Barendrecht                | 0:00                                 |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 0:00                                 |
| yB  | Weerkant 100 2993DA Barendrecht               | 0:00                                 |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 0:00                                 |
| YC  | De Laagjes 6 3274CB Heinenoord                | 0:29                                 |
| yc  | Weerkant 92 2993DA Barendrecht                | 0:00                                 |
| YD  | Rietwaard 16 3274MA Heinenoord                | 2:56                                 |
| yd  | Weerkant 6 2993DA Barendrecht                 | 0:00                                 |
| YE  | De Laagjes 3 3274CB Heinenoord                | 0:30                                 |
| ye  | Weerkant 46 2993DA Barendrecht                | 0:00                                 |
| yF  | Weerkant 18 2993DA Barendrecht                | 0:00                                 |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 2:24                                 |
| yG  | Weerkant 64 2993DA Barendrecht                | 0:00                                 |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 0:00                                 |
| yH  | Weerkant 118 2993DA Barendrecht               | 0:00                                 |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 0:00                                 |
| yl  | Harderwater 49 2993DW Barendrecht             | 0:00                                 |
| YI  | Avenhil 8 3274CT Heinenoord                   | 1:11                                 |
| yJ  | Weerkant 94 2993DA Barendrecht                | 0:00                                 |
| YJ  | Kalesland 66 3274CH Heinenoord                | 1:02                                 |
| yK  | Weerkant 1 2993DA Barendrecht                 | 0:00                                 |
| YK  | Kalesland 2 3274CH Heinenoord                 | 0:35                                 |
| yl  | Zalmwater 125 2993DX Barendrecht              | 0:00                                 |
| YL  | Koommansland 3 3274CJ Heinenoord              | 0:31                                 |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 0:55                                 |
| ym  | Weerkant 114 2993DA Barendrecht               | 0:00                                 |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 4:02                                 |
| yo  | Weerkant 138 2993DA Barendrecht               | 0:00                                 |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 0:00                                 |
| YP  | Kalesland 60 3274CH Heinenoord                | 1:00                                 |
| yp  | Weerkant 48 2993DA Barendrecht                | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:02/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 0:00                                 |
| YQ  | Julianastraat 44 3274AG Heinenoord            | 0:00                                 |
| yR  | Weerkant 24 2993DA Barendrecht                | 0:00                                 |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 1:54                                 |
| YS  | Rietwaard 19 3274MA Heinenoord                | 4:17                                 |
| yS  | Spieringwater 13 2993DM Barendrecht           | 0:00                                 |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 0:00                                 |
| yT  | Weerkant 62 2993DA Barendrecht                | 0:00                                 |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 0:00                                 |
| yU  | Weerkant 146 2993DA Barendrecht               | 0:00                                 |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 2:02                                 |
| yV  | Weerkant 82 2993DA Barendrecht                | 0:00                                 |
| yW  | Spieringwater 9 2993DM Barendrecht            | 0:00                                 |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 0:48                                 |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 0:00                                 |
| yX  | Weerkant 136 2993DA Barendrecht               | 0:00                                 |
| yY  | Weerkant 158 2993DA Barendrecht               | 0:00                                 |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 0:32                                 |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 1:04                                 |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 0:00                                 |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 0:00                                 |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 3:23                                 |
| zA  | Weerkant 86 2993DA Barendrecht                | 0:00                                 |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 0:26                                 |
| zB  | Weerkant 32 2993DA Barendrecht                | 0:00                                 |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 0:00                                 |
| zC  | Spieringwater 5 2993DM Barendrecht            | 0:00                                 |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 2:59                                 |
| zD  | Kalesland 34 3274CH Heinenoord                | 0:46                                 |
| zD  | Weerkant 126 2993DA Barendrecht               | 0:00                                 |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 1:19                                 |
| zE  | Weerkant 30 2993DA Barendrecht                | 0:00                                 |
| zF  | Weerkant 104 2993DA Barendrecht               | 0:00                                 |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 3:24                                 |
| zG  | Weerkant 70 2993DA Barendrecht                | 0:00                                 |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 1:59                                 |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 1:18                                 |
| zH  | Weerkant 10 2993DA Barendrecht                | 0:00                                 |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 1:20                                 |
| zI  | Weerkant 33 2993DA Barendrecht                | 0:00                                 |
| zJ  | Weerkant 26 2993DA Barendrecht                | 0:00                                 |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 0:00                                 |
| zK  | Weerkant 130 2993DA Barendrecht               | 0:00                                 |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 0:00                                 |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 0:20                                 |
| zL  | Weerkant 4 2993DA Barendrecht                 | 0:00                                 |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 1:26                                 |
| zM  | Weerkant 68 2993DA Barendrecht                | 0:00                                 |
| zN  | Weerkant 96 2993DA Barendrecht                | 0:00                                 |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 0:38                                 |
| zO  | Weerkant 34 2993DA Barendrecht                | 0:00                                 |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 0:00                                 |
| zP  | Weerkant 31 2993DA Barendrecht                | 0:00                                 |
| ZP  | Koimansland 7 3274CJ Heinenoord               | 0:31                                 |
| zQ  | Weerkant 148 2993DA Barendrecht               | 0:00                                 |
| ZQ  | Talmahof 5 3274CN Heinenoord                  | 0:29                                 |
| ZR  | Irenestraat 14 3274AE Heinenoord              | 0:00                                 |
| zR  | Weerkant 144 2993DA Barendrecht               | 0:00                                 |
| zS  | Weerkant 116 2993DA Barendrecht               | 0:00                                 |
| ZS  | Oosteinde 26 3274KC Heinenoord                | 2:10                                 |
| ZT  | John F. Kennedystraat 25 3274CG Heinenoord    | 0:31                                 |
| zT  | Spieringwater 11 2993DM Barendrecht           | 0:00                                 |
| zU  | Weerkant 140 2993DA Barendrecht               | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

Opstelling 2c

Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:02/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas Opstelling 3

...continued from previous page

| No. | Name  | Shadow, expected values  |          |
|-----|---|--------------------------|----------|
|     |   | Shadow hours<br>per year | [h/year] |
| ZU  | Wouter van den Walestr 58 3274CS Heinenoord | 0:00                     |          |
| zV  | Weerkant 42 2993DA Barendrecht              | 0:00                     |          |
| ZV  | Margrietstraat 16 3274AH Heinenoord         | 0:00                     |          |
| ZW  | Bernhardstraat 1 A 3274AB Heinenoord        | 0:00                     |          |
| zW  | Weerkant 122 2993DA Barendrecht             | 0:00                     |          |
| zX  | Weerkant 168 2993DA Barendrecht             | 0:00                     |          |
| ZX  | De Laagjes 13 3274CB Heinenoord             | 0:38                     |          |
| ZY  | Marijkestraat 3 3274AJ Heinenoord           | 0:00                     |          |
| zY  | Weerkant 80 2993DA Barendrecht              | 0:00                     |          |
| ZZ  | Wouter van den Walestr 46 3274CS Heinenoord | 0:19                     |          |
| zz  | Weerkant 106 2993DA Barendrecht             | 0:00                     |          |

Total amount of flickering on the shadow receptors caused by each WTG

| No. | Name   | Worst case<br>[h/year] | Expected<br>[h/year] |
|-----|--|------------------------|----------------------|
| 1   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (17) | 61:08                  | 16:30                |
| 2   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (18) | 31:21                  | 8:28                 |
| 3   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (19) | 57:48                  | 12:02                |
| 4   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (20) | 74:00                  | 11:49                |
| 5   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (21) | 58:14                  | 12:41                |
| 6   | NORDEX N117/3000 3000 116.8 !O! hub: 100,0 m (TOT: 158,4 m) (22) | 136:12                 | 27:29                |

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

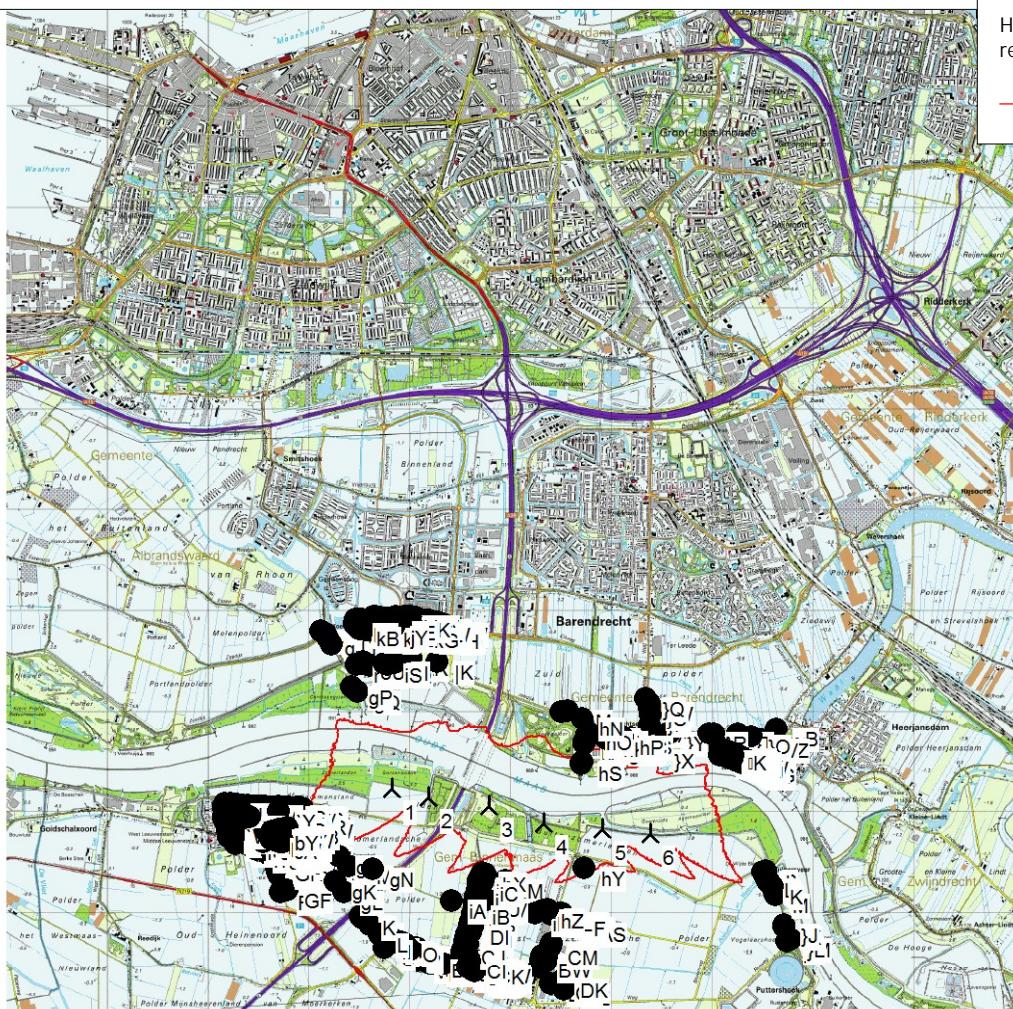
Opstelling 2c

Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:02/3.0.654

## SHADOW - Map

Calculation: Windpark Binnenmaas Opstelling 3



Map: Bitmap map: 37H\_Rotterdam\_2004.tif , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2000 East: 94.840 North: 427.040  
New WTG      Shadow receptor  
Flicker map level: 0 m above sea level

Project:  
slagschaduw 20 Dec HK\_V2

Description:

Slagschaduw

Opstelling 2c

Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
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Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:51/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

### Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

5 °

Day step for calculation

1 days

Time step for calculation

1 minutes

Sunshine probability S (Average daily sunshine hours) []

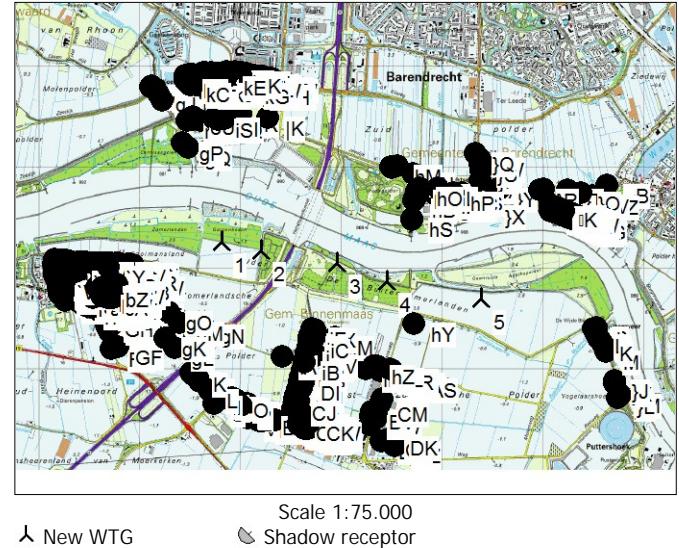
| Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 2,39 | 3,03 | 4,59 | 6,77 | 7,13 | 7,63 | 7,07 | 6,03 | 5,25 | 3,91 | 2,07 | 1,80 |

Operational time

| N   | NNE | ENE | E   | ESE | SSE | S     | SSW   | WSW   | W   | NNW | NNW | Sum   |
|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-------|
| 521 | 607 | 604 | 415 | 381 | 628 | 1.003 | 1.019 | 1.085 | 799 | 637 | 717 | 8.416 |

Idle start wind speed: Cut in wind speed from power curve

All coordinates are in  
Dutch Stereo-RD/NAP 2000



### WTGs

| X (east) | Y (north) | Z       | Row data/Description | WTG type |           | Power, rated [kW] | Rotor diameter [m] | Hub height [m] | Shadow data |       |      |
|----------|-----------|---------|----------------------|----------|-----------|-------------------|--------------------|----------------|-------------|-------|------|
|          |           |         |                      | Valid    | Manufact. |                   |                    |                | RPM         | [m]   |      |
| 1        | 93.812    | 427.259 | 0,0 WT1              | Yes      | NORDEX    | N117/3000-3.000   | 3.000              | 116,8          | 117,0       | 1.488 | 12,6 |
| 2        | 94.203    | 427.173 | 0,0 WT2              | Yes      | NORDEX    | N117/3000-3.000   | 3.000              | 116,8          | 117,0       | 1.488 | 12,6 |
| 3        | 94.958    | 427.049 | 0,0 WT3              | Yes      | NORDEX    | N117/3000-3.000   | 3.000              | 116,8          | 117,0       | 1.488 | 12,6 |
| 4        | 95.455    | 426.864 | 0,0 WT4              | Yes      | NORDEX    | N117/3000-3.000   | 3.000              | 116,8          | 117,0       | 1.488 | 12,6 |
| 5        | 96.388    | 426.695 | 0,0 WT5              | Yes      | NORDEX    | N117/3000-3.000   | 3.000              | 116,8          | 117,0       | 1.488 | 12,6 |

### Shadow receptor-Input

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height a.g.l. | Degrees from south | Slope of window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|---------------|--------------------|-----------------|--------------------|
| [A Kalesland 11 3274CH Heinenoord                |      | 92.554   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [B Prof. Teldersstraat 39 3274MC Heinenoord      |      | 92.851   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [C Bernhardstraat 1 C 3274AB Heinenoord          |      | 92.194   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [D Wiardi Beckmanhof 17 3274CX Heinenoord        |      | 92.701   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [E Abraham Kuyperhof 15 3274CW Heinenoord        |      | 92.765   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [F Margrietstraat 4 3274AH Heinenoord            |      | 92.287   | 426.838   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [G Wiardi Beckmanhof 6 3274CX Heinenoord         |      | 92.663   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [H Rietwaard 9 3274MA Heinenoord                 |      | 92.843   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [I Kalesland 20 3274CH Heinenoord                |      | 92.504   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [J Rietwaard 11 3274MA Heinenoord                |      | 92.852   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [K Buitenlanden 14 3274MB Heinenoord             |      | 92.936   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [L Abraham Kuyperhof 11 3274CW Heinenoord        |      | 92.766   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [M John F. Kennedystraat 29 3274CG Heinenoord    |      | 92.484   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [N Marijkestraat 19 3274AJ Heinenoord            |      | 92.322   | 427.058   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [O Avenhil 41 3274CT Heinenoord                  |      | 92.704   | 426.871   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [P Oosteinde 35 3274KB Heinenoord                |      | 92.706   | 426.617   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [Q Martin Luther Kingstraat 26 3274CK Heinenoord |      | 92.473   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [R Oranjestraat 27 3274AK Heinenoord             |      | 92.272   | 426.917   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [S John F. Kennedystraat 8 3274CG Heinenoord     |      | 92.673   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [T Emmastraat 14 3274AC Heinenoord               |      | 92.274   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [U Irenestraat 23 3274AD Heinenoord              |      | 92.246   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [V Spuivelden 3 3274CM Heinenoord                |      | 92.529   | 426.819   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [W Beatrixstraat 42 3274AA Heinenoord            |      | 92.208   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [X Buitenlanden 7 3274MB Heinenoord              |      | 92.888   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [Y Koimansland 38 3274CJ Heinenoord              |      | 92.445   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| [Z Kalesland 16 3274CH Heinenoord                |      | 92.492   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |
| \A Kalesland 8 3274CH Heinenoord                 |      | 92.480   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0            | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| \B  | Talmahof 1 3274CN Heinenoord                  | 92.433   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \C  | Koimansland 17 3274CJ Heinenoord              | 92.481   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \D  | Irenestraat 22 3274AE Heinenoord              | 92.266   | 426.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \E  | John F. Kennedystraat 65 3274CG Heinenoord    | 92.703   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \F  | Spuivelden 10 3274CM Heinenoord               | 92.582   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \G  | Thorbeckehof 5 3274CP Heinenoord              | 92.607   | 426.997   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \H  | Spuivelden 6 3274CM Heinenoord                | 92.571   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \I  | Prof. Teldersstraat 29 3274CZ Heinenoord      | 92.824   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \J  | John F. Kennedystraat 45 3274CG Heinenoord    | 92.531   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 92.724   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 92.812   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 92.729   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \N  | De Laagjes 11 3274CB Heinenoord               | 92.476   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 92.521   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 92.877   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 92.229   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 92.332   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 92.832   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 92.402   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 92.863   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 92.222   | 427.076   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \W  | Spuivelden 7 3274CM Heinenoord                | 92.530   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \X  | Avenhil 19 3274CT Heinenoord                  | 92.686   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 92.588   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 92.262   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 92.893   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 92.490   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 92.826   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 92.452   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 92.765   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 92.407   | 426.696   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 92.936   | 427.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 92.842   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 92.887   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]J  | Kalesland 44 3274CH Heinenoord                | 92.555   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 92.700   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 92.403   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 92.938   | 426.698   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 92.729   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 92.903   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]P  | Kalesland 14 3274CH Heinenoord                | 92.488   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 92.587   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 92.737   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 92.632   | 426.678   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 92.513   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 92.432   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 92.561   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]W  | Kalesland 13 3274CH Heinenoord                | 92.554   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 92.406   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 92.572   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 92.743   | 427.040   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^A  | Kalesland 24 3274CH Heinenoord                | 92.513   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 92.887   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 92.421   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 92.565   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^E  | Kalesland 54 3274CH Heinenoord                | 92.574   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 92.216   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 92.333   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 92.368   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 92.721   | 426.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 92.278   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 92.367   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 92.157   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ^M  | Kalesland 48 3274CH Heinenoord                | 92.564   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^N  | Buitenlanden 9 3274MB Heinenoord              | 92.893   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 92.668   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^P  | Kalesland 74 3274CH Heinenoord                | 92.592   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 92.810   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 92.266   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 92.458   | 426.756   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^T  | Kalesland 15 3274CH Heinenoord                | 92.555   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^U  | Buitenlanden 10 3274MB Heinenoord             | 92.928   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 92.571   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 92.532   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 92.857   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 92.334   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 92.766   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _A  | Kalesland 12 3274CH Heinenoord                | 92.480   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _B  | Hermannushof 18 3274CE Heinenoord             | 92.560   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 92.175   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 92.832   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 92.292   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _F  | Emmastraat 18 3274AC Heinenoord               | 92.284   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 92.765   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 92.669   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 92.793   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 92.166   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _K  | Avenhil 26 3274CT Heinenoord                  | 92.726   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _L  | Spuivelden 4 3274CM Heinenoord                | 92.566   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 92.332   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 92.432   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _O  | Rietwaard 12 3274MA Heinenoord                | 92.800   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 92.244   | 426.853   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Q  | Kalesland 62 3274CH Heinenoord                | 92.596   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 92.586   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _S  | Koimansland 20 3274CJ Heinenoord              | 92.390   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 92.781   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _U  | Talmahof 12 3274CN Heinenoord                 | 92.490   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 92.793   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _W  | Rietwaard 15 3274MA Heinenoord                | 92.870   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _X  | Oosteinde 43 3274KB Heinenoord                | 92.634   | 426.606   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 92.470   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 92.204   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 92.877   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 92.471   | 426.753   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 92.501   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 92.257   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 92.575   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `F  | Irenestraat 32 3274AE Heinenoord              | 92.297   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 92.396   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 92.362   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 92.832   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 92.329   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `K  | De Laagjes 32 3274CB Heinenoord               | 92.532   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 92.286   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `M  | Irenestraat 11 3274AD Heinenoord              | 92.241   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 92.193   | 426.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 92.800   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 92.168   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 92.329   | 426.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 92.698   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 92.799   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `T  | Emmastraat 36 3274AC Heinenoord               | 92.191   | 426.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 92.256   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `V  | Spuivelden 27 3274CM Heinenoord               | 92.576   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 92.199   | 426.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                        | Name                   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|----------------------------|------------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                            |                        | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| ` X Wouter van den Walestr | 62 3274CS Heinenoord   | 92.365   | 426.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ` Y John F. Kennedystraat  | 61 3274CG Heinenoord   | 92.692   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ` Z Wouter van den Walestr | 68 3274CS Heinenoord   | 92.368   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { A Weerkant               | 88 2993DA Barendrecht  | 94.229   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { B Weerkant               | 5 2993DA Barendrecht   | 94.255   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { C Weerkant               | 72 2993DA Barendrecht  | 94.321   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { D Zalmwater              | 111 2993DX Barendrecht | 94.221   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { E Weerkant               | 37 2993DA Barendrecht  | 94.178   | 428.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { F Weerkant               | 166 2993DA Barendrecht | 94.229   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { G Weerkant               | 128 2993DA Barendrecht | 94.222   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { H Weerkant               | 56 2993DA Barendrecht  | 94.319   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { I Weerkant               | 23 2993DA Barendrecht  | 94.216   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { J Weerkant               | 25 2993DA Barendrecht  | 94.210   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { K Weerkant               | 21 2993DA Barendrecht  | 94.221   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { L Weerkant               | 66 2993DA Barendrecht  | 94.313   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { M Weerkant               | 120 2993DA Barendrecht | 94.229   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { N Zalmwater              | 121 2993DX Barendrecht | 94.188   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { O Weerkant               | 22 2993DA Barendrecht  | 94.321   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { P Weerkant               | 162 2993DA Barendrecht | 94.223   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Q Zalmwater              | 123 2993DX Barendrecht | 94.182   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { R Weerkant               | 54 2993DA Barendrecht  | 94.311   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { S Weerkant               | 44 2993DA Barendrecht  | 94.316   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { T Weerkant               | 108 2993DA Barendrecht | 94.225   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { U Weerkant               | 8 2993DA Barendrecht   | 94.322   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { V Weerkant               | 150 2993DA Barendrecht | 94.227   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { W Zalmwater              | 131 2993DX Barendrecht | 94.156   | 428.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { X Weerkant               | 35 2993DA Barendrecht  | 94.183   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Y Weerkant               | 28 2993DA Barendrecht  | 94.314   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Z Weerkant               | 98 2993DA Barendrecht  | 94.230   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { A Weerkant               | 124 2993DA Barendrecht | 94.225   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { B Weerkant               | 52 2993DA Barendrecht  | 94.320   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { C Kuikant                | 169 2993DV Barendrecht | 94.338   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { D Weerkant               | 36 2993DA Barendrecht  | 94.312   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { E Weerkant               | 2 2993DA Barendrecht   | 94.320   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { F Weerkant               | 27 2993DA Barendrecht  | 94.205   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { G Weerkant               | 29 2993DA Barendrecht  | 94.199   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { H Weerkant               | 90 2993DA Barendrecht  | 94.227   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { I Weerkant               | 160 2993DA Barendrecht | 94.221   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { J Zalmwater              | 117 2993DX Barendrecht | 94.201   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { K Koedood                | 2 2993AL Barendrecht   | 94.270   | 428.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { L Weerkant               | 11 2993DA Barendrecht  | 94.254   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { M Weerkant               | 15 2993DA Barendrecht  | 94.237   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { N Weerkant               | 16 2993DA Barendrecht  | 94.321   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { O Weerkant               | 40 2993DA Barendrecht  | 94.316   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { P Weerkant               | 74 2993DA Barendrecht  | 94.322   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Q Weerkant               | 78 2993DA Barendrecht  | 94.314   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { R Weerkant               | 102 2993DA Barendrecht | 94.227   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { S Harderwater            | 51 2993DW Barendrecht  | 94.274   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { T Zalmwater              | 119 2993DX Barendrecht | 94.195   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { U Zalmwater              | 129 2993DX Barendrecht | 94.163   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { V Weerkant               | 156 2993DA Barendrecht | 94.221   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { W Spieringwater          | 3 2993DM Barendrecht   | 94.158   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { X Weerkant               | 7 2993DA Barendrecht   | 94.255   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Y Weerkant               | 13 2993DA Barendrecht  | 94.254   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Z Weerkant               | 3 2993DA Barendrecht   | 94.256   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { A Weerkant               | 9 2993DA Barendrecht   | 94.255   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { B Weerkant               | 110 2993DA Barendrecht | 94.227   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { C Weerkant               | 142 2993DA Barendrecht | 94.233   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { D Weerkant               | 154 2993DA Barendrecht | 94.223   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { E Weerkant               | 164 2993DA Barendrecht | 94.225   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { F Weerkant               | 152 2993DA Barendrecht | 94.225   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { G Zalmwater              | 113 2993DX Barendrecht | 94.213   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { H Weerkant               | 50 2993DA Barendrecht  | 94.322   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| J   | I Weerkant 58 2993DA Barendrecht             | 94.317   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | J Kuipersveer 9 3274KH Heinenoord            | 97.706   | 425.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | K Kuipersveer 7 3274KH Heinenoord            | 97.711   | 425.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | L Kuipersveer 3 3274KH Heinenoord            | 97.762   | 425.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | M Kuipersveer 5 3274KH Heinenoord            | 97.770   | 425.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | N Kuipersveer 1 A 3274KH Heinenoord          | 97.737   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | O Ziedewijdsekade 14 2991VS Barendrecht      | 97.379   | 427.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | P 3e Barendrechtseweg 555 2991SH Barendrecht | 96.384   | 427.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Q 3e Barendrechtseweg 454 2992SN Barendrecht | 96.331   | 428.132   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | R Ziedewijdsekade 36 2991SE Barendrecht      | 96.966   | 427.774   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | S 3e Barendrechtseweg 545 2991SH Barendrecht | 96.375   | 428.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | T Ziedewijdsekade 18 2991VS Barendrecht      | 97.248   | 427.775   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | U Ziedewijdsekade 72 2991SE Barendrecht      | 96.547   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | V Ziedewijdsekade 1 2991VS Barendrecht       | 97.493   | 427.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | W 3e Barendrechtseweg 541 2991SH Barendrecht | 96.375   | 428.077   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | X Achterzeedijk 11 2991SB Barendrecht        | 96.449   | 427.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Y Ziedewijdsekade 70 2991SE Barendrecht      | 96.571   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Z Ziedewijdsekade 10 2991VS Barendrecht      | 97.590   | 427.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | A 3e Barendrechtseweg 559 2991SH Barendrecht | 96.372   | 427.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | B Ziedewijdsekade 12 2991VS Barendrecht      | 97.633   | 427.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | C Ziedewijdsekade 34 2991SE Barendrecht      | 97.009   | 427.777   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | D Achterzeedijk 1 2991SB Barendrecht         | 97.077   | 427.630   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | E Achterzeedijk 1 a 1 2991SB Barendrecht     | 97.394   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | F Achterzeedijk 1 a 2 2991SB Barendrecht     | 97.392   | 427.477   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | G Achterzeedijk 1 a 3 2991SB Barendrecht     | 97.386   | 427.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | H Achterzeedijk 1 a 4 2991SB Barendrecht     | 97.382   | 427.439   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | I Achterzeedijk 1 a 6 2991SB Barendrecht     | 97.368   | 427.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | J Achterzeedijk 1 a 7 2991SB Barendrecht     | 97.356   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | K Achterzeedijk 1 a 8 2991SB Barendrecht     | 97.347   | 427.453   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | L Achterzeedijk 1 a 9 2991SB Barendrecht     | 97.345   | 427.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | M Achterzeedijk 1 a 10 2991SB Barendrecht    | 97.346   | 427.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | N Achterzeedijk 1 a 11 2991SB Barendrecht    | 97.338   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | O Achterzeedijk 1 a 12 2991SB Barendrecht    | 97.333   | 427.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | P Achterzeedijk 1 a 14 2991SB Barendrecht    | 97.319   | 427.508   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Q Achterzeedijk 1 a 16 2991SB Barendrecht    | 97.301   | 427.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | R Achterzeedijk 1 a 17 2991SB Barendrecht    | 97.297   | 427.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | S Achterzeedijk 1 a 18 2991SB Barendrecht    | 97.294   | 427.518   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | T Achterzeedijk 1 a 19 2991SB Barendrecht    | 97.294   | 427.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | U Achterzeedijk 1 a 20 2991SB Barendrecht    | 97.285   | 427.484   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | V Achterzeedijk 1 a 21 2991SB Barendrecht    | 97.284   | 427.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | W Achterzeedijk 1 a 22 2991SB Barendrecht    | 97.273   | 427.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | X Achterzeedijk 1 a 23 2991SB Barendrecht    | 97.261   | 427.513   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Y Achterzeedijk 1 a 24 2991SB Barendrecht    | 97.252   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~   | Z Achterzeedijk 1 a 26 2991SB Barendrecht    | 97.250   | 427.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?A  | Achterzeedijk 1 a 53 2991SB Barendrecht      | 97.085   | 427.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?B  | Achterzeedijk 1 a 54 2991SB Barendrecht      | 97.079   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?C  | Achterzeedijk 1 a 55 2991SB Barendrecht      | 97.075   | 427.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?D  | Achterzeedijk 1 a 56 2991SB Barendrecht      | 97.069   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?E  | Achterzeedijk 1 a 13 2991SB Barendrecht      | 97.329   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?F  | Achterzeedijk 1 a 15 2991SB Barendrecht      | 97.311   | 427.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?G  | Achterzeedijk 1 a 25 2991SB Barendrecht      | 97.249   | 427.554   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?H  | Achterzeedijk 1 a 5 2991SB Barendrecht       | 97.378   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?I  | Kuipersveer 15 3274KH Heinenoord             | 97.606   | 426.230   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?J  | Kuipersveer 31 3274KH Heinenoord             | 97.501   | 426.403   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?K  | Kuipersveer 15 A 3274KH Heinenoord           | 97.591   | 426.257   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?L  | Kuipersveer 23 3274KH Heinenoord             | 97.535   | 426.329   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?M  | Kuipersveer 13 3274KH Heinenoord             | 97.623   | 426.174   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?N  | Kuipersveer 15 D 3274KH Heinenoord           | 97.562   | 426.295   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?O  | Kuipersveer 19 3274KH Heinenoord             | 97.545   | 426.312   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?P  | Kuipersveer 25 3274KH Heinenoord             | 97.526   | 426.343   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?Q  | Kuipersveer 21 3274KH Heinenoord             | 97.539   | 426.323   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?R  | Kuipersveer 35 3274KH Heinenoord             | 97.529   | 426.410   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?S  | Kuipersveer 15 C 3274KH Heinenoord           | 97.576   | 426.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ?TKuipersveer 17               | 3274KH Heinenoord  | 97.549   | 426.307   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| A Blaaksedijk West 28          | 3274LE Heinenoord  | 94.023   | 425.651   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •A Achterzeedijk 1 a 27        | 2991SB Barendrecht | 97.243   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AA Blaaksedijk West 26         | 3274LE Heinenoord  | 94.070   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aA Martin Luther Kingstraat 44 | 3274CL Heinenoord  | 92.526   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AB Doormanstraat 15            | 3274LK Heinenoord  | 94.658   | 425.375   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ab Rietwaard 22                | 3274MA Heinenoord  | 92.878   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aC Kalesland 68                | 3274CH Heinenoord  | 92.605   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AC Mollekade 11                | 3274LN Heinenoord  | 94.528   | 425.645   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aD Hermannushof 12             | 3274CE Heinenoord  | 92.541   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AD Boonsweg 55                 | 3274LH Heinenoord  | 95.277   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AE Doormanstraat 19            | 3274LK Heinenoord  | 94.664   | 425.387   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aE De Laagjes 24               | 3274CB Heinenoord  | 92.509   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AF Doormanstraat 35            | 3274LK Heinenoord  | 94.682   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| af Wouter van den Walestr 42   | 3274CS Heinenoord  | 92.361   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aG Avenhil 29                  | 3274CT Heinenoord  | 92.733   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AG Doormanstraat 12            | 3274LK Heinenoord  | 94.692   | 425.406   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aH Beatrixstraat 50            | 3274AA Heinenoord  | 92.212   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AH Mollekade 24 A              | 3274LP Heinenoord  | 94.553   | 425.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AI Doormanstraat 21            | 3274LK Heinenoord  | 94.667   | 425.394   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| al Martin Luther Kingstraat 38 | 3274CL Heinenoord  | 92.507   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aj Koomansland 34              | 3274CJ Heinenoord  | 92.445   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AJ de Ruyterstraat 6 B         | 3274LJ Heinenoord  | 94.524   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ak Martin Luther Kingstraat 20 | 3274CK Heinenoord  | 92.439   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AK Trompstraat 20              | 3274LT Heinenoord  | 94.635   | 425.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aL Spuibelden 1                | 3274CM Heinenoord  | 92.531   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AL van Galenstraat 11          | 3274LV Heinenoord  | 94.534   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aM Oranjestraat 22             | 3274AK Heinenoord  | 92.188   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AM Gorzenweg 2                 | 3274LL Heinenoord  | 95.503   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AN Mollekade 17                | 3274LN Heinenoord  | 94.552   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aN Koomansland 15              | 3274CJ Heinenoord  | 92.474   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aO De Laagjes 34               | 3274CB Heinenoord  | 92.538   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AO Mollekade 21                | 3274LN Heinenoord  | 94.566   | 425.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AP de Ruyterstraat 10          | 3274LJ Heinenoord  | 94.658   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aP Boerengorzen 12             | 3274CV Heinenoord  | 92.754   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aQ Hermannushof 22             | 3274CE Heinenoord  | 92.582   | 426.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AQ Mollekade 3 A               | 3274LN Heinenoord  | 94.488   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aR Prof. Teldersstraat 17      | 3274CZ Heinenoord  | 92.799   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AR Doormanstraat 31            | 3274LK Heinenoord  | 94.676   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AS Gorzenweg 1 A               | 3274LL Heinenoord  | 95.716   | 425.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aS Avenhil 31                  | 3274CT Heinenoord  | 92.738   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AT de Ruyterstraat 4 A         | 3274LJ Heinenoord  | 94.527   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aT Martin Luther Kingstraat 4  | 3274CK Heinenoord  | 92.386   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aU Emmastraat 5                | 3274AC Heinenoord  | 92.231   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AU de Ruyterstraat 6 A         | 3274LJ Heinenoord  | 94.524   | 425.505   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aV Prof. Teldersstraat 33      | 3274MC Heinenoord  | 92.854   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AV Mollekade 13 A              | 3274LN Heinenoord  | 94.541   | 425.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aW Abraham Kuyperhof 6         | 3274CW Heinenoord  | 92.721   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AW Blaaksedijk West 15         | 3274LD Heinenoord  | 94.221   | 425.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aX Prof. Teldersstraat 9       | 3274CZ Heinenoord  | 92.801   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AX Doormanstraat 25            | 3274LK Heinenoord  | 94.672   | 425.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AY Blaaksedijk West 16 A       | 3274LE Heinenoord  | 94.260   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aY Andries Woutershof 6        | 3274CA Heinenoord  | 92.466   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AZ Gorzenweg 1                 | 3274LL Heinenoord  | 95.615   | 425.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aZ Beatrixstraat 25            | 3274AA Heinenoord  | 92.188   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| B Blaaksedijk West 49          | 3274LD Heinenoord  | 93.567   | 425.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •B Achterzeedijk 1 a 28        | 2991SB Barendrecht | 97.237   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bA Koomansland 9               | 3274CJ Heinenoord  | 92.450   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BA Nijverheidsweg 32           | 3274KJ Heinenoord  | 95.394   | 425.284   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BB Blaaksedijk West 19         | 3274LD Heinenoord  | 94.188   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bB Avenhil 22                  | 3274CT Heinenoord  | 92.711   | 426.950   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BC Mollekade 15                | 3274LN Heinenoord  | 94.545   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bC John F. Kennedystraat 87    | 3274CG Heinenoord  | 92.855   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name                                       | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord | 92.798   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BD  | Trompstraat 10 3274LT Heinenoord           | 94.621   | 425.414   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BE  | Mollekade 27 3274LN Heinenoord             | 94.617   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bE  | Irenestraat 17 3274AD Heinenoord           | 92.244   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BF  | Blaaksedijk West 21 3274LD Heinenoord      | 94.177   | 425.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bF  | Spuivelden 23 3274CM Heinenoord            | 92.578   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bg  | Kalesland 36 3274CH Heinenoord             | 92.534   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BG  | Piet Heinstraat 1 3274LR Heinenoord        | 94.628   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bH  | Koomansland 4 3274CJ Heinenoord            | 92.414   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BH  | Mollekade 1 3274LN Heinenoord              | 94.478   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BI  | de Ruyterstraat 15 3274LJ Heinenoord       | 94.667   | 425.521   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bl  | Jan de Rooystraat 1 3274NA Heinenoord      | 92.628   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bJ  | Jan de Rooystraat 3 3274NA Heinenoord      | 92.627   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BJ  | Blaaksedijk West 14 3274LE Heinenoord      | 94.286   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bK  | Jan de Rooystraat 5 3274NA Heinenoord      | 92.626   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BK  | Mollekade 8 3274LP Heinenoord              | 94.518   | 425.481   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BL  | de Ruyterstraat 2 B 3274LJ Heinenoord      | 94.529   | 425.523   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bL  | Jan de Rooystraat 7 3274NA Heinenoord      | 92.623   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BM  | van Galenstraat 4 3274LV Heinenoord        | 94.587   | 425.507   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bM  | Jan de Rooystraat 9 3274NA Heinenoord      | 92.621   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BN  | Mollekade 23 A 3274LN Heinenoord           | 94.587   | 425.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bN  | Jan de Rooystraat 11 3274NA Heinenoord     | 92.620   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BO  | Blaaksedijk West 20 3274LE Heinenoord      | 94.165   | 425.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bO  | Jan de Rooystraat 13 3274NA Heinenoord     | 92.619   | 426.726   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bP  | Jan de Rooystraat 2 3274NA Heinenoord      | 92.663   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BP  | Doormanstraat 45 3274LK Heinenoord         | 94.686   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BQ  | de Ruyterstraat 4 B 3274LJ Heinenoord      | 94.526   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bQ  | Jan de Rooystraat 4 3274NA Heinenoord      | 92.662   | 426.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BR  | Nijverheidsweg 7 3274KJ Heinenoord         | 95.525   | 425.232   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bR  | Jan de Rooystraat 6 3274NA Heinenoord      | 92.660   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bS  | Jan de Rooystraat 8 3274NA Heinenoord      | 92.656   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BS  | Gorzenweg 9 3274LL Heinenoord              | 95.389   | 425.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bT  | Jan de Rooystraat 10 3274NA Heinenoord     | 92.655   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BT  | Mollekade 9 3274LN Heinenoord              | 94.520   | 425.612   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BU  | de Ruyterstraat 14 3274LJ Heinenoord       | 94.670   | 425.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bU  | Jan de Rooystraat 12 3274NA Heinenoord     | 92.654   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BV  | Boonsweg 69 3274LH Heinenoord              | 95.303   | 425.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bV  | Jan de Rooystraat 14 3274NA Heinenoord     | 92.652   | 426.730   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BW  | Boonsweg 65 3274LH Heinenoord              | 95.295   | 425.528   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bW  | Jan de Rooystraat 16 3274NA Heinenoord     | 92.651   | 426.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BX  | Trompstraat 14 3274LT Heinenoord           | 94.623   | 425.426   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bX  | Arie Jongekrijgstraat 1 3274NB Heinenoord  | 92.695   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BY  | Blaaksedijk West 18 3274LE Heinenoord      | 94.241   | 425.524   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bY  | Arie Jongekrijgstraat 3 3274NB Heinenoord  | 92.689   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BZ  | van Galenstraat 7 3274LV Heinenoord        | 94.596   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bZ  | Arie Jongekrijgstraat 5 3274NB Heinenoord  | 92.691   | 426.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| C   | Blaaksedijk West 34 3274LE Heinenoord      | 93.916   | 425.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht    | 97.235   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord | 92.677   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord       | 94.685   | 425.516   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord | 92.692   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CB  | Trompstraat 16 3274LT Heinenoord           | 94.633   | 425.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord | 92.709   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CC  | Blaaksedijk West 12 3274LE Heinenoord      | 94.347   | 425.489   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CD  | Boonsweg 14 3274LH Heinenoord              | 95.402   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord | 92.718   | 426.702   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CE  | Mollekade 10 3274LP Heinenoord             | 94.519   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord | 92.729   | 426.701   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CF  | Gorzenweg 5 3274LL Heinenoord              | 95.503   | 425.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord | 92.739   | 426.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord  | 92.715   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CG  | van Galenstraat 14 3274LV Heinenoord       | 94.576   | 425.452   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CH  | Trompstraat 22 3274LT Heinenoord           | 94.639   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 92.715   | 426.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 92.713   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 94.588   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 92.712   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CJ  | Mollekade 13 3274LN Heinenoord               | 94.534   | 425.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 92.718   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CK  | Doormanstraat 37 3274LK Heinenoord           | 94.683   | 425.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 92.710   | 426.761   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 94.577   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cM  | Arie Jongekrijgstraat 14 3274NB Heinenoord   | 92.709   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CM  | Boonsweg 12 3274LH Heinenoord                | 95.390   | 425.659   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CN  | Piet Heinstraat 2 3274LR Heinenoord          | 94.637   | 425.412   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cN  | Arie Jongekrijgstraat 16 3274NB Heinenoord   | 92.708   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cO  | Arie Jongekrijgstraat 18 3274NB Heinenoord   | 92.707   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CO  | Doormanstraat 33 3274LK Heinenoord           | 94.669   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CP  | Piet Heinstraat 3 3274LR Heinenoord          | 94.635   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cP  | Arie Jongekrijgstraat 20 3274NB Heinenoord   | 92.707   | 426.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cQ  | Opper Van Treurenstraat 2 3274ND Heinenoord  | 92.777   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CQ  | van Galenstraat 16 3274LV Heinenoord         | 94.572   | 425.446   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CR  | Gorzenweg 7 3274LL Heinenoord                | 95.464   | 425.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cR  | Opper Van Treurenstraat 4 3274ND Heinenoord  | 92.777   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CS  | Doormanstraat 27 3274LK Heinenoord           | 94.669   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cS  | Opper Van Treurenstraat 6 3274ND Heinenoord  | 92.776   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CT  | de Ruyterstraat 19 3274LJ Heinenoord         | 94.705   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cT  | Opper Van Treurenstraat 8 3274ND Heinenoord  | 92.776   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cU  | Opper Van Treurenstraat 10 3274ND Heinenoord | 92.775   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CU  | Trompstraat 12 3274LT Heinenoord             | 94.622   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CV  | Nijverheidsweg 47 3274KJ Heinenoord          | 95.465   | 425.302   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cV  | Opper Van Treurenstraat 12 3274ND Heinenoord | 92.775   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Doormanstraat 39 3274LK Heinenoord           | 94.684   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Opper Van Treurenstraat 14 3274ND Heinenoord | 92.775   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cX  | Opper Van Treurenstraat 16 3274ND Heinenoord | 92.774   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CX  | Boonsweg 6 3274LH Heinenoord                 | 95.351   | 425.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CY  | Piet Heinstraat 9 3274LR Heinenoord          | 94.658   | 425.445   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cY  | Opper Van Treurenstraat 18 3274ND Heinenoord | 92.774   | 426.808   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cZ  | Opper Van Treurenstraat 20 3274ND Heinenoord | 92.773   | 426.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CZ  | Nijverheidsweg 8 3274KJ Heinenoord           | 95.544   | 425.248   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| D   | Blaaksedijk West 41 3274LD Heinenoord        | 93.876   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •D  | Achterzeedijk 1 a 30 2991SB Barendrecht      | 97.225   | 427.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| da  | Opper Van Treurenstraat 22 3274ND Heinenoord | 92.773   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DA  | Boonsweg 4 3274LH Heinenoord                 | 95.346   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dB  | Opper Van Treurenstraat 24 3274ND Heinenoord | 92.773   | 426.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DB  | de Ruyterstraat 2 A 3274LJ Heinenoord        | 94.529   | 425.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dc  | Opper Van Treurenstraat 26 3274ND Heinenoord | 92.772   | 426.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DC  | van Galenstraat 1 3274LV Heinenoord          | 94.608   | 425.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DD  | Mollekade 7 3274LN Heinenoord                | 94.502   | 425.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dD  | Opper Van Treurenstraat 28 3274ND Heinenoord | 92.772   | 426.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DE  | Mollekade 4 3274LP Heinenoord                | 94.516   | 425.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dE  | Opper Van Treurenstraat 30 3274ND Heinenoord | 92.771   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DF  | Mollekade 2 3274LP Heinenoord                | 94.515   | 425.463   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dF  | Opper Van Treurenstraat 32 3274ND Heinenoord | 92.771   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dG  | Opper Van Treurenstraat 34 3274ND Heinenoord | 92.769   | 426.759   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DG  | van Galenstraat 28 3274LV Heinenoord         | 94.509   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DH  | Mollekade 6 3274LP Heinenoord                | 94.517   | 425.475   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dH  | Opper Van Treurenstraat 36 3274ND Heinenoord | 92.768   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dI  | Opper Van Treurenstraat 38 3274ND Heinenoord | 92.768   | 426.751   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DI  | Mollekade 26 C 3274LP Heinenoord             | 94.621   | 425.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DJ  | Mollekade 26 A 3274LP Heinenoord             | 94.605   | 425.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dJ  | Opper Van Treurenstraat 40 3274ND Heinenoord | 92.767   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DK  | Nijverheidsweg 36 3274KJ Heinenoord          | 95.512   | 425.322   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dK  | Opper Van Treurenstraat 42 3274ND Heinenoord | 92.767   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DL  | Doormanstraat 18 3274LK Heinenoord           | 94.705   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dL  | Opper Van Treurenstraat 44 3274ND Heinenoord | 92.766   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| dM  | Opper Van Treurenstraat 46 3274ND Heinenoord | 92.766   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DM  | de Ruyterstraat 9 3274LJ Heinenoord          | 94.591   | 425.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DN  | van Galenstraat 20 3274LV Heinenoord         | 94.530   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dN  | Opper Van Treurenstraat 48 3274ND Heinenoord | 92.765   | 426.731   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DO  | Mollekade 5 3274LN Heinenoord                | 94.497   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dO  | Opper Van Treurenstraat 50 3274ND Heinenoord | 92.765   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DP  | Mollekade 25 3274LN Heinenoord               | 94.598   | 425.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dP  | Opper Van Treurenstraat 52 3274ND Heinenoord | 92.765   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DQ  | Blaaksedijk West 17 3274LD Heinenoord        | 94.212   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 92.764   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 94.621   | 425.532   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 92.764   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 92.763   | 426.695   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 94.686   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 92.762   | 426.689   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DT  | Mollekade 19 3274LN Heinenoord               | 94.556   | 425.758   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 92.761   | 426.683   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DU  | Trompstraat 6 3274LT Heinenoord              | 94.618   | 425.404   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 92.761   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DV  | Trompstraat 24 3274LT Heinenoord             | 94.639   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 95.510   | 425.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 92.760   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 94.705   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 92.759   | 426.665   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 94.515   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 92.747   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 92.746   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 94.598   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 94.134   | 425.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 97.213   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 92.746   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 94.579   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 92.744   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 94.506   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 94.648   | 425.423   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 92.745   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 94.537   | 425.449   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 92.744   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 92.743   | 426.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 94.568   | 425.545   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 92.741   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EF  | Mollekade 26 3274LP Heinenoord               | 94.573   | 425.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 92.740   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 94.666   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 92.740   | 426.754   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 94.584   | 425.493   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 92.739   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 94.708   | 425.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 94.651   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 92.737   | 426.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 95.540   | 425.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 92.737   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 92.736   | 426.733   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 94.664   | 425.399   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 92.731   | 426.669   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 94.687   | 425.479   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EN  | Trompstraat 8 3274LT Heinenoord              | 94.619   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 92.723   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EO  | Trompstraat 4 3274LT Heinenoord              | 94.614   | 425.398   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 92.712   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 94.640   | 425.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 92.703   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 92.692   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.  | Name              | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|-------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |                   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| EQ van Galenstraat 13                      | 3274LV Heinenoord | 94.515   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eR Engel de Raatpad 12                     | 3274NC Heinenoord | 92.685   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ER Mollekade 12                            | 3274LP Heinenoord | 94.520   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eS Engel de Raatpad 14                     | 3274NC Heinenoord | 92.671   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ES van Galenstraat 22                      | 3274LV Heinenoord | 94.525   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ET Doormanstraat 29                        | 3274LK Heinenoord | 94.670   | 425.418   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eT Jan van Vlietstraat 1                   | 3274NE Heinenoord | 92.809   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eU Jan van Vlietstraat 3                   | 3274NE Heinenoord | 92.808   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EU Doormanstraat 17                        | 3274LK Heinenoord | 94.661   | 425.382   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eV Jan van Vlietstraat 5                   | 3274NE Heinenoord | 92.807   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EV Doormanstraat 10                        | 3274LK Heinenoord | 94.691   | 425.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eW Jan van Vlietstraat 7                   | 3274NE Heinenoord | 92.806   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EW Doormanstraat 14                        | 3274LK Heinenoord | 94.696   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EX Trompstraat 18                          | 3274LT Heinenoord | 94.634   | 425.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eX Jan van Vlietstraat 9                   | 3274NE Heinenoord | 92.805   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EY van Galenstraat 8                       | 3274LV Heinenoord | 94.582   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eY Jan van Vlietstraat 19                  | 3274NE Heinenoord | 92.795   | 426.692   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eZ Jan van Vlietstraat 21                  | 3274NE Heinenoord | 92.794   | 426.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EZ de Ruyterstraat 5                       | 3274LJ Heinenoord | 94.534   | 425.551   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| F Blaaksedijk West 55                      | 3274LD Heinenoord | 93.509   | 425.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •F Achterzeedijk 1 a 32 2991SB Barendrecht |                   | 97.204   | 427.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FA Trompstraat 26                          | 3274LT Heinenoord | 94.641   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fA Jan van Vlietstraat 23                  | 3274NE Heinenoord | 92.794   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FB van Galenstraat 24                      | 3274LV Heinenoord | 94.520   | 425.454   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fb Jan van Vlietstraat 25                  | 3274NE Heinenoord | 92.793   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FC van Galenstraat 3                       | 3274LV Heinenoord | 94.606   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fC Jan van Vlietstraat 27                  | 3274NE Heinenoord | 92.792   | 426.668   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fd Jan van Vlietstraat 29                  | 3274NE Heinenoord | 92.792   | 426.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FD Piet Heinstraat 6                       | 3274LR Heinenoord | 94.652   | 425.422   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE Wouter van den Walestr 11               | 3274CR Heinenoord | 92.402   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE De Ruyterstraat 13                      | 3274LJ Heinenoord | 94.644   | 425.519   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FF Mollekade 7 A                           | 3274LN Heinenoord | 94.515   | 425.591   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ff Wouter van den Walestr 13               | 3274CR Heinenoord | 92.402   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fG Wouter van den Walestr 15               | 3274CR Heinenoord | 92.403   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FG Blaaksedijk West 16                     | 3274LE Heinenoord | 94.251   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fh Wouter van den Walestr 17               | 3274CR Heinenoord | 92.403   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FH Oosteinde 5                             | 3274KB Heinenoord | 92.991   | 426.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fI Wouter van den Walestr 19               | 3274CR Heinenoord | 92.404   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FI Oosteinde 11                            | 3274KB Heinenoord | 92.959   | 426.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FJ Oosteinde 1                             | 3274KB Heinenoord | 93.032   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fj Wouter van den Walestr 21               | 3274CR Heinenoord | 92.404   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FK Oosteinde 3                             | 3274KB Heinenoord | 92.995   | 426.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fK Wouter van den Walestr 23               | 3274CR Heinenoord | 92.405   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FL Oud-Heinenoordseweg 9                   | 3274KD Heinenoord | 92.665   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fl Wouter van den Walestr 25               | 3274CR Heinenoord | 92.405   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fm Wouter van den Walestr 27               | 3274CR Heinenoord | 92.406   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FM Oud-Heinenoordseweg 3                   | 3274KD Heinenoord | 92.641   | 426.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FN Oosteinde 13                            | 3274KB Heinenoord | 92.956   | 426.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fn Wouter van den Walestr 29               | 3274CR Heinenoord | 92.406   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fO Wouter van den Walestr 31               | 3274CR Heinenoord | 92.407   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FO Oosteinde 7                             | 3274KB Heinenoord | 92.988   | 426.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fp Wouter van den Walestr 33               | 3274CR Heinenoord | 92.407   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FP Oosteinde 27                            | 3274KB Heinenoord | 92.815   | 426.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fQ Wouter van den Walestr 35               | 3274CR Heinenoord | 92.408   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FQ Oud-Heinenoordseweg 8                   | 3274KD Heinenoord | 92.698   | 426.370   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FR Oosteinde 25                            | 3274KB Heinenoord | 92.837   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fR Wouter van den Walestr 37               | 3274CR Heinenoord | 92.408   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FS Oud-Heinenoordseweg 10                  | 3274KD Heinenoord | 92.718   | 426.203   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fS Wouter van den Walestr 39               | 3274CR Heinenoord | 92.409   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Wouter van den Walestr 41               | 3274CR Heinenoord | 92.409   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Oud-Heinenoordseweg 7                   | 3274KD Heinenoord | 92.658   | 426.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fU Wouter van den Walestr 43               | 3274CR Heinenoord | 92.410   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FU Oud-Heinenoordseweg 1                   | 3274KD Heinenoord | 92.637   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord  | 92.410   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FV  | Oosteinde 19 3274KB Heinenoord               | 92.899   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fw  | Wouter van den Walestr 47 3274CR Heinenoord  | 92.411   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord      | 92.650   | 426.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fx  | Dorpsstraat 8 3274BD Heinenoord              | 92.409   | 426.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord     | 92.718   | 426.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord     | 92.679   | 426.498   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Jan van Vlietstraat 11 3274NE Heinenoord     | 92.800   | 426.765   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FZ  | Oosteinde 17 3274KB Heinenoord               | 92.930   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 92.799   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 93.599   | 425.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 97.202   | 427.574   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 92.684   | 426.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 92.799   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 92.798   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GB  | Oosteinde 21 3274KB Heinenoord               | 92.878   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GC  | Oosteinde 9 3274KB Heinenoord                | 92.969   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 92.798   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 92.673   | 426.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gd  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 92.797   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GE  | Oosteinde 31 3274KB Heinenoord               | 92.753   | 426.596   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 92.797   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 92.797   | 426.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 92.782   | 426.222   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GG  | Oosteinde 15 3274KB Heinenoord               | 92.945   | 426.559   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 92.681   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 92.679   | 426.741   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 92.683   | 426.492   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 92.679   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 92.698   | 426.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 92.994   | 426.566   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 92.677   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 93.254   | 426.304   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 93.014   | 426.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 92.672   | 426.438   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 93.343   | 426.207   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GM  | Oosteinde 29 3274KB Heinenoord               | 92.782   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gm  | Zomerlandseweg 4 3274LX Heinenoord           | 93.390   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 92.603   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 93.633   | 426.428   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 93.291   | 426.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 92.695   | 426.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gP  | Koedood 17 a 2993AL Barendrecht              | 93.423   | 428.241   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 92.721   | 426.424   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gQ  | Koedood 17 2993AL Barendrecht                | 93.478   | 428.194   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GQ  | Oosteinde 23 3274KB Heinenoord               | 92.852   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 92.331   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 95.724   | 427.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 92.583   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 96.194   | 427.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 95.698   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 92.453   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 92.154   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 95.754   | 427.762   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 96.138   | 427.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GV  | Avenhil 5 3274CT Heinenoord                  | 92.651   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 95.933   | 427.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 92.493   | 426.706   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 92.302   | 427.062   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 95.504   | 427.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 92.185   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 95.723   | 427.667   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 96.006   | 427.680   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| GZ Avenhil 37 3274CT Heinenoord                  |      | 92.725   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| H Reedijk 1 3274KE Heinenoord                    |      | 93.754   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •H Achterzeedijk 1 a 34 2991SB Barendrecht       |      | 97.201   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hA Achterzeedijk 63 2992SB Barendrecht           |      | 95.725   | 427.694   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HA Hermannushof 14 3274CE Heinenoord             |      | 92.548   | 426.704   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hb Achterzeedijk 67 2992SB Barendrecht           |      | 95.724   | 427.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HB Marijkestraat 25 3274AJ Heinenoord            |      | 92.341   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hc Achterzeedijk 38 2992SC Barendrecht           |      | 96.136   | 427.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HC Kalesland 3 3274CH Heinenoord                 |      | 92.524   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hd Achterzeedijk 47 2992SB Barendrecht           |      | 95.955   | 427.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HD Prof. Teldersstraat 35 3274MC Heinenoord      |      | 92.853   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hE Achterzeedijk 39 2992SB Barendrecht           |      | 96.103   | 427.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HE Marijkestraat 11 3274AJ Heinenoord            |      | 92.296   | 427.063   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hf Achterzeedijk 41 2992SB Barendrecht           |      | 96.083   | 427.682   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HF John F. Kennedystraat 38 3274CG Heinenoord    |      | 92.808   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hg Achterzeedijk 64 2992SC Barendrecht           |      | 95.495   | 427.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HG Oranjestraat 16 3274AK Heinenoord             |      | 92.161   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hh Achterzeedijk 71 2992SB Barendrecht           |      | 95.702   | 427.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HH Boerengorzen 10 3274CV Heinenoord             |      | 92.755   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hI Achterzeedijk 59 2992SB Barendrecht           |      | 95.779   | 427.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HI Kalesland 78 3274CH Heinenoord                |      | 92.592   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HJ Margrietstraat 18 3274AH Heinenoord           |      | 92.329   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hJ Achterzeedijk 42 2992SC Barendrecht           |      | 95.997   | 427.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HK Martin Luther Kingstraat 60 3274CL Heinenoord |      | 92.594   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hK Achterzeedijk 49 2992SB Barendrecht           |      | 95.949   | 427.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hL Achterzeedijk 48 2992SC Barendrecht           |      | 95.960   | 427.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HL Talmahof 7 3274CN Heinenoord                  |      | 92.435   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hM Achterzeedijk 60 2992SC Barendrecht           |      | 95.562   | 428.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HM Kalesland 56 3274CH Heinenoord                |      | 92.580   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hn Achterzeedijk 58 2992SC Barendrecht           |      | 95.709   | 427.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HN Emmastraat 22 3274AC Heinenoord               |      | 92.295   | 426.783   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hO Achterzeedijk 61 2992SB Barendrecht           |      | 95.775   | 427.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HO John F. Kennedystraat 18 3274CG Heinenoord    |      | 92.727   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hP Achterzeedijk 40 2992SC Barendrecht           |      | 96.111   | 427.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HP Martin Luther Kingstraat 32 3274CK Heinenoord |      | 92.471   | 427.036   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HQ Dreeshof 1 3274CC Heinenoord                  |      | 92.521   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hq Achterzeedijk 61 b 2992SB Barendrecht         |      | 95.750   | 427.757   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HR Buitenlanden 8 3274MB Heinenoord              |      | 92.927   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hr Achterzeedijk 56 2992SC Barendrecht           |      | 95.856   | 427.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HS Heyne van Althenastraat 14 3274CD Heinenoord  |      | 92.431   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hS Achterzeedijk 73 2992SB Barendrecht           |      | 95.698   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HT Prof. Teldersstraat 11 3274CZ Heinenoord      |      | 92.799   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hT Achterzeedijk 50 2992SC Barendrecht           |      | 95.894   | 427.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hU Gorzenweg 10 3274LL Heinenoord                |      | 94.688   | 426.134   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HU Prof. Teldersstraat 16 3274MC Heinenoord      |      | 92.832   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hv John F. Kennedystraat 41 3274CG Heinenoord    |      | 92.519   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hV Gorzenweg 8 3274LL Heinenoord                 |      | 94.759   | 426.128   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hW Mollekade 31 3274LN Heinenoord                |      | 94.641   | 426.106   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HW Rietwaard 17 3274MA Heinenoord                |      | 92.876   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hX Mollekade 32 3274LP Heinenoord                |      | 94.741   | 426.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HX Koomansland 26 3274CJ Heinenoord              |      | 92.411   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hY Boonsweg 44 3274LH Heinenoord                 |      | 95.724   | 426.443   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HY Wouter van den Walestr 32 3274CR Heinenoord   |      | 92.333   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HZ Avenhil 14 3274CT Heinenoord                  |      | 92.676   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hZ Gorzenweg 6 A 3274LL Heinenoord               |      | 95.324   | 426.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| I Reedijk 1 A 3274KE Heinenoord                  |      | 93.788   | 425.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •I Achterzeedijk 1 a 35 2991SB Barendrecht       |      | 97.194   | 427.540   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Avenhil 3 3274CT Heinenoord                   |      | 92.659   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iA Zomerlandseweg 9 3274LX Heinenoord            |      | 94.414   | 426.121   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB John F. Kennedystraat 40 3274CG Heinenoord    |      | 92.806   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Mollekade 29 3274LN Heinenoord                |      | 94.637   | 426.065   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iC Mollekade 28 3274LP Heinenoord                |      | 94.717   | 426.285   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Wouter van den Walestr 72 3274CS Heinenoord   |      | 92.370   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| ID  | Dreeshof 9 3274CC Heinenoord                  | 92.522   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iD  | Mollekade 39 3274LN Heinenoord                | 94.670   | 426.219   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE  | Thorbeckehof 1 3274CP Heinenoord              | 92.607   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iE  | Mollekade 41 3274LN Heinenoord                | 94.681   | 426.298   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF  | Spuivelden 25 3274CM Heinenoord               | 92.577   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iF  | Mollekade 47 3274LN Heinenoord                | 94.713   | 426.397   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG  | Mollekade 45 3274LN Heinenoord                | 94.691   | 426.338   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG  | Wiardi Beckmanhof 8 3274CX Heinenoord         | 92.657   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH  | Talmahof 4 3274CN Heinenoord                  | 92.489   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 95.361   | 426.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 92.663   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ii  | Mollekade 43 3274LN Heinenoord                | 94.680   | 426.316   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 92.732   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 95.315   | 426.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | De Laagjes 12 3274CB Heinenoord               | 92.464   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | Mollekade 35 3274LN Heinenoord                | 94.652   | 426.161   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 95.481   | 425.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL  | Talmahof 11 3274CN Heinenoord                 | 92.436   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 92.604   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 94.940   | 426.314   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 92.852   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 95.240   | 425.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 92.561   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 93.458   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP  | Koimansland 32 3274CJ Heinenoord              | 92.446   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iP  | Stekkant 40 2993DB Barendrecht                | 94.060   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 92.780   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iQ  | Stekkant 33 2993DB Barendrecht                | 93.963   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Spieringwater 12 2993DM Barendrecht           | 94.127   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kalesland 52 3274CH Heinenoord                | 92.569   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iS  | Koedood 6 a 2993AL Barendrecht                | 93.774   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 92.500   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Avenhil 15 3274CT Heinenoord                  | 92.671   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iT  | Stekkant 107 2993DB Barendrecht               | 94.069   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 93.455   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 92.662   | 427.016   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 93.614   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Kalesland 19 3274CH Heinenoord                | 92.555   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iW  | Stekkant 2 2993DB Barendrecht                 | 93.941   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 92.203   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iX  | Müllerhaven 32 2993EA Barendrecht             | 93.829   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 92.472   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iY  | Oranjestraat 11 B 3274AK Heinenoord           | 92.164   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iY  | Calandhaven 3 2993HL Barendrecht              | 93.498   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iZ  | Stekkant 87 2993DB Barendrecht                | 94.073   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 92.579   | 426.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 93.524   | 425.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 97.189   | 427.522   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 92.513   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ja  | Meeshaven 5 2993HN Barendrecht                | 93.652   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 92.877   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Smithaven 4 2993EC Barendrecht                | 93.830   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Emmastraat 11 3274AC Heinenoord               | 92.253   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | Stekkant 13 2993DB Barendrecht                | 93.962   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 92.654   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 92.364   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| je  | Krölleghaven 12 2993ED Barendrecht            | 93.733   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Avenhil 9 3274CT Heinenoord                   | 92.633   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Stekkant 51 2993DB Barendrecht                | 93.956   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | De Laagjes 23 3274CB Heinenoord               | 92.499   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | Zalmwater 143 2993DX Barendrecht              | 94.104   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 92.194   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| jH  | Van Hobokenhaven 43 2993HH Barendrecht        | 93.455   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jI  | Müllerhaven 70 2993EA Barendrecht             | 93.830   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JI  | Rietwaard 20 3274MA Heinenoord                | 92.863   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jj  | Stekkant 89 2993DB Barendrecht                | 94.071   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 92.237   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jk  | Müllerhaven 36 2993EA Barendrecht             | 93.833   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 92.832   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 92.537   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jl  | Stekkant 73 2993DB Barendrecht                | 93.961   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 92.403   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jm  | Aalwater 20 2993DD Barendrecht                | 93.999   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jN  | Stekkant 111 2993DB Barendrecht               | 94.073   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 92.783   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Smithaven 6 2993EC Barendrecht                | 93.821   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Oosteinde 45 3274KB Heinenoord                | 92.627   | 426.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 92.369   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 92.291   | 426.989   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Smithaven 35 2993EC Barendrecht               | 93.707   | 428.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 92.439   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 93.824   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Stekkant 127 2993DB Barendrecht               | 94.066   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Kalesland 32 3274CH Heinenoord                | 92.533   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Van Hobokenhaven 61 2993HH Barendrecht        | 93.459   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Talmahof 2 3274CN Heinenoord                  | 92.489   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jU  | Smithaven 18 2993EC Barendrecht               | 93.764   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 92.213   | 426.773   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | Swarttouwhaven 52 2993HP Barendrecht          | 93.503   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 92.871   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Kabbelkant 6 2993DC Barendrecht               | 94.010   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 92.519   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Meeshaven 7 2993HN Barendrecht                | 93.653   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 92.331   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 92.531   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 92.292   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 93.579   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 93.552   | 425.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 97.186   | 427.580   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 93.497   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Talmahof 8 3274CN Heinenoord                  | 92.490   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 93.497   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Irenestraat 28 3274AE Heinenoord              | 92.285   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 92.501   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Van Hobokenhaven 27 2993HH Barendrecht        | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 92.239   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 92.522   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 93.859   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 93.583   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 92.401   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Stekkant 147 2993DB Barendrecht               | 94.069   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Emmastraat 30 3274AC Heinenoord               | 92.214   | 426.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 92.354   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Van Hobokenhaven 59 2993HH Barendrecht        | 93.454   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Aalwater 4 2993DD Barendrecht                 | 93.959   | 428.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Emmastraat 32 3274AC Heinenoord               | 92.208   | 426.810   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 92.289   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 93.761   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | De Laagjes 21 3274CB Heinenoord               | 92.500   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | Aalwater 19 2993DD Barendrecht                | 94.000   | 428.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Steurwater 13 2993DE Barendrecht              | 93.944   | 428.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 92.887   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                            | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| KM Irenestraat 3               | 3274AD Heinenoord    | 92.236   | 426.951   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KM Vederhaven 3                | 2993EB Barendrecht   | 93.772   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Van Hobokenhaven 39         | 2993HH Barendrecht   | 93.459   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Irenestraat 36              | 3274AE Heinenoord    | 92.272   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Emmastraat 20               | 3274AC Heinenoord    | 92.289   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Müllerhaven 8               | 2993EA Barendrecht   | 93.832   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Steekkant 129               | 2993DB Barendrecht   | 94.067   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Oosteinde 41                | 3274KB Heinenoord    | 92.653   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ Steekkant 149               | 2993DB Barendrecht   | 94.067   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ John F. Kennedystraat 35    | 3274CG Heinenoord    | 92.502   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Avenhil 30                  | 3274CT Heinenoord    | 92.734   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Smithaven 59                | 2993EC Barendrecht   | 93.702   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS Ruyshaven 4                 | 2993HM Barendrecht   | 93.551   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS John F. Kennedystraat 55    | 3274CG Heinenoord    | 92.593   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Martin Luther Kingstraat 34 | 3274CL Heinenoord    | 92.495   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Swarttouwhaven 10           | 2993HP Barendrecht   | 93.585   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Steekkant 109               | 2993DB Barendrecht   | 94.071   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Koomansland 6               | 3274CJ Heinenoord    | 92.414   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Boerengorzen 8              | 3274CV Heinenoord    | 92.749   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Müllerhaven 42              | 2993EA Barendrecht   | 93.833   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kW Müllerhaven 48              | 2993EA Barendrecht   | 93.826   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KW Margrietstraat 20           | 3274AH Heinenoord    | 92.329   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Dorpsstraat 1 A             | 3274BB Heinenoord    | 92.553   | 426.618   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Kröllerhaven 53             | 2993ED Barendrecht   | 93.744   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY Steekkant 57                | 2993DB Barendrecht   | 93.962   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY John F. Kennedystraat 5     | 3274CG Heinenoord    | 92.402   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kalesland 72                | 3274CH Heinenoord    | 92.605   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kröllerhaven 23             | 2993ED Barendrecht   | 93.860   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| L Reedijk 2                    | 3274KE Heinenoord    | 93.694   | 425.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •L Achterzeedijk 1 a 38        | 2991SB Barendrecht   | 97.175   | 427.568   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LA John F. Kennedystraat 67    | 3274CG Heinenoord    | 92.708   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Ruyshaven 8                 | 2993HM Barendrecht   | 93.556   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LB Wouter van den Walestr      | 28 3274CR Heinenoord | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Swarttouwhaven 44           | 2993HP Barendrecht   | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Müllerhaven 56              | 2993EA Barendrecht   | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LC Dreeshof 11                 | 3274CC Heinenoord    | 92.522   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LD John F. Kennedystraat 22    | 3274CG Heinenoord    | 92.736   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ID Steekkant 22                | 2993DB Barendrecht   | 94.033   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LE Kalesland 18                | 3274CH Heinenoord    | 92.498   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE Meeshaven 2                 | 2993HN Barendrecht   | 93.625   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF Aalwater 14                 | 2993DD Barendrecht   | 93.984   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LF Koomansland 18              | 3274CJ Heinenoord    | 92.388   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG Steekkant 55                | 2993DB Barendrecht   | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LG Boerengorzen 4              | 3274CV Heinenoord    | 92.749   | 426.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LH Julianalaan 40              | 3274AG Heinenoord    | 92.149   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH Steekkant 77                | 2993DB Barendrecht   | 93.966   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II Steekkant 115               | 2993DB Barendrecht   | 94.076   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LI John F. Kennedystraat 13    | 3274CG Heinenoord    | 92.408   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ Kröllerhaven 37             | 2993ED Barendrecht   | 93.819   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LJ Rietwaard 24                | 3274MA Heinenoord    | 92.894   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK Kröllerhaven 39             | 2993ED Barendrecht   | 93.810   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LK Heyne van Althenastraat 30  | 3274CD Heinenoord    | 92.525   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LL Kalesland 7                 | 3274CH Heinenoord    | 92.523   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL Swarttouwhaven 30           | 2993HP Barendrecht   | 93.498   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LM Julianalaan 46              | 3274AG Heinenoord    | 92.159   | 427.083   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM Steekkant 19                | 2993DB Barendrecht   | 93.966   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LN Marijkestraat 1 B           | 3274AJ Heinenoord    | 92.231   | 427.075   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN Steekkant 12                | 2993DB Barendrecht   | 93.974   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO Müllerhaven 24              | 2993EA Barendrecht   | 93.834   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LO Irenestraat 10              | 3274AE Heinenoord    | 92.256   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP Spieringwater 8             | 2993DM Barendrecht   | 94.126   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LP Wiardi Beckmanhof 7         | 3274CX Heinenoord    | 92.663   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ Kröllerhaven 51             | 2993ED Barendrecht   | 93.754   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| LQ  | Spuivelden 8 3274CM Heinenoord                | 92.576   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord      | 92.853   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kabbelkant 2 2993DC Barendrecht               | 94.009   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Steekkant 10 2993DB Barendrecht               | 93.969   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LS  | Beatrixstraat 34 3274AA Heinenoord            | 92.201   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LT  | Marijkestraat 2 3274AJ Heinenoord             | 92.226   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Swarttouwhaven 20 2993HP Barendrecht          | 93.499   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord | 92.420   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Kabbelkant 8 2993DC Barendrecht               | 94.011   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Koedood 8 2993AL Barendrecht                  | 93.740   | 428.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LV  | Rietwaard 5 3274MA Heinenoord                 | 92.841   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord   | 92.438   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Kröllehaven 41 2993ED Barendrecht             | 93.800   | 428.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LX  | Rietwaard 6 3274MA Heinenoord                 | 92.809   | 426.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Steekkant 63 2993DB Barendrecht               | 93.955   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord    | 92.799   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY  | Steekkant 101 2993DB Barendrecht              | 94.071   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LZ  | Avenhil 36 3274CT Heinenoord                  | 92.723   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Steekkant 1 2993DB Barendrecht                | 93.956   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| M   | Reedijk 3 3274KE Heinenoord                   | 93.749   | 425.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht       | 97.168   | 427.550   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MA  | Irenestraat 26 3274AE Heinenoord              | 92.279   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mA  | Müllerhaven 58 2993EA Barendrecht             | 93.825   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mb  | Steekkant 15 2993DB Barendrecht               | 93.960   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord       | 92.800   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mC  | Müllerhaven 12 2993EA Barendrecht             | 93.833   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MC  | Oranjestraat 26 3274AK Heinenoord             | 92.200   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mD  | Steekkant 133 2993DB Barendrecht              | 94.075   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MD  | Avenhil 23 3274CT Heinenoord                  | 92.710   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mE  | Aalwater 13 2993DD Barendrecht                | 93.982   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ME  | Dorpsstraat 1 3274BB Heinenoord               | 92.476   | 426.622   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mF  | Swarttouwhaven 24 2993HP Barendrecht          | 93.499   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MF  | Kalesland 58 3274CH Heinenoord                | 92.596   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord   | 92.361   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mG  | Steekkant 37 2993DB Barendrecht               | 93.964   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mH  | Kabbelkant 4 2993DC Barendrecht               | 94.010   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MH  | Irenestraat 48 3274AE Heinenoord              | 92.309   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Avenhil 13 3274CT Heinenoord                  | 92.682   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Steurwater 5 2993DE Barendrecht               | 93.941   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mJ  | Vederhaven 11 2993EB Barendrecht              | 93.751   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MJ  | Kalesland 1 3274CH Heinenoord                 | 92.524   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mK  | Swarttouwhaven 48 2993HP Barendrecht          | 93.496   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MK  | Koomansland 5 3274CJ Heinenoord               | 92.449   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ML  | Margrietstraat 9 3274AH Heinenoord            | 92.288   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mL  | Steekkant 153 2993DB Barendrecht              | 94.065   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MM  | Emmastraat 16 3274AC Heinenoord               | 92.279   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mm  | Steekkant 24 2993DB Barendrecht               | 94.031   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MN  | Irenestraat 1 3274AD Heinenoord               | 92.232   | 426.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mN  | Steekkant 16 2993DB Barendrecht               | 93.985   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mO  | Steekkant 14 2993DB Barendrecht               | 93.980   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MO  | Avenhil 10 3274CT Heinenoord                  | 92.633   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MP  | Spuivelden 15 3274CM Heinenoord               | 92.578   | 426.840   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mP  | Smithaven 2 2993EC Barendrecht                | 93.839   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord        | 92.700   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mQ  | Aalwater 8 2993DD Barendrecht                 | 93.969   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MR  | Talmahof 9 3274CN Heinenoord                  | 92.435   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mR  | Steekkant 53 2993DB Barendrecht               | 93.959   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mS  | Smithaven 43 2993EC Barendrecht               | 93.705   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MS  | Beatrixstraat 48 3274AA Heinenoord            | 92.211   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mT  | Müllerhaven 72 2993EA Barendrecht             | 93.832   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MT  | De Laagjes 26 3274CB Heinenoord               | 92.515   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MU  | Bernhardstraat 6 3274AB Heinenoord            | 92.233   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mU  | Smithaven 14 2993EC Barendrecht               | 93.783   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| MV Wiardi Beckmanhof 11        | 3274CX Heinenoord  | 92.674   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mV Van Hobokenhaven 45         | 2993HH Barendrecht | 93.458   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mW Steekkant 48                | 2993DB Barendrecht | 94.081   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MW Julianalaan 42              | 3274AG Heinenoord  | 92.154   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MX De Laagjes 22               | 3274CB Heinenoord  | 92.502   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mX Steekkant 75                | 2993DB Barendrecht | 93.957   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mY Steekkant 91                | 2993DB Barendrecht | 94.069   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MY Koomansland 13              | 3274CJ Heinenoord  | 92.469   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mZ Aalwater 18                 | 2993DD Barendrecht | 93.994   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MZ Kalesland 46                | 3274CH Heinenoord  | 92.560   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| N Blaaksedijk West 31          | 3274LD Heinenoord  | 94.016   | 425.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht | 97.158   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NA Spuivelden 9                | 3274CM Heinenoord  | 92.530   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nA Aalwater 16                 | 2993DD Barendrecht | 93.989   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nB Steekkant 17                | 2993DB Barendrecht | 93.960   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord  | 92.525   | 426.966   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NC Irenestraat 20              | 3274AE Heinenoord  | 92.261   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nC Zalmwater 155               | 2993DX Barendrecht | 94.060   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ND Oranjestraat 31             | 3274AK Heinenoord  | 92.285   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nd Müllerhaven 60              | 2993EA Barendrecht | 93.830   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nE Swarttouwhaven 18           | 2993HP Barendrecht | 93.502   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NE Kalesland 28                | 3274CH Heinenoord  | 92.525   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nF Zalmwater 151               | 2993DX Barendrecht | 94.079   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord  | 92.561   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord  | 92.868   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht | 93.456   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nH Smithaven 33                | 2993EC Barendrecht | 93.708   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NH Dorpsstraat 7               | 3274BB Heinenoord  | 92.395   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nI Müllerhaven 4               | 2993EA Barendrecht | 93.828   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NI Kalesland 64                | 3274CH Heinenoord  | 92.596   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nJ Smithaven 39                | 2993EC Barendrecht | 93.706   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NJ Andries Woutershof 8        | 3274CA Heinenoord  | 92.473   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NK Beatrixstraat 23            | 3274AA Heinenoord  | 92.186   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nK Müllerhaven 10              | 2993EA Barendrecht | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord  | 92.800   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nL Steekkant 131               | 2993DB Barendrecht | 94.069   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NM Oosteinde 24                | 3274KC Heinenoord  | 92.685   | 426.638   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nN Steekkant 23                | 2993DB Barendrecht | 93.955   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord  | 92.801   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NO Koomansland 1               | 3274CJ Heinenoord  | 92.450   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nO Steekkant 50                | 2993DB Barendrecht | 94.087   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NP Buitenlanden 21             | 3274MB Heinenoord  | 92.902   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nP Steekkant 20                | 2993DB Barendrecht | 93.995   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nQ Müllerhaven 64              | 2993EA Barendrecht | 93.835   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NQ Marliquestraat 9            | 3274AJ Heinenoord  | 92.285   | 427.067   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nR Kröllerhaven 15             | 2993ED Barendrecht | 93.862   | 428.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord  | 92.788   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nS Steekkant 79                | 2993DB Barendrecht | 93.961   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord  | 92.808   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NT Kalesland 6                 | 3274CH Heinenoord  | 92.480   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nT Steekkant 35                | 2993DB Barendrecht | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nU Kröllerhaven 33             | 2993ED Barendrecht | 93.837   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NU Koomansland 2               | 3274CJ Heinenoord  | 92.415   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord  | 92.742   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nV Swarttouwhaven 38           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord  | 92.453   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nW Kabbelkant 16               | 2993DC Barendrecht | 94.014   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht | 93.458   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NX Oosteinde 16                | 3274KC Heinenoord  | 92.757   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NY Irenestraat 19              | 3274AD Heinenoord  | 92.246   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nY Meeshaven 18                | 2993HN Barendrecht | 93.637   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NZ Bernhardstraat 4            | 3274AB Heinenoord  | 92.227   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| nZ Ruyshaven 7                 | 2993HM Barendrecht | 93.583   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| O Blaaksedijk West 32          | 3274LE Heinenoord  | 93.953   | 425.690   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht | 97.153   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OA Boerengorzen 2              | 3274CV Heinenoord  | 92.753   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oA Müllerhaven 62              | 2993EA Barendrecht | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oB Smithaven 27                | 2993EC Barendrecht | 93.709   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord  | 92.386   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oC Aalwater 21                 | 2993DD Barendrecht | 94.015   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord  | 92.824   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oD Swarttouwhaven 56           | 2993HP Barendrecht | 93.506   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OD Irenestraat 44              | 3274AE Heinenoord  | 92.296   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OE Kalesland 22                | 3274CH Heinenoord  | 92.508   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oE Van Hobokenhaven 21         | 2993HH Barendrecht | 93.453   | 428.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OF Marijkestraat 4             | 3274AJ Heinenoord  | 92.232   | 427.051   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oF Kröllerhaven 27             | 2993ED Barendrecht | 93.859   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OG Wiardi Beckmanhof 1         | 3274CX Heinenoord  | 92.661   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oG Kröllerhaven 19             | 2993ED Barendrecht | 93.861   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OH Emmastraat 2 F              | 3274AC Heinenoord  | 92.220   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oH Ruyshaven 2                 | 2993HM Barendrecht | 93.551   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OI Koomansland 22              | 3274CJ Heinenoord  | 92.398   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oI Koedood 2 b                 | 2993AL Barendrecht | 93.846   | 428.476   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ Prof. Teldersstraat 26      | 3274MC Heinenoord  | 92.857   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oJ Swarttouwhaven 60           | 2993HP Barendrecht | 93.501   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OK Avenhil 12                  | 3274CT Heinenoord  | 92.653   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oK Müllerhaven 28              | 2993EA Barendrecht | 93.834   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oL Spieringwater 14            | 2993DM Barendrecht | 94.128   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OL Martin Luther Kingstraat 46 | 3274CL Heinenoord  | 92.532   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oM Aalwater 7                  | 2993DD Barendrecht | 93.967   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OM Heyne van Althenastraat 10  | 3274CD Heinenoord  | 92.434   | 426.746   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oN Steekkant 34                | 2993DB Barendrecht | 94.029   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ON Rietwaard 10                | 3274MA Heinenoord  | 92.812   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oO Steekkant 61                | 2993DB Barendrecht | 93.965   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OO Martin Luther Kingstraat 62 | 3274CL Heinenoord  | 92.599   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OP Avenhil 40                  | 3274CT Heinenoord  | 92.701   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oP Steekkant 167               | 2993DB Barendrecht | 94.129   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OQ Emmastraat 28               | 3274AC Heinenoord  | 92.225   | 426.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oQ Van Hobokenhaven 57         | 2993HH Barendrecht | 93.462   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oR Steekkant 159               | 2993DB Barendrecht | 94.069   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OR Avenhil 16                  | 3274CT Heinenoord  | 92.666   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OS Irenestraat 46              | 3274AE Heinenoord  | 92.303   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oS Kröllerhaven 21             | 2993ED Barendrecht | 93.860   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oT Ruyshaven 6                 | 2993HM Barendrecht | 93.555   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OT Kalesland 5                 | 3274CH Heinenoord  | 92.524   | 426.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OU Oranjestraat 29             | 3274AK Heinenoord  | 92.278   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oU Koedood 18                  | 2993AL Barendrecht | 93.530   | 428.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OV Prof. Teldersstraat 49      | 3274MC Heinenoord  | 92.877   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oV Van Hobokenhaven 67         | 2993HH Barendrecht | 93.452   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oW Swarttouwhaven 54           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OW Irenestraat 16              | 3274AE Heinenoord  | 92.260   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oX Kabbelkant 10               | 2993DC Barendrecht | 94.011   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OX De Laagjes 16               | 3274CB Heinenoord  | 92.486   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oY Smithaven 8                 | 2993EC Barendrecht | 93.812   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OY Wouter van den Walestr 52   | 3274CS Heinenoord  | 92.362   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oZ Müllerhaven 26              | 2993EA Barendrecht | 93.828   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ Martin Luther Kingstraat 24 | 3274CK Heinenoord  | 92.451   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| P Blaaksedijk West 33          | 3274LD Heinenoord  | 94.002   | 425.633   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •P Achterzeedijk 1 a 42        | 2991SB Barendrecht | 97.152   | 427.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PA Wouter van den Walestr 76   | 3274CS Heinenoord  | 92.366   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pA Steekkant 163               | 2993DB Barendrecht | 94.078   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pB Steekkant 93                | 2993DB Barendrecht | 94.071   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PB Avenhil 20                  | 3274CT Heinenoord  | 92.705   | 426.937   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PC Martin Luther Kingstraat 10 | 3274CK Heinenoord  | 92.408   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pC Van Hobokenhaven 23         | 2993HH Barendrecht | 93.453   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 92.335   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 93.504   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pE  | Stekkant 32 2993DB Barendrecht                | 94.029   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 92.867   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pF  | Stekkant 99 2993DB Barendrecht                | 94.073   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 92.780   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pG  | Smithaven 10 2993EC Barendrecht               | 93.803   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 92.678   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pH  | Aalwater 1 2993DD Barendrecht                 | 93.941   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PH  | Rietwaard 2 3274MA Heinenoord                 | 92.810   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 92.729   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pI  | Stekkant 161 2993DB Barendrecht               | 94.077   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pJ  | Kröllerhaven 2 2993ED Barendrecht             | 93.779   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 92.235   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pK  | Smithaven 21 2993EC Barendrecht               | 93.710   | 428.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 92.831   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PL  | Kalesland 10 3274CH Heinenoord                | 92.480   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PM  | Avenhil 6 3274CT Heinenoord                   | 92.633   | 426.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pM  | Stekkant 139 2993DB Barendrecht               | 94.077   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pN  | Zalmwater 139 2993DX Barendrecht              | 94.117   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 92.788   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pO  | Kröllerhaven 47 2993ED Barendrecht            | 93.772   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PO  | Kalesland 26 3274CH Heinenoord                | 92.519   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pP  | Stekkant 9 2993DB Barendrecht                 | 93.960   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 92.831   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 92.464   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 93.972   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PR  | Hermannushof 10 3274CE Heinenoord             | 92.535   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pR  | Stekkant 95 2993DB Barendrecht                | 94.073   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 93.571   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 92.498   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pT  | Smithaven 25 2993EC Barendrecht               | 93.709   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 92.330   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 92.578   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 93.542   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pV  | Smithaven 23 2993EC Barendrecht               | 93.710   | 428.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PV  | Irenestraat 12 3274AE Heinenoord              | 92.258   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pW  | Stekkant 28 2993DB Barendrecht                | 94.030   | 428.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 92.624   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 93.834   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 92.433   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pY  | Stekkant 5 2993DB Barendrecht                 | 93.956   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 92.831   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 92.213   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Q   | Blaaksedijk West 47 3274LD Heinenoord         | 93.612   | 425.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 97.150   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 93.827   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 92.860   | 426.635   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QB  | Koimansland 12 3274CJ Heinenoord              | 92.405   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qb  | Stekkant 6 2993DB Barendrecht                 | 93.959   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 92.202   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qC  | Stekkant 25 2993DB Barendrecht                | 93.961   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QD  | Avenhil 11 3274CT Heinenoord                  | 92.633   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qD  | Smithaven 51 2993EC Barendrecht               | 93.704   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QE  | De Laagjes 17 3274CB Heinenoord               | 92.501   | 426.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qE  | Müllerhaven 22 2993EA Barendrecht             | 93.830   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Stekkant 143 2993DB Barendrecht               | 94.073   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Marijkestraat 7 3274AJ Heinenoord             | 92.278   | 427.068   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 93.557   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QG  | Avenhil 34 3274CT Heinenoord                  | 92.711   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qH  | Stekkant 7 2993DB Barendrecht                 | 93.956   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| QH  | Koomansland 14 3274CJ Heinenoord              | 92.405   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QI  | Irenestraat 13 3274AD Heinenoord              | 92.242   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qI  | Stekkant 45 2993DB Barendrecht                | 93.958   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ  | Martin Luther Kingstraat 68 3274CL Heinenoord | 92.619   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qJ  | Koedood 25 2993AL Barendrecht                 | 93.183   | 428.725   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord      | 92.799   | 427.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qK  | Stekkant 47 2993DB Barendrecht                | 93.955   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QL  | Andries Woutershof 24 3274CA Heinenoord       | 92.503   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qL  | Aalwater 10 2993DD Barendrecht                | 93.974   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht        | 93.463   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QM  | De Laagjes 19 3274CB Heinenoord               | 92.500   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QN  | Kalesland 38 3274CH Heinenoord                | 92.540   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qN  | Müllerhaven 46 2993EA Barendrecht             | 93.827   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qO  | Müllerhaven 68 2993EA Barendrecht             | 93.835   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QO  | Marijkestraat 21 3274AJ Heinenoord            | 92.328   | 427.057   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qP  | Steurwater 1 2993DE Barendrecht               | 93.940   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QP  | De Laagjes 4 3274CB Heinenoord                | 92.440   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord    | 92.428   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qQ  | Koedood 6 2993AL Barendrecht                  | 93.795   | 428.465   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qR  | Zalmwater 157 2993DX Barendrecht              | 94.060   | 428.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QR  | Bernhardstraat 3 3274AB Heinenoord            | 92.201   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qS  | Spieringwater 4 2993DM Barendrecht            | 94.126   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QS  | Oosteinde 37 3274KB Heinenoord                | 92.676   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QT  | De Laagjes 28 3274CB Heinenoord               | 92.520   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qT  | Spieringwater 10 2993DM Barendrecht           | 94.127   | 428.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QU  | Thorbeckehof 3 3274CP Heinenoord              | 92.607   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qU  | Spieringwater 2 2993DM Barendrecht            | 94.125   | 428.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qV  | Stekkant 54 2993DB Barendrecht                | 94.098   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QV  | De Laagjes 20 3274CB Heinenoord               | 92.498   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QW  | Buitelanden 4 3274MB Heinenoord               | 92.916   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qW  | Swarttouwhaven 62 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord        | 92.700   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qX  | Steurwater 11 2993DE Barendrecht              | 93.942   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QY  | Emmastraat 2 E 3274AC Heinenoord              | 92.225   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qY  | Swarttouwhaven 36 2993HP Barendrecht          | 93.503   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qZ  | Kabbelkant 14 2993DC Barendrecht              | 94.012   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QZ  | Koomansland 8 3274CJ Heinenoord               | 92.414   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| R   | Blaaksedijk West 24 3274LE Heinenoord         | 94.107   | 425.624   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht       | 97.144   | 427.538   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord    | 92.496   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rA  | Stekkant 41 2993DB Barendrecht                | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rB  | Stekkant 81 2993DB Barendrecht                | 93.962   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RB  | Boerengorzen 3 3274CV Heinenoord              | 92.780   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RC  | Kalesland 70 3274CH Heinenoord                | 92.605   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rC  | Koedood 14 2993AL Barendrecht                 | 93.601   | 428.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rD  | Müllerhaven 40 2993EA Barendrecht             | 93.825   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord        | 92.765   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rE  | Aalwater 11 2993DD Barendrecht                | 93.977   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RE  | Avenhil 28 3274CT Heinenoord                  | 92.724   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rF  | Smithaven 37 2993EC Barendrecht               | 93.707   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RF  | Oosteinde 22 3274KC Heinenoord                | 92.697   | 426.642   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht        | 93.460   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RG  | Andries Woutershof 16 3274CA Heinenoord       | 92.494   | 426.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rH  | Aalwater 15 2993DD Barendrecht                | 93.987   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord      | 92.873   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rI  | Stekkant 85 2993DB Barendrecht                | 94.010   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RI  | Emmastraat 34 3274AC Heinenoord               | 92.196   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rJ  | Zalmwater 141 2993DX Barendrecht              | 94.111   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RJ  | Oranjestraat 23 3274AK Heinenoord             | 92.259   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord    | 92.862   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rL  | Smithaven 12 2993EC Barendrecht               | 93.794   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RL  | Stekkant 44 2993DB Barendrecht                | 94.071   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord  | 92.428   | 426.723   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                            | Name                | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|---------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                     |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| RM Oranjestraat 17             | 3274AK Heinenoord   | 92.221   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rM Steekkant 4                 | 2993DB Barendrecht  | 93.954   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RN Buitenlanden 13             | 3274MB Heinenoord   | 92.894   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rN Van Hobokenhaven 37         | 2993HH Barendrecht  | 93.460   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RO Bernhardstraat 2            | 3274AB Heinenoord   | 92.220   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rO Van Hobokenhaven 19         | 2993HH Barendrecht  | 93.459   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RP Buitenlanden 17             | 3274MB Heinenoord   | 92.902   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rP Calandhaven 1               | 2993HL Barendrecht  | 93.488   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rQ Koedood 22                  | 2993AL Barendrecht  | 93.468   | 428.458   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RQ Marijkestraat 1             | C 3274AJ Heinenoord | 92.240   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RR Irenestraat 40              | 3274AE Heinenoord   | 92.284   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rR Aalwater 2                  | 2993DD Barendrecht  | 93.946   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rS Steekkant 103               | 2993DB Barendrecht  | 94.069   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RS Bernhardstraat 16           | 3274AB Heinenoord   | 92.264   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RT Buitenlanden 12             | 3274MB Heinenoord   | 92.929   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rT Aalwater 5                  | 2993DD Barendrecht  | 93.962   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rU Kröllerhaven 31             | 2993ED Barendrecht  | 93.857   | 428.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RU Wouter van den Walestr 26   | 3274CR Heinenoord   | 92.329   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rV Smithaven 53                | 2993EC Barendrecht  | 93.703   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RV Boerengorzen 9              | 3274CV Heinenoord   | 92.781   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rW Müllerhaven 30              | 2993EA Barendrecht  | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RW Emmastraat 3                | 3274AC Heinenoord   | 92.223   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rX Swarttouwhaven 58           | 2993HP Barendrecht  | 93.503   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RX De Laagjes 2                | 3274CB Heinenoord   | 92.436   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rY Vederhaven 15               | 2993EB Barendrecht  | 93.740   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RY Koomansland 28              | 3274CJ Heinenoord   | 92.417   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rZ Smithaven 57                | 2993EC Barendrecht  | 93.703   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RZ Prof. Teldersstraat 31      | 3274MC Heinenoord   | 92.850   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| S Reedijs 3 A                  | 3274KE Heinenoord   | 93.739   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •S Achterzeedijk 1 a 45        | 2991SB Barendrecht  | 97.138   | 427.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sA Swarttouwhaven 26           | 2993HP Barendrecht  | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SA Wouter van den Walestr 18   | 3274CR Heinenoord   | 92.333   | 426.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SB Oranjestraat 15             | 3274AK Heinenoord   | 92.215   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sB Smithaven 29                | 2993EC Barendrecht  | 93.708   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SC Heyne van Althenastraat 26  | 3274CD Heinenoord   | 92.476   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sC Steekkant 145               | 2993DB Barendrecht  | 94.071   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SD Martin Luther Kingstraat 48 | 3274CL Heinenoord   | 92.538   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sD Aalwater 3                  | 2993DD Barendrecht  | 93.957   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SE Willém de Zwijgerstraat 8   | 3274AL Heinenoord   | 92.161   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sE Zalmwater 153               | 2993DX Barendrecht  | 94.071   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SF John F. Kennedystraat 36    | 3274CG Heinenoord   | 92.809   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sF Vederhaven 17               | 2993EB Barendrecht  | 93.734   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SG Wouter van den Walestr 44   | 3274CS Heinenoord   | 92.362   | 426.956   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sG Swarttouwhaven 34           | 2993HP Barendrecht  | 93.503   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SH Wiardi Beckmanhof 12        | 3274CX Heinenoord   | 92.678   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sH Müllerhaven 76              | 2993EA Barendrecht  | 93.836   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SI Margrietstraat 14           | 3274AH Heinenoord   | 92.322   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sI Meeshaven 14                | 2993HN Barendrecht  | 93.628   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sJ Smithaven 20                | 2993EC Barendrecht  | 93.755   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SJ Prof. Teldersstraat 43      | 3274MC Heinenoord   | 92.877   | 427.033   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK De Laagjes 18               | 3274CB Heinenoord   | 92.492   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK Steekkant 123               | 2993DB Barendrecht  | 94.069   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SL Wouter van den Walestr 56   | 3274CS Heinenoord   | 92.364   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sL Steekkant 59                | 2993DB Barendrecht  | 93.954   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sM Steekkant 39                | 2993DB Barendrecht  | 93.956   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SM Zomerlandseweg 2            | 3274LX Heinenoord   | 92.961   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sN Müllerhaven 66              | 2993EA Barendrecht  | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SN Spuivelden 21               | 3274CM Heinenoord   | 92.578   | 426.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sO Steurwater 7                | 2993DE Barendrecht  | 93.941   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SO Koomansland 36              | 3274CJ Heinenoord   | 92.445   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SP John F. Kennedystraat 7     | 3274CG Heinenoord   | 92.402   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sP Steekkant 155               | 2993DB Barendrecht  | 94.065   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sQ Meeshaven 8                 | 2993HN Barendrecht  | 93.626   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                               | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                   |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| SO Hermannushof 24                | 3274CE Heinenoord  | 92.579   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sR Steekkant 27                   | 2993DB Barendrecht | 93.957   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SR Koomansland 11                 | 3274CJ Heinenoord  | 92.465   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sS Aalwater 17                    | 2993DD Barendrecht | 93.993   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SS Hermannushof 26                | 3274CE Heinenoord  | 92.580   | 426.727   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sT Steekkant 119                  | 2993DB Barendrecht | 94.073   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ST Oosteinde 28                   | 3274KC Heinenoord  | 92.662   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SU Irenestraat 21                 | 3274AD Heinenoord  | 92.247   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sU Kröllerhaven 4                 | 2993ED Barendrecht | 93.770   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sV Ruyshaven 9                    | 2993HM Barendrecht | 93.582   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SV Bernhardstraat 12              | 3274AB Heinenoord  | 92.250   | 426.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SW Spuivelden 2                   | 3274CM Heinenoord  | 92.560   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sW Spieringwater 6                | 2993DM Barendrecht | 94.126   | 428.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SX Emmastraat 26                  | 3274AC Heinenoord  | 92.231   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sX Swarttouwhaven 28              | 2993HP Barendrecht | 93.495   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SY Rietwaard 1                    | 3274MA Heinenoord  | 92.843   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sY Ruyshaven 11                   | 2993HM Barendrecht | 93.583   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sZ Swarttouwhaven 66              | 2993HP Barendrecht | 93.499   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SZ John F. Kennedystraat 26       | 3274CG Heinenoord  | 92.782   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| T Blaaksedijk West 43             | 3274LD Heinenoord  | 93.856   | 425.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •T Achterzeedijk 1 a 46           | 2991SB Barendrecht | 97.131   | 427.584   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tA Van Hobokenhaven 65            | 2993HH Barendrecht | 93.457   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TA Prof. Teldersstraat 15         | 3274CZ Heinenoord  | 92.800   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TB Wouter van den Walestr 12      | 3274CR Heinenoord  | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tB Smithaven 31                   | 2993EC Barendrecht | 93.708   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tC Steekkant 137                  | 2993DB Barendrecht | 94.077   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TC Avenhil 24                     | 3274CT Heinenoord  | 92.705   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tD Steekkant 105                  | 2993DB Barendrecht | 94.068   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TD Prof. Teldersstraat 21         | 3274CZ Heinenoord  | 92.827   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TE De Laagjes 5                   | 3274CA Heinenoord  | 92.458   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tE Zalmwater 133                  | 2993DX Barendrecht | 94.137   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TF John F. Kennedystraat 57       | 3274CG Heinenoord  | 92.598   | 426.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tF Kröllerhaven 43                | 2993ED Barendrecht | 93.792   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tG Van Hobokenhaven 15            | 2993HH Barendrecht | 93.456   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TG Rietwaard 14                   | 3274MA Heinenoord  | 92.807   | 426.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tH Steekkant 11                   | 2993DB Barendrecht | 93.954   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TH Koomansland 10                 | 3274CJ Heinenoord  | 92.405   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TI Abraham Kuyperhof 7            | 3274CW Heinenoord  | 92.727   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ti Steekkant 67                   | 2993DB Barendrecht | 93.965   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tJ Steekkant 52                   | 2993DB Barendrecht | 94.092   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TJ Kalesland 4                    | 3274CH Heinenoord  | 92.481   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tK Müllerhaven 82                 | 2993EA Barendrecht | 93.826   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TK Oranjestraat 20                | 3274AK Heinenoord  | 92.181   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tL Müllerhaven 34                 | 2993EA Barendrecht | 93.831   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TL Dreeshof 2                     | 3274CC Heinenoord  | 92.574   | 426.985   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TM Hermannushof 16                | 3274CE Heinenoord  | 92.553   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tm Steekkant 31                   | 2993DB Barendrecht | 93.964   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TN Wiardi Beckmanhof 14           | 3274CX Heinenoord  | 92.700   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tN Vederhaven 1                   | 2993EB Barendrecht | 93.778   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TO Wiardi Beckmanhof 2            | 3274CX Heinenoord  | 92.661   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tO Müllerhaven 50                 | 2993EA Barendrecht | 93.831   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tP Koedood 4                      | 2993AL Barendrecht | 93.802   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TP Beatrixstraat 17               | 3274AA Heinenoord  | 92.181   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tQ Smithaven 49                   | 2993EC Barendrecht | 93.704   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TQ John F. Kennedystraat 37       | 3274CG Heinenoord  | 92.508   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tR Koedood 2 a 2993AL Barendrecht | 94.006             | 428.526  | 0,0       | 8,0 | 5,0   | 0,5    | 0,0              | 90,0                  | "Green house mode" |                    |
| TR Oranjestraat 11 A              | 3274AK Heinenoord  | 92.173   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TS Spuivelden 5                   | 3274CM Heinenoord  | 92.530   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tS Kröllerhaven 6                 | 2993ED Barendrecht | 93.761   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TT Prof. Teldersstraat 4          | 3274MC Heinenoord  | 92.831   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tT Smithaven 22                   | 2993EC Barendrecht | 93.746   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TU Dorpsstraat 32                 | 3274BD Heinenoord  | 92.203   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tU Steekkant 121                  | 2993DB Barendrecht | 94.071   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.   | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|---|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|   |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| tV Steekkant 135 2993DB Barendrecht             |      | 94.077   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TV Prof. Teldersstraat 12 3274MC Heinenoord     |      | 92.831   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TW Marijkestraat 5 3274AJ Heinenoord            |      | 92.271   | 427.070   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tW Steekkant 113 2993DB Barendrecht             |      | 94.075   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tX Smithaven 55 2993EC Barendrecht              |      | 93.703   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TX Kalesland 9 3274CH Heinenoord                |      | 92.523   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TY Boerengorzen 11 3274CV Heinenoord            |      | 92.782   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tY Steekkant 56 2993DB Barendrecht              |      | 94.103   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TZ Irenestraat 18 3274AE Heinenoord             |      | 92.260   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tZ Smithaven 45 2993EC Barendrecht              |      | 93.705   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| U Blaaksedijk West 29 3274LD Heinenoord         |      | 94.052   | 425.609   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •U Achterzeedijk 1 a 47 2991SB Barendrecht      |      | 97.120   | 427.569   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uA Müllerhaven 16 2993EA Barendrecht            |      | 93.826   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UA Wouter van den Walestr 64 3274CS Heinenoord  |      | 92.365   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UB Avenhil 35 3274CT Heinenoord                 |      | 92.720   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uB Swarttouwhaven 68 2993HP Barendrecht         |      | 93.493   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UC Beatrixstraat 29 3274AA Heinenoord           |      | 92.191   | 427.069   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uC Steekkant 30 2993DB Barendrecht              |      | 94.029   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uD Steekkant 38 2993DB Barendrecht              |      | 94.054   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UD Wiardi Beckmanhof 3 3274CX Heinenoord        |      | 92.662   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UE Martin Luther Kingstraat 2 3274CK Heinenoord |      | 92.386   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uE Meeshaven 3 2993HN Barendrecht               |      | 93.651   | 428.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UF Rietwaard 7 3274MA Heinenoord                |      | 92.843   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uF Van Hobokenhaven 51 2993HH Barendrecht       |      | 93.455   | 428.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uG Steekkant 42 2993DB Barendrecht              |      | 94.065   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UG Dorpsstraat 9 3274BB Heinenoord              |      | 92.373   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UH Oranjestraat 13 3274AK Heinenoord            |      | 92.208   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uH Meeshaven 1 2993HN Barendrecht               |      | 93.651   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uI Steekkant 69 2993DB Barendrecht              |      | 93.960   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UI Avenhil 4 3274CT Heinenoord                  |      | 92.655   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UJ De Laagjes 15 3274CB Heinenoord              |      | 92.501   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uJ Aalwater 22 2993DD Barendrecht               |      | 94.016   | 428.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UK Bernhardstraat 8 3274AB Heinenoord           |      | 92.239   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uK Steekkant 29 2993DB Barendrecht              |      | 93.955   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uL Steurwater 9 2993DE Barendrecht              |      | 93.942   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UL Margrietstraat 13 3274AH Heinenoord          |      | 92.291   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uM Smithaven 47 2993EC Barendrecht              |      | 93.705   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UM Irenestraat 15 3274AD Heinenoord             |      | 92.243   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uN Meeshaven 12 2993HN Barendrecht              |      | 93.630   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UN Rietwaard 26 3274MA Heinenoord               |      | 92.914   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uO Meeshaven 15 2993HN Barendrecht              |      | 93.659   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UO Avenhil 42 3274CT Heinenoord                 |      | 92.700   | 426.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uP Steekkant 117 2993DB Barendrecht             |      | 94.075   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UP Dreeshof 10 3274CC Heinenoord                |      | 92.575   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uQ Steekkant 36 2993DB Barendrecht              |      | 94.049   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UQ Oosteinde 20 3274KC Heinenoord               |      | 92.708   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uR Calandhaven 7 2993HL Barendrecht             |      | 93.527   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UR John F. Kennedystraat 69 3274CG Heinenoord   |      | 92.755   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| US De Laagjes 30 3274CB Heinenoord              |      | 92.527   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uS Calandhaven 5 2993HL Barendrecht             |      | 93.512   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UT Martin Luther Kingstraat 8 3274CK Heinenoord |      | 92.386   | 427.059   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uT Van Hobokenhaven 55 2993HH Barendrecht       |      | 93.452   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UU Wiardi Beckmanhof 16 3274CX Heinenoord       |      | 92.704   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uU Kröllerhaven 25 2993ED Barendrecht           |      | 93.859   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uV Kröllerhaven 8 2993ED Barendrecht            |      | 93.752   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UV Thorbeckehof 9 3274CP Heinenoord             |      | 92.605   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uW Van Hobokenhaven 31 2993HH Barendrecht       |      | 93.463   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UW Emmastraat 24 3274AC Heinenoord              |      | 92.298   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UX John F. Kennedystraat 71 3274CG Heinenoord   |      | 92.762   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uX Steekkant 125 2993DB Barendrecht             |      | 94.067   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UY Avenhil 7 3274CT Heinenoord                  |      | 92.633   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uY Steekkant 157 2993DB Barendrecht             |      | 94.067   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UZ Irenestraat 34 3274AE Heinenoord             |      | 92.302   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| uZ Steekkant 43 2993DB Barendrecht               |      | 93.961   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| V Blaaksedijk West 25 3274LD Heinenoord          |      | 94.076   | 425.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •V Achterzeedijk 1 a 48 2991SB Barendrecht       |      | 97.113   | 427.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vA Swarttouwhaven 22 2993HP Barendrecht          |      | 93.503   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VA Martin Luther Kingstraat 12 3274CK Heinenoord |      | 92.414   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vB Aalwater 6 2993DD Barendrecht                 |      | 93.964   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VB Buitenlanden 2 3274MB Heinenoord              |      | 92.916   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vC Steekkant 49 2993DB Barendrecht               |      | 93.961   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VC Abraham Kuyperhof 1 3274CW Heinenoord         |      | 92.728   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vD Steekkant 141 2993DB Barendrecht              |      | 94.075   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VD Kalesland 76 3274CH Heinenoord                |      | 92.592   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vE Meeshaven 6 2993HN Barendrecht                |      | 93.625   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VE Dreeshof 6 3274CC Heinenoord                  |      | 92.574   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VF John F. Kennedystraat 73 3274CG Heinenoord    |      | 92.768   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vF Meeshaven 10 2993HN Barendrecht               |      | 93.629   | 428.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VG Dreeshof 7 3274CC Heinenoord                  |      | 92.522   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vG Meeshaven 16 2993HN Barendrecht               |      | 93.629   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vH Müllerhaven 78 2993EA Barendrecht             |      | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VH Dorpsstraat 3 3274BB Heinenoord               |      | 92.434   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Steekkant 3 2993DB Barendrecht                |      | 93.966   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Beatrixstraat 46 3274AA Heinenoord            |      | 92.209   | 427.002   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VJ Oranjestraat 24 3274AK Heinenoord             |      | 92.194   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vJ Steekkant 8 2993DB Barendrecht                |      | 93.964   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vk Steekkant 65 2993DB Barendrecht               |      | 93.957   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VK Avenhil 21 3274CT Heinenoord                  |      | 92.710   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vL Müllerhaven 20 2993EA Barendrecht             |      | 93.833   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Irenestraat 42 3274AE Heinenoord              |      | 92.288   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vM Kröllerhaven 17 2993ED Barendrecht            |      | 93.860   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VM Irenestraat 5 3274AD Heinenoord               |      | 92.237   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vN Steurwater 3 2993DE Barendrecht               |      | 93.940   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VN Prof. Teldersstraat 53 3274MC Heinenoord      |      | 92.876   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vO Steekkant 97 2993DB Barendrecht               |      | 94.074   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VO Wouter van den Walestr 38 3274CS Heinenoord   |      | 92.346   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VP Martin Luther Kingstraat 22 3274CK Heinenoord |      | 92.445   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vP Vederhaven 9 2993EB Barendrecht               |      | 93.756   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vQ Müllerhaven 2 2993EA Barendrecht              |      | 93.828   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VQ Avenhil 33 3274CT Heinenoord                  |      | 92.732   | 426.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vR Vederhaven 19 2993EB Barendrecht              |      | 93.729   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VR Oosteinde 4 3274CK Heinenoord                 |      | 92.893   | 426.673   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VS Buitenlanden 3 3274MB Heinenoord              |      | 92.887   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vS Smithaven 41 2993EC Barendrecht               |      | 93.706   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VT Martin Luther Kingstraat 64 3274CL Heinenoord |      | 92.606   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vT Van Hobokenhaven 29 2993HH Barendrecht        |      | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VU Buitenlanden 15 3274MB Heinenoord             |      | 92.895   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vU Zalmwater 147 2993DX Barendrecht              |      | 94.092   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vV Swarttouwhaven 64 2993HP Barendrecht          |      | 93.502   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VV Rietwaard 8 3274MA Heinenoord                 |      | 92.813   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VW Martin Luther Kingstraat 42 3274CL Heinenoord |      | 92.520   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vW Aalwater 12 2993DD Barendrecht                |      | 93.979   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vX Kröllerhaven 55 2993ED Barendrecht            |      | 93.735   | 428.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VX De Laagjes 10 3274CB Heinenoord               |      | 92.458   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vY Meeshaven 13 2993HN Barendrecht               |      | 93.658   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VY Martin Luther Kingstraat 16 3274CK Heinenoord |      | 92.426   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vZ Meeshaven 11 2993HN Barendrecht               |      | 93.657   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VZ Wouter van den Walestr 78 3274CS Heinenoord   |      | 92.367   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| W Blaaksedijk West 30 3274LE Heinenoord          |      | 94.004   | 425.661   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •W Achterzeedijk 1 a 49 2991SB Barendrecht       |      | 97.104   | 427.610   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WA Marijkestraat 12 3274AJ Heinenoord            |      | 92.350   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wA Koedood 20 2993AL Barendrecht                 |      | 93.529   | 428.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WB Wouter van den Walestr 16 3274CR Heinenoord   |      | 92.329   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wB Zalmwater 145 2993DX Barendrecht              |      | 94.098   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WC Talmahof 10 3274CN Heinenoord                 |      | 92.490   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wC Zalmwater 149 2993DX Barendrecht              |      | 94.085   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| WD  | Beatrixstraat 27 3274AA Heinenoord            | 92.187   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wD  | Kröllehaven 49 2993ED Barendrecht             | 93.762   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wE  | Zalmwater 135 2993DX Barendrecht              | 94.129   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WE  | Oosteinde 18 3274KC Heinenoord                | 92.748   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WF  | Spuivelden 11 3274CM Heinenoord               | 92.531   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wF  | Stekkant 26 2993DB Barendrecht                | 94.030   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WG  | Avenhil 17 3274CT Heinenoord                  | 92.662   | 426.946   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wG  | Stekkant 46 2993DB Barendrecht                | 94.076   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WH  | Oosteinde 33 3274KB Heinenoord                | 92.738   | 426.600   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wH  | Koedood 23 2993AL Barendrecht                 | 93.222   | 428.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WI  | Avenhil 39 3274CT Heinenoord                  | 92.738   | 426.874   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wI  | Meeshaven 17 2993HN Barendrecht               | 93.654   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wJ  | Swarttouwhaven 2 2993HP Barendrecht           | 93.657   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WJ  | Dorpsstraat 26 3274BD Heinenoord              | 92.222   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wK  | Stekkant 165 2993DB Barendrecht               | 94.079   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WK  | Prof. Teldersstraat 25 3274CZ Heinenoord      | 92.826   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wL  | Meeshaven 4 2993HN Barendrecht                | 93.626   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WL  | Koomansland 24 3274CJ Heinenoord              | 92.406   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wM  | Meeshaven 9 2993HN Barendrecht                | 93.656   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WM  | De Laagjes 1 3274CB Heinenoord                | 92.447   | 426.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WN  | Hermannushof 8 3274CE Heinenoord              | 92.529   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wN  | Vederhaven 5 2993EB Barendrecht               | 93.767   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wO  | Koedood 27 2993AL Barendrecht                 | 93.159   | 428.767   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WO  | Bernhardstraat 7 3274AB Heinenoord            | 92.203   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wP  | Swarttouwhaven 4 2993HP Barendrecht           | 93.643   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WP  | Andries Woutershof 4 3274CA Heinenoord        | 92.460   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WQ  | Bernhardstraat 18 3274AB Heinenoord           | 92.271   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wQ  | Swarttouwhaven 6 2993HP Barendrecht           | 93.629   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wR  | Kröllehaven 10 2993ED Barendrecht             | 93.743   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WR  | Spuivelden 19 3274CM Heinenoord               | 92.579   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wS  | Smithaven 24 2993EC Barendrecht               | 93.737   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WS  | Kalesland 40 3274CH Heinenoord                | 92.544   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WT  | Irenestraat 24 3274AE Heinenoord              | 92.273   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wT  | Kröllehaven 45 2993ED Barendrecht             | 93.780   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WU  | Kalesland 30 3274CH Heinenoord                | 92.530   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wU  | Smithaven 16 2993EC Barendrecht               | 93.773   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WV  | Kalesland 42 3274CH Heinenoord                | 92.549   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wV  | Stekkant 151 2993DB Barendrecht               | 94.065   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WW  | De Laagjes 36 3274CB Heinenoord               | 92.543   | 426.776   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wW  | Kröllehaven 35 2993ED Barendrecht             | 93.828   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WX  | Martin Luther Kingstraat 28 3274CK Heinenoord | 92.472   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wX  | Stekkant 58 2993DB Barendrecht                | 94.109   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WY  | Prof. Teldersstraat 45 3274MC Heinenoord      | 92.877   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wY  | Ruyshaven 1 2993HM Barendrecht                | 93.578   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wZ  | Zalmwater 137 2993DX Barendrecht              | 94.123   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WZ  | Oranjestraat 28 3274AK Heinenoord             | 92.207   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| X   | Reedijk 4 3274KE Heinenoord                   | 93.702   | 425.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •X  | Achterzeedijk 1 a 50 2991SB Barendrecht       | 97.106   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XA  | John F. Kennedystraat 75 3274CG Heinenoord    | 92.771   | 426.980   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xA  | Müllerhaven 38 2993EA Barendrecht             | 93.833   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xB  | Stekkant 18 2993DB Barendrecht                | 93.990   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XB  | Thorbeckehof 7 3274CP Heinenoord              | 92.607   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xC  | Stekkant 21 2993DB Barendrecht                | 93.957   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XC  | Abraham Kuyperhof 13 3274CW Heinenoord        | 92.766   | 427.034   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xD  | Vederhaven 13 2993EB Barendrecht              | 93.745   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XD  | John F. Kennedystraat 51 3274CG Heinenoord    | 92.580   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xE  | Van Hobokenhaven 17 2993HH Barendrecht        | 93.456   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XE  | John F. Kennedystraat 17 3274CG Heinenoord    | 92.420   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xF  | Kabbelkant 12 2993DC Barendrecht              | 94.012   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XF  | Oranjestraat 21 3274AK Heinenoord             | 92.253   | 426.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xG  | Müllerhaven 14 2993EA Barendrecht             | 93.835   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XG  | Avenhil 38 3274CT Heinenoord                  | 92.732   | 426.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xH  | Stekkant 71 2993DB Barendrecht                | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| XH  | De Laagjes 14 3274CB Heinenoord               | 92.481   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XI  | Emmastraat 9 3274AC Heinenoord                | 92.245   | 426.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xI  | Swarttouwhaven 50 2993HP Barendrecht          | 93.505   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XJ  | Abraham Kuyperhof 4 3274CW Heinenoord         | 92.730   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xJ  | Koedood 29 3161GE Rhoon                       | 93.112   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xK  | Koedood 29 3161GE Rhoon                       | 93.114   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Boerengorzen 6 3274CV Heinenoord              | 92.750   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XL  | Kalesland 17 3274CH Heinenoord                | 92.555   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xL  | Weerkant 60 2993DA Barendrecht                | 94.325   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xM  | Spieringwater 1 2993DM Barendrecht            | 94.157   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XM  | Julianastraat 36 3274AG Heinenoord            | 92.162   | 427.014   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xN  | Weerkant 134 2993DA Barendrecht               | 94.227   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 92.215   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xO  | Harderwater 78 2993DW Barendrecht             | 94.304   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XO  | Talmahof 3 3274CN Heinenoord                  | 92.434   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 92.431   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xP  | Harderwater 76 2993DW Barendrecht             | 94.304   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 92.561   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xQ  | Weerkant 17 2993DA Barendrecht                | 94.232   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xR  | Kuikant 167 2993DV Barendrecht                | 94.338   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 92.318   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 92.203   | 426.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xS  | Weerkant 38 2993DA Barendrecht                | 94.314   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xT  | Weerkant 14 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XT  | Hermannushof 20 3274CE Heinenoord             | 92.582   | 426.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xU  | Weerkant 132 2993DA Barendrecht               | 94.225   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XU  | Kalesland 50 3274CH Heinenoord                | 92.564   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xV  | Weerkant 19 2993DA Barendrecht                | 94.226   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XV  | Buitelanden 6 3274MB Heinenoord               | 92.919   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XW  | Avenhil 1 3274CT Heinenoord                   | 92.669   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xW  | Harderwater 80 2993DW Barendrecht             | 94.304   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 92.309   | 427.061   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xX  | Weerkant 12 2993DA Barendrecht                | 94.311   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 92.764   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xY  | Zalmwater 115 2993DX Barendrecht              | 94.207   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 92.702   | 426.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xZ  | Weerkant 112 2993DA Barendrecht               | 94.229   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y   | Blaaksedijk West 35 3274LD Heinenoord         | 93.965   | 425.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 97.102   | 427.572   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yA  | Weerkant 76 2993DA Barendrecht                | 94.319   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 92.203   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yB  | Weerkant 100 2993DA Barendrecht               | 94.229   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 92.319   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YC  | De Laagjes 6 3274CB Heinenoord                | 92.446   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yC  | Weerkant 92 2993DA Barendrecht                | 94.225   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YD  | Rietwaard 16 3274MA Heinenoord                | 92.800   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yD  | Weerkant 6 2993DA Barendrecht                 | 94.321   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YE  | De Laagjes 3 3274CB Heinenoord                | 92.453   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yE  | Weerkant 46 2993DA Barendrecht                | 94.323   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yF  | Weerkant 18 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 92.765   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yG  | Weerkant 64 2993DA Barendrecht                | 94.312   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 92.335   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yH  | Weerkant 118 2993DA Barendrecht               | 94.231   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 92.333   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yl  | Harderwater 49 2993DW Barendrecht             | 94.275   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YI  | Avenhil 8 3274CT Heinenoord                   | 92.636   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yJ  | Weerkant 94 2993DA Barendrecht                | 94.227   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YJ  | Kalesland 66 3274CH Heinenoord                | 92.605   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yK  | Weerkant 1 2993DA Barendrecht                 | 94.255   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YK  | Kalesland 2 3274CH Heinenoord                 | 92.482   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yl  | Zalmwater 125 2993DX Barendrecht              | 94.176   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Koomansland 3 3274CJ Heinenoord               | 92.450   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 92.574   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yM  | Weerkant 114 2993DA Barendrecht               | 94.231   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yN  | Weerkant 20 2993DA Barendrecht                | 94.323   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 92.904   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yO  | Weerkant 138 2993DA Barendrecht               | 94.231   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 92.184   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YP  | Kalesland 60 3274CH Heinenoord                | 92.595   | 426.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yP  | Weerkant 48 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 94.169   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YQ  | Julianastraat 44 3274AG Heinenoord            | 92.152   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yR  | Weerkant 24 2993DA Barendrecht                | 94.324   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 92.712   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YS  | Rietwaard 19 3274MA Heinenoord                | 92.884   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yS  | Spieringwater 13 2993DM Barendrecht           | 94.160   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 92.335   | 426.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yT  | Weerkant 62 2993DA Barendrecht                | 94.322   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 92.315   | 427.060   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yU  | Weerkant 146 2993DA Barendrecht               | 94.231   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 92.730   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yV  | Weerkant 82 2993DA Barendrecht                | 94.315   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yW  | Spieringwater 9 2993DM Barendrecht            | 94.159   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 92.537   | 426.742   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 92.177   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yX  | Weerkant 136 2993DA Barendrecht               | 94.229   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yY  | Weerkant 158 2993DA Barendrecht               | 94.221   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 92.465   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 92.612   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 94.159   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 93.916   | 425.686   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 97.098   | 427.555   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zA  | Weerkant 86 2993DA Barendrecht                | 94.266   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 92.415   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zB  | Weerkant 32 2993DA Barendrecht                | 94.324   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 92.245   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zC  | Spieringwater 5 2993DM Barendrecht            | 94.158   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 92.809   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZD  | Kalesland 34 3274CH Heinenoord                | 92.530   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zD  | Weerkant 126 2993DA Barendrecht               | 94.223   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 92.663   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zE  | Weerkant 30 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zF  | Weerkant 104 2993DA Barendrecht               | 94.225   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 92.850   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zG  | Weerkant 70 2993DA Barendrecht                | 94.324   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 92.718   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 92.662   | 427.010   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zH  | Weerkant 10 2993DA Barendrecht                | 94.323   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 92.665   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zI  | Weerkant 33 2993DA Barendrecht                | 94.189   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zJ  | Weerkant 26 2993DA Barendrecht                | 94.325   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 92.211   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zK  | Weerkant 130 2993DA Barendrecht               | 94.223   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 92.239   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 92.365   | 426.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zL  | Weerkant 4 2993DA Barendrecht                 | 94.323   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 92.685   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zM  | Weerkant 68 2993DA Barendrecht                | 94.322   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zN  | Weerkant 96 2993DA Barendrecht                | 94.229   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 92.489   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zO  | Weerkant 34 2993DA Barendrecht                | 94.318   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 92.345   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zP  | Weerkant 31 2993DA Barendrecht                | 94.194   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZP  | Koelmansland 7 3274CJ Heinenoord              | 92.449   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zQ  | Weerkant 148 2993DA Barendrecht               | 94.229   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

Opstelling 2c

Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:51/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                         | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |     |
|-----------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|-----|
|                             |                      |          |           |     |       |        |                  |                       |                    | [m]                | [m] |
| ZQ Talmahof 5               | 3274CN Heinenoord    | 92.434   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZR Irenestraat 14           | 3274AE Heinenoord    | 92.259   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zR Weerkant 144             | 2993DA Barendrecht   | 94.233   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zS Weerkant 116             | 2993DA Barendrecht   | 94.232   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZS Oosteinde 26             | 3274KC Heinenoord    | 92.674   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZT John F. Kennedystraat 25 | 3274CG Heinenoord    | 92.447   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZT Spieringwater 11         | 2993DM Barendrecht   | 94.159   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zU Weerkant 140             | 2993DA Barendrecht   | 94.233   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZU Wouter van den Walestr   | 58 3274CS Heinenoord | 92.352   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zV Weerkant 42              | 2993DA Barendrecht   | 94.318   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZV Margrietstraat 16        | 3274AH Heinenoord    | 92.326   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZW Bernhardstraat 1 A       | 3274AB Heinenoord    | 92.195   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zW Weerkant 122             | 2993DA Barendrecht   | 94.227   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zX Weerkant 168             | 2993DA Barendrecht   | 94.149   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZX De Laagjes 13            | 3274CB Heinenoord    | 92.501   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZY Marijkestraat 3          | 3274AJ Heinenoord    | 92.262   | 427.071   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZY Weerkant 80              | 2993DA Barendrecht   | 94.317   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZZ Wouter van den Walestr   | 46 3274CS Heinenoord | 92.363   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zz Weerkant 106             | 2993DA Barendrecht   | 94.224   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |

## Calculation Results

Shadow receptor

| No.                            | Name              | Shadow, expected values              |              |
|--------------------------------|-------------------|--------------------------------------|--------------|
|                                |                   | Shadow hours<br>per year<br>[h/year] | Shadow hours |
| [A Kalesland 11                | 3274CH Heinenoord | 1:21                                 |              |
| [B Prof. Teldersstraat 39      | 3274MC Heinenoord | 4:31                                 |              |
| [C Bernhardstraat 1 C          | 3274AB Heinenoord | 0:00                                 |              |
| [D Wiardi Beckmanhof 17        | 3274CX Heinenoord | 2:10                                 |              |
| [E Abraham Kuyperhof 15        | 3274CW Heinenoord | 3:24                                 |              |
| [F Margrietstraat 4            | 3274AH Heinenoord | 0:00                                 |              |
| [G Wiardi Beckmanhof 6         | 3274CX Heinenoord | 1:55                                 |              |
| [H Rietwaard 9                 | 3274MA Heinenoord | 5:23                                 |              |
| [I Kalesland 20                | 3274CH Heinenoord | 1:09                                 |              |
| [J Rietwaard 11                | 3274MA Heinenoord | 5:36                                 |              |
| [K Buitelanden 14              | 3274MB Heinenoord | 6:22                                 |              |
| [L Abraham Kuyperhof 11        | 3274CW Heinenoord | 3:22                                 |              |
| [M John F. Kennedystraat 29    | 3274CG Heinenoord | 1:02                                 |              |
| [N Marijkestraat 19            | 3274AJ Heinenoord | 0:00                                 |              |
| [O Avenhil 41                  | 3274CT Heinenoord | 2:27                                 |              |
| [P Oosteinde 35                | 3274KB Heinenoord | 3:02                                 |              |
| [Q Martin Luther Kingstraat 26 | 3274CK Heinenoord | 1:00                                 |              |
| [R Oranjestraat 27             | 3274AK Heinenoord | 0:00                                 |              |
| [S John F. Kennedystraat 8     | 3274CG Heinenoord | 2:00                                 |              |
| [T Emmastraat 14               | 3274AC Heinenoord | 0:00                                 |              |
| [U Irenestraat 23              | 3274AD Heinenoord | 0:00                                 |              |
| [V Spuibedelen 3               | 3274CM Heinenoord | 1:18                                 |              |
| [W Beatrixstraat 42            | 3274AA Heinenoord | 0:00                                 |              |
| [X Buitelanden 7               | 3274MB Heinenoord | 6:10                                 |              |
| [Y Koomansland 38              | 3274CJ Heinenoord | 0:56                                 |              |
| [Z Kalesland 16                | 3274CH Heinenoord | 1:05                                 |              |
| \A Kalesland 8                 | 3274CH Heinenoord | 1:02                                 |              |
| \B Talmahof 1                  | 3274CN Heinenoord | 0:51                                 |              |
| \C Koomansland 17              | 3274CJ Heinenoord | 1:02                                 |              |
| \D Irenestraat 22              | 3274AE Heinenoord | 0:00                                 |              |
| \E John F. Kennedystraat 65    | 3274CG Heinenoord | 2:11                                 |              |
| \F Spuibedelen 10              | 3274CM Heinenoord | 1:40                                 |              |
| \G Thorbeckehof 5              | 3274CP Heinenoord | 1:36                                 |              |
| \H Spuibedelen 6               | 3274CM Heinenoord | 1:36                                 |              |
| \I Prof. Teldersstraat 29      | 3274CZ Heinenoord | 4:12                                 |              |
| \J John F. Kennedystraat 45    | 3274CG Heinenoord | 1:14                                 |              |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 2:25                    |                      |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 1:44                    |                      |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 3:01                    |                      |
| \N  | De Laagjes 11 3274CB Heinenoord               | 1:01                    |                      |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 1:10                    |                      |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 5:02                    |                      |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 0:00                    |                      |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 0:00                    |                      |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 4:27                    |                      |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 0:46                    |                      |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 5:00                    |                      |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 0:00                    |                      |
| \W  | Spuivelden 7 3274CM Heinenoord                | 1:17                    |                      |
| \X  | Avenhil 19 3274CT Heinenoord                  | 2:08                    |                      |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 1:41                    |                      |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 0:00                    |                      |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 5:51                    |                      |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 1:05                    |                      |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 4:09                    |                      |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 0:56                    |                      |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 3:20                    |                      |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 0:00                    |                      |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 6:10                    |                      |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 5:03                    |                      |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 4:05                    |                      |
| ]J  | Kalesland 44 3274CH Heinenoord                | 1:22                    |                      |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 2:30                    |                      |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 0:46                    |                      |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 2:57                    |                      |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 2:27                    |                      |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 5:34                    |                      |
| ]P  | Kalesland 14 3274CH Heinenoord                | 1:04                    |                      |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 1:29                    |                      |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 3:05                    |                      |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 2:52                    |                      |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 1:09                    |                      |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 0:53                    |                      |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 1:22                    |                      |
| ]W  | Kalesland 13 3274CH Heinenoord                | 1:21                    |                      |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 0:48                    |                      |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 1:26                    |                      |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 3:08                    |                      |
| ^A  | Kalesland 24 3274CH Heinenoord                | 1:11                    |                      |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 6:13                    |                      |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 0:50                    |                      |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 1:38                    |                      |
| ^E  | Kalesland 54 3274CH Heinenoord                | 1:28                    |                      |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 0:00                    |                      |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 0:00                    |                      |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 0:40                    |                      |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 2:43                    |                      |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 0:00                    |                      |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 0:40                    |                      |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 0:00                    |                      |
| ^M  | Kalesland 48 3274CH Heinenoord                | 1:25                    |                      |
| ^N  | Buitelanden 9 3274MB Heinenoord               | 5:56                    |                      |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 1:57                    |                      |
| ^P  | Kalesland 74 3274CH Heinenoord                | 1:33                    |                      |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 4:40                    |                      |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 0:00                    |                      |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 1:00                    |                      |
| ^T  | Kalesland 15 3274CH Heinenoord                | 1:21                    |                      |
| ^U  | Buitelanden 10 3274MB Heinenoord              | 6:41                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 1:40  |              |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 1:17  |              |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 5:43  |              |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 0:00  |              |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 3:21  |              |
| _A  | Kalesland 12 3274CH Heinenoord                | 1:02  |              |
| _B  | Hermannushof 18 3274CE Heinenoord             | 1:42  |              |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 0:00  |              |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 4:32  |              |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 0:00  |              |
| _F  | Emmastraat 18 3274AC Heinenoord               | 0:00  |              |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 3:22  |              |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 1:58  |              |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 4:00  |              |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 0:00  |              |
| _K  | Avenhil 26 3274CT Heinenoord                  | 2:30  |              |
| _L  | Spuivelden 4 3274CM Heinenoord                | 1:31  |              |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 0:00  |              |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 0:52  |              |
| _O  | Rietwaard 12 3274MA Heinenoord                | 4:29  |              |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 0:00  |              |
| _Q  | Kalesland 62 3274CH Heinenoord                | 1:36  |              |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 1:30  |              |
| _S  | Koimansland 20 3274CJ Heinenoord              | 0:44  |              |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 4:00  |              |
| _U  | Talmahof 12 3274CN Heinenoord                 | 1:04  |              |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 3:51  |              |
| _W  | Rietwaard 15 3274MA Heinenoord                | 6:07  |              |
| _X  | Oosteinde 43 3274KB Heinenoord                | 3:38  |              |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 0:59  |              |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 0:00  |              |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 5:02  |              |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 1:04  |              |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 1:15  |              |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 0:00  |              |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 1:26  |              |
| `F  | Irenestraat 32 3274AE Heinenoord              | 0:00  |              |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 0:00  |              |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 0:39  |              |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 4:33  |              |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 0:00  |              |
| `K  | De Laagjes 32 3274CB Heinenoord               | 1:22  |              |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 0:00  |              |
| `M  | Irenestraat 11 3274AD Heinenoord              | 0:00  |              |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 0:00  |              |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 3:53  |              |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 0:00  |              |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 0:00  |              |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 2:09  |              |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 3:45  |              |
| `T  | Emmastraat 36 3274AC Heinenoord               | 0:00  |              |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 0:00  |              |
| `V  | Spuivelden 27 3274CM Heinenoord               | 1:35  |              |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 0:00  |              |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord   | 0:40  |              |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord    | 2:06  |              |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord   | 0:41  |              |
| {A} | Weerkant 88 2993DA Barendrecht                | 0:00  |              |
| {B} | Weerkant 5 2993DA Barendrecht                 | 0:00  |              |
| {C} | Weerkant 72 2993DA Barendrecht                | 0:00  |              |
| {D} | Zalmwater 111 2993DX Barendrecht              | 0:00  |              |
| {E} | Weerkant 37 2993DA Barendrecht                | 0:00  |              |
| {F} | Weerkant 166 2993DA Barendrecht               | 0:00  |              |

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Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:51/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name                                       | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| {G  | Weerkant 128 2993DA Barendrecht            | 0:00                                 |
| {H  | Weerkant 56 2993DA Barendrecht             | 0:00                                 |
| {I  | Weerkant 23 2993DA Barendrecht             | 0:00                                 |
| {J  | Weerkant 25 2993DA Barendrecht             | 0:00                                 |
| {K  | Weerkant 21 2993DA Barendrecht             | 0:00                                 |
| {L  | Weerkant 66 2993DA Barendrecht             | 0:00                                 |
| {M  | Weerkant 120 2993DA Barendrecht            | 0:00                                 |
| {N  | Zalmwater 121 2993DX Barendrecht           | 0:00                                 |
| {O  | Weerkant 22 2993DA Barendrecht             | 0:00                                 |
| {P  | Weerkant 162 2993DA Barendrecht            | 0:00                                 |
| {Q  | Zalmwater 123 2993DX Barendrecht           | 0:00                                 |
| {R  | Weerkant 54 2993DA Barendrecht             | 0:00                                 |
| {S  | Weerkant 44 2993DA Barendrecht             | 0:00                                 |
| {T  | Weerkant 108 2993DA Barendrecht            | 0:00                                 |
| {U  | Weerkant 8 2993DA Barendrecht              | 0:00                                 |
| {V  | Weerkant 150 2993DA Barendrecht            | 0:00                                 |
| {W  | Zalmwater 131 2993DX Barendrecht           | 0:00                                 |
| {X  | Weerkant 35 2993DA Barendrecht             | 0:00                                 |
| {Y  | Weerkant 28 2993DA Barendrecht             | 0:00                                 |
| {Z  | Weerkant 98 2993DA Barendrecht             | 0:00                                 |
| A   | Weerkant 124 2993DA Barendrecht            | 0:00                                 |
| B   | Weerkant 52 2993DA Barendrecht             | 0:00                                 |
| C   | Kuilkant 169 2993DV Barendrecht            | 0:00                                 |
| D   | Weerkant 36 2993DA Barendrecht             | 0:00                                 |
| E   | Weerkant 2 2993DA Barendrecht              | 0:00                                 |
| F   | Weerkant 27 2993DA Barendrecht             | 0:00                                 |
| G   | Weerkant 29 2993DA Barendrecht             | 0:00                                 |
| H   | Weerkant 90 2993DA Barendrecht             | 0:00                                 |
| I   | Weerkant 160 2993DA Barendrecht            | 0:00                                 |
| J   | Zalmwater 117 2993DX Barendrecht           | 0:00                                 |
| K   | Koedood 2 2993AL Barendrecht               | 0:00                                 |
| L   | Weerkant 11 2993DA Barendrecht             | 0:00                                 |
| M   | Weerkant 15 2993DA Barendrecht             | 0:00                                 |
| N   | Weerkant 16 2993DA Barendrecht             | 0:00                                 |
| O   | Weerkant 40 2993DA Barendrecht             | 0:00                                 |
| P   | Weerkant 74 2993DA Barendrecht             | 0:00                                 |
| Q   | Weerkant 78 2993DA Barendrecht             | 0:00                                 |
| R   | Weerkant 102 2993DA Barendrecht            | 0:00                                 |
| S   | Harderwater 51 2993DW Barendrecht          | 0:00                                 |
| T   | Zalmwater 119 2993DX Barendrecht           | 0:00                                 |
| U   | Zalmwater 129 2993DX Barendrecht           | 0:00                                 |
| V   | Weerkant 156 2993DA Barendrecht            | 0:00                                 |
| W   | Spieringwater 3 2993DM Barendrecht         | 0:00                                 |
| X   | Weerkant 7 2993DA Barendrecht              | 0:00                                 |
| Y   | Weerkant 13 2993DA Barendrecht             | 0:00                                 |
| Z   | Weerkant 3 2993DA Barendrecht              | 0:00                                 |
| )A  | Weerkant 9 2993DA Barendrecht              | 0:00                                 |
| )B  | Weerkant 110 2993DA Barendrecht            | 0:00                                 |
| )C  | Weerkant 142 2993DA Barendrecht            | 0:00                                 |
| )D  | Weerkant 154 2993DA Barendrecht            | 0:00                                 |
| )E  | Weerkant 164 2993DA Barendrecht            | 0:00                                 |
| )F  | Weerkant 152 2993DA Barendrecht            | 0:00                                 |
| )G  | Zalmwater 113 2993DX Barendrecht           | 0:00                                 |
| )H  | Weerkant 50 2993DA Barendrecht             | 0:00                                 |
| )I  | Weerkant 58 2993DA Barendrecht             | 0:00                                 |
| )J  | Kuipersveer 9 3274KH Heinenoord            | 0:00                                 |
| )K  | Kuipersveer 7 3274KH Heinenoord            | 0:00                                 |
| )L  | Kuipersveer 3 3274KH Heinenoord            | 0:00                                 |
| )M  | Kuipersveer 5 3274KH Heinenoord            | 0:00                                 |
| )N  | Kuipersveer 1 A 3274KH Heinenoord          | 0:00                                 |
| )O  | Ziedewijdsekade 14 2991VS Barendrecht      | 1:10                                 |
| )P  | 3e Barendrechtseweg 555 2991SH Barendrecht | 1:23                                 |
| )Q  | 3e Barendrechtseweg 454 2992SN Barendrecht | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| )R  | Ziedewijdsekade 36 2991SE Barendrecht         | 0:00                    |                      |
| )S  | 3e Barendrechtseweg 545 2991SH Barendrecht    | 0:34                    |                      |
| )T  | Ziedewijdsekade 18 2991VS Barendrecht         | 1:16                    |                      |
| )U  | Ziedewijdsekade 72 2991SE Barendrecht         | 0:40                    |                      |
| )V  | Ziedewijdsekade 1 2991VS Barendrecht          | 0:00                    |                      |
| )W  | 3e Barendrechtseweg 541 2991SH Barendrecht    | 0:00                    |                      |
| )X  | Achterzeedijk 11 2991SB Barendrecht           | 1:07                    |                      |
| )Y  | Ziedewijdsekade 70 2991SE Barendrecht         | 0:36                    |                      |
| )Z  | Ziedewijdsekade 10 2991VS Barendrecht         | 0:00                    |                      |
| -A  | 3e Barendrechtseweg 559 2991SH Barendrecht    | 1:43                    |                      |
| -B  | Ziedewijdsekade 12 2991VS Barendrecht         | 0:00                    |                      |
| -C  | Ziedewijdsekade 34 2991SE Barendrecht         | 0:00                    |                      |
| -D  | Achterzeedijk 1 2991SB Barendrecht            | 1:53                    |                      |
| -E  | Achterzeedijk 1 a 1 2991SB Barendrecht        | 1:01                    |                      |
| -F  | Achterzeedijk 1 a 2 2991SB Barendrecht        | 1:02                    |                      |
| -G  | Achterzeedijk 1 a 3 2991SB Barendrecht        | 1:04                    |                      |
| -H  | Achterzeedijk 1 a 4 2991SB Barendrecht        | 1:07                    |                      |
| -I  | Achterzeedijk 1 a 6 2991SB Barendrecht        | 1:07                    |                      |
| -J  | Achterzeedijk 1 a 7 2991SB Barendrecht        | 1:10                    |                      |
| -K  | Achterzeedijk 1 a 8 2991SB Barendrecht        | 1:13                    |                      |
| -L  | Achterzeedijk 1 a 9 2991SB Barendrecht        | 1:11                    |                      |
| -M  | Achterzeedijk 1 a 10 2991SB Barendrecht       | 1:11                    |                      |
| -N  | Achterzeedijk 1 a 11 2991SB Barendrecht       | 1:14                    |                      |
| -O  | Achterzeedijk 1 a 12 2991SB Barendrecht       | 1:17                    |                      |
| -P  | Achterzeedijk 1 a 14 2991SB Barendrecht       | 1:18                    |                      |
| -Q  | Achterzeedijk 1 a 16 2991SB Barendrecht       | 1:25                    |                      |
| -R  | Achterzeedijk 1 a 17 2991SB Barendrecht       | 1:25                    |                      |
| -S  | Achterzeedijk 1 a 18 2991SB Barendrecht       | 1:26                    |                      |
| -T  | Achterzeedijk 1 a 19 2991SB Barendrecht       | 1:26                    |                      |
| -U  | Achterzeedijk 1 a 20 2991SB Barendrecht       | 1:29                    |                      |
| -V  | Achterzeedijk 1 a 21 2991SB Barendrecht       | 1:31                    |                      |
| -W  | Achterzeedijk 1 a 22 2991SB Barendrecht       | 1:34                    |                      |
| -X  | Achterzeedijk 1 a 23 2991SB Barendrecht       | 1:39                    |                      |
| -Y  | Achterzeedijk 1 a 24 2991SB Barendrecht       | 1:42                    |                      |
| -Z  | Achterzeedijk 1 a 26 2991SB Barendrecht       | 1:46                    |                      |
| ?AA | Achterzeedijk 1 a 53 2991SB Barendrecht       | 2:29                    |                      |
| ?BA | Achterzeedijk 1 a 54 2991SB Barendrecht       | 2:42                    |                      |
| ?CA | Achterzeedijk 1 a 55 2991SB Barendrecht       | 3:00                    |                      |
| ?DA | Achterzeedijk 1 a 56 2991SB Barendrecht       | 3:19                    |                      |
| ?EA | Achterzeedijk 1 a 13 2991SB Barendrecht       | 1:15                    |                      |
| ?FA | Achterzeedijk 1 a 15 2991SB Barendrecht       | 1:21                    |                      |
| ?GA | Achterzeedijk 1 a 25 2991SB Barendrecht       | 1:48                    |                      |
| ?HA | Achterzeedijk 1 a 5 2991SB Barendrecht        | 1:04                    |                      |
| ?IK | Kuipersveer 15 3274KH Heinenoord              | 1:28                    |                      |
| ?JK | Kuipersveer 31 3274KH Heinenoord              | 1:59                    |                      |
| ?KK | Kuipersveer 15 A 3274KH Heinenoord            | 1:30                    |                      |
| ?LK | Kuipersveer 23 3274KH Heinenoord              | 1:48                    |                      |
| ?MK | Kuipersveer 13 3274KH Heinenoord              | 1:25                    |                      |
| ?NK | Kuipersveer 15 D 3274KH Heinenoord            | 1:40                    |                      |
| ?OK | Kuipersveer 19 3274KH Heinenoord              | 1:45                    |                      |
| ?PK | Kuipersveer 25 3274KH Heinenoord              | 1:51                    |                      |
| ?QK | Kuipersveer 21 3274KH Heinenoord              | 1:46                    |                      |
| ?RK | Kuipersveer 35 3274KH Heinenoord              | 1:50                    |                      |
| ?SK | Kuipersveer 15 C 3274KH Heinenoord            | 1:35                    |                      |
| ?TK | Kuipersveer 17 3274KH Heinenoord              | 1:42                    |                      |
| A   | Blaaksedijk West 28 3274LE Heinenoord         | 0:00                    |                      |
| •A  | Achterzeedijk 1 a 27 2991SB Barendrecht       | 1:48                    |                      |
| AA  | Blaaksedijk West 26 3274LE Heinenoord         | 0:00                    |                      |
| aA  | Martin Luther Kingstraat 44 3274CL Heinenoord | 1:11                    |                      |
| AB  | Doormanstraat 15 3274LK Heinenoord            | 0:00                    |                      |
| aB  | Rietwaard 22 3274MA Heinenoord                | 7:32                    |                      |
| aC  | Kalesland 68 3274CH Heinenoord                | 1:37                    |                      |
| AC  | Mollekade 11 3274LN Heinenoord                | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| aD  | Hermannushof 12 3274CE Heinenoord             | 1:34  |              |
| AD  | Boonsweg 55 3274LH Heinenoord                 | 0:00  |              |
| AE  | Dormanstraat 19 3274LK Heinenoord             | 0:00  |              |
| aE  | De Laagjes 24 3274CB Heinenoord               | 1:14  |              |
| AF  | Dormanstraat 35 3274LK Heinenoord             | 0:00  |              |
| aF  | Wouter van den Walestr 42 3274CS Heinenoord   | 0:38  |              |
| aG  | Avenhil 29 3274CT Heinenoord                  | 2:37  |              |
| AG  | Dormanstraat 12 3274LK Heinenoord             | 0:00  |              |
| aH  | Beatrixstraat 50 3274AA Heinenoord            | 0:00  |              |
| AH  | Mollekade 24 A 3274LP Heinenoord              | 0:00  |              |
| AI  | Dormanstraat 21 3274LK Heinenoord             | 0:00  |              |
| aI  | Martin Luther Kingstraat 38 3274CL Heinenoord | 1:08  |              |
| aJ  | Koimansland 34 3274CJ Heinenoord              | 0:55  |              |
| AJ  | de Ruyterstraat 6 B 3274LJ Heinenoord         | 0:00  |              |
| aK  | Martin Luther Kingstraat 20 3274CK Heinenoord | 0:53  |              |
| AK  | Trompstraat 20 3274LT Heinenoord              | 0:00  |              |
| aL  | Spuivelden 1 3274CM Heinenoord                | 1:18  |              |
| AL  | van Galenstraat 11 3274LV Heinenoord          | 0:00  |              |
| aM  | Oranjestraat 22 3274AK Heinenoord             | 0:00  |              |
| AM  | Gorzenweg 2 3274LL Heinenoord                 | 0:00  |              |
| AN  | Mollekade 17 3274LN Heinenoord                | 0:00  |              |
| aN  | Koimansland 15 3274CJ Heinenoord              | 1:01  |              |
| aO  | De Laagjes 34 3274CB Heinenoord               | 1:23  |              |
| AO  | Mollekade 21 3274LN Heinenoord                | 0:00  |              |
| AP  | de Ruyterstraat 10 3274LJ Heinenoord          | 0:00  |              |
| aP  | Boerengorzen 12 3274CV Heinenoord             | 3:26  |              |
| aQ  | Hermannushof 22 3274CE Heinenoord             | 1:53  |              |
| AQ  | Mollekade 3 A 3274LN Heinenoord               | 0:00  |              |
| aR  | Prof. Teldersstraat 17 3274CZ Heinenoord      | 3:47  |              |
| AR  | Dormanstraat 31 3274LK Heinenoord             | 0:00  |              |
| AS  | Gorzenweg 1 A 3274LL Heinenoord               | 0:00  |              |
| aS  | Avenhil 31 3274CT Heinenoord                  | 3:16  |              |
| AT  | de Ruyterstraat 4 A 3274LJ Heinenoord         | 0:00  |              |
| aT  | Martin Luther Kingstraat 4 3274CK Heinenoord  | 0:44  |              |
| aU  | Emmastraat 5 3274AC Heinenoord                | 0:00  |              |
| AU  | de Ruyterstraat 6 A 3274LJ Heinenoord         | 0:00  |              |
| aV  | Prof. Teldersstraat 33 3274MC Heinenoord      | 4:36  |              |
| AV  | Mollekade 13 A 3274LN Heinenoord              | 0:00  |              |
| aW  | Abraham Kuyperhof 6 3274CW Heinenoord         | 2:54  |              |
| AW  | Blaaksedijk West 15 3274LD Heinenoord         | 0:00  |              |
| aX  | Prof. Teldersstraat 9 3274CZ Heinenoord       | 3:52  |              |
| AX  | Dormanstraat 25 3274LK Heinenoord             | 0:00  |              |
| AY  | Blaaksedijk West 16 A 3274LE Heinenoord       | 0:00  |              |
| aY  | Andries Woutershof 6 3274CA Heinenoord        | 1:05  |              |
| AZ  | Gorzenweg 1 3274LL Heinenoord                 | 0:00  |              |
| aZ  | Beatrixstraat 25 3274AA Heinenoord            | 0:00  |              |
| B   | Blaaksedijk West 49 3274LD Heinenoord         | 0:00  |              |
| •B  | Achterzeedijk 1 a 28 2991SB Barendrecht       | 1:49  |              |
| bA  | Koimansland 9 3274CJ Heinenoord               | 0:56  |              |
| BA  | Nijverheidsweg 32 3274KJ Heinenoord           | 0:00  |              |
| BB  | Blaaksedijk West 19 3274LD Heinenoord         | 0:00  |              |
| bB  | Avenhil 22 3274CT Heinenoord                  | 2:20  |              |
| BC  | Mollekade 15 3274LN Heinenoord                | 0:00  |              |
| bC  | John F. Kennedystraat 87 3274CG Heinenoord    | 5:03  |              |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord    | 4:04  |              |
| BD  | Trompstraat 10 3274LT Heinenoord              | 0:00  |              |
| BE  | Mollekade 27 3274LN Heinenoord                | 0:00  |              |
| bE  | Irenestraat 17 3274AD Heinenoord              | 0:00  |              |
| BF  | Blaaksedijk West 21 3274LD Heinenoord         | 0:00  |              |
| bF  | Spuivelden 23 3274CM Heinenoord               | 1:34  |              |
| bG  | Kalesland 36 3274CH Heinenoord                | 1:16  |              |
| BG  | Piet Heinstraat 1 3274LR Heinenoord           | 0:00  |              |
| bH  | Koimansland 4 3274CJ Heinenoord               | 0:47  |              |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
|     | BH Mollekade 1 3274LN Heinenoord             | 0:00                                 |
|     | BI de Ruyterstraat 15 3274LJ Heinenoord      | 0:00                                 |
|     | bI Jan de Rooystraat 1 3274NA Heinenoord     | 1:59                                 |
|     | bJ Jan de Rooystraat 3 3274NA Heinenoord     | 2:01                                 |
|     | BJ Blaaksedijk West 14 3274LE Heinenoord     | 0:00                                 |
|     | bK Jan de Rooystraat 5 3274NA Heinenoord     | 2:03                                 |
|     | BK Mollekade 8 3274LP Heinenoord             | 0:00                                 |
|     | BL de Ruyterstraat 2 B 3274LJ Heinenoord     | 0:00                                 |
|     | bL Jan de Rooystraat 7 3274NA Heinenoord     | 2:05                                 |
|     | BM van Galenstraat 4 3274LV Heinenoord       | 0:00                                 |
|     | bM Jan de Rooystraat 9 3274NA Heinenoord     | 2:09                                 |
|     | BN Mollekade 23 A 3274LN Heinenoord          | 0:00                                 |
|     | bN Jan de Rooystraat 11 3274NA Heinenoord    | 2:08                                 |
|     | BO Blaaksedijk West 20 3274LE Heinenoord     | 0:00                                 |
|     | bO Jan de Rooystraat 13 3274NA Heinenoord    | 2:13                                 |
|     | bP Jan de Rooystraat 2 3274NA Heinenoord     | 2:18                                 |
|     | BP Dormanstraat 45 3274LK Heinenoord         | 0:00                                 |
|     | BQ de Ruyterstraat 4 B 3274LJ Heinenoord     | 0:00                                 |
|     | bQ Jan de Rooystraat 4 3274NA Heinenoord     | 2:20                                 |
|     | BR Nijverheidsweg 7 3274KJ Heinenoord        | 0:00                                 |
|     | bR Jan de Rooystraat 6 3274NA Heinenoord     | 2:20                                 |
|     | bS Jan de Rooystraat 8 3274NA Heinenoord     | 2:29                                 |
|     | BS Gorzenweg 9 3274LL Heinenoord             | 0:00                                 |
|     | bT Jan de Rooystraat 10 3274NA Heinenoord    | 2:31                                 |
|     | BT Mollekade 9 3274LN Heinenoord             | 0:00                                 |
|     | BU de Ruyterstraat 14 3274LJ Heinenoord      | 0:00                                 |
|     | bU Jan de Rooystraat 12 3274NA Heinenoord    | 2:34                                 |
|     | BV Boonsweg 69 3274LH Heinenoord             | 0:00                                 |
|     | bV Jan de Rooystraat 14 3274NA Heinenoord    | 2:35                                 |
|     | BW Boonsweg 65 3274LH Heinenoord             | 0:00                                 |
|     | bW Jan de Rooystraat 16 3274NA Heinenoord    | 2:41                                 |
|     | BX Trompstraat 14 3274LT Heinenoord          | 0:00                                 |
|     | bX Arie Jongekrijgstraat 1 3274NB Heinenoord | 2:35                                 |
|     | BY Blaaksedijk West 18 3274LE Heinenoord     | 0:00                                 |
|     | bY Arie Jongekrijgstraat 3 3274NB Heinenoord | 2:39                                 |
|     | BZ van Galenstraat 7 3274LV Heinenoord       | 0:00                                 |
|     | bZ Arie Jongekrijgstraat 5 3274NB Heinenoord | 2:43                                 |
|     | C Blaaksedijk West 34 3274LE Heinenoord      | 0:00                                 |
| •C  | Achterdijk 1 a 29 2991SB Barendrecht         | 1:59                                 |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord   | 3:24                                 |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord         | 0:00                                 |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord   | 4:07                                 |
| CB  | Trompstraat 16 3274LT Heinenoord             | 0:00                                 |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord   | 4:52                                 |
| CC  | Blaaksedijk West 12 3274LE Heinenoord        | 0:00                                 |
| CD  | Boonsweg 14 3274LH Heinenoord                | 0:00                                 |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord   | 5:02                                 |
| CE  | Mollekade 10 3274LP Heinenoord               | 0:00                                 |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord   | 5:12                                 |
| CF  | Gorzenweg 5 3274LL Heinenoord                | 0:00                                 |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord   | 5:19                                 |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord    | 2:54                                 |
| CG  | van Galenstraat 14 3274LV Heinenoord         | 0:00                                 |
| CH  | Trompstraat 22 3274LT Heinenoord             | 0:00                                 |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 2:57                                 |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 2:59                                 |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 0:00                                 |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 3:04                                 |
| CJ  | Mollekade 13 3274LN Heinenoord               | 0:00                                 |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 3:14                                 |
| CK  | Dormanstraat 37 3274LK Heinenoord            | 0:00                                 |
| CL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 3:16                                 |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 0:00                                 |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                           | Name               | Shadow, expected values |                      |
|-------------------------------|--------------------|-------------------------|----------------------|
|                               |                    | Shadow hours            | per year<br>[h/year] |
| cM Arie Jongekrijgstraat 14   | 3274NB Heinenoord  | 3:20                    |                      |
| CM Boonsweg 12                | 3274LH Heinenoord  | 0:00                    |                      |
| CN Piet Heinstraat 2          | 3274LR Heinenoord  | 0:00                    |                      |
| cN Arie Jongekrijgstraat 16   | 3274NB Heinenoord  | 3:23                    |                      |
| cO Arie Jongekrijgstraat 18   | 3274NB Heinenoord  | 3:28                    |                      |
| CO Doormanstraat 33           | 3274LK Heinenoord  | 0:00                    |                      |
| CP Piet Heinstraat 3          | 3274LR Heinenoord  | 0:00                    |                      |
| cP Arie Jongekrijgstraat 20   | 3274NB Heinenoord  | 3:33                    |                      |
| cQ Opper Van Treurenstraat 2  | 3274ND Heinenoord  | 4:27                    |                      |
| CQ van Galenstraat 16         | 3274LV Heinenoord  | 0:00                    |                      |
| CR Gorzenweg 7                | 3274LL Heinenoord  | 0:00                    |                      |
| cR Opper Van Treurenstraat 4  | 3274ND Heinenoord  | 4:26                    |                      |
| CS Doormanstraat 27           | 3274LK Heinenoord  | 0:00                    |                      |
| cS Opper Van Treurenstraat 6  | 3274ND Heinenoord  | 4:27                    |                      |
| CT de Ruyterstraat 19         | 3274LJ Heinenoord  | 0:00                    |                      |
| cT Opper Van Treurenstraat 8  | 3274ND Heinenoord  | 4:31                    |                      |
| cU Opper Van Treurenstraat 10 | 3274ND Heinenoord  | 4:33                    |                      |
| CU Trompstraat 12             | 3274LT Heinenoord  | 0:00                    |                      |
| CV Nijverheidsweg 47          | 3274KJ Heinenoord  | 0:00                    |                      |
| cV Opper Van Treurenstraat 12 | 3274ND Heinenoord  | 4:36                    |                      |
| CW Doormanstraat 39           | 3274LK Heinenoord  | 0:00                    |                      |
| cW Opper Van Treurenstraat 14 | 3274ND Heinenoord  | 4:38                    |                      |
| cX Opper Van Treurenstraat 16 | 3274ND Heinenoord  | 4:40                    |                      |
| CX Boonsweg 6                 | 3274LH Heinenoord  | 0:00                    |                      |
| CY Piet Heinstraat 9          | 3274LR Heinenoord  | 0:00                    |                      |
| cY Opper Van Treurenstraat 18 | 3274ND Heinenoord  | 4:43                    |                      |
| cZ Opper Van Treurenstraat 20 | 3274ND Heinenoord  | 4:44                    |                      |
| CZ Nijverheidsweg 8           | 3274KJ Heinenoord  | 0:00                    |                      |
| D Blaaksedijk West 41         | 3274LD Heinenoord  | 0:00                    |                      |
| •D Achtereedijk 1 a 30        | 2991SB Barendrecht | 2:03                    |                      |
| dA Opper Van Treurenstraat 22 | 3274ND Heinenoord  | 4:49                    |                      |
| DA Boonsweg 4                 | 3274LH Heinenoord  | 0:00                    |                      |
| dB Opper Van Treurenstraat 24 | 3274ND Heinenoord  | 4:52                    |                      |
| DB de Ruyterstraat 2 A        | 3274LJ Heinenoord  | 0:00                    |                      |
| dC Opper Van Treurenstraat 26 | 3274ND Heinenoord  | 4:55                    |                      |
| DC van Galenstraat 1          | 3274LV Heinenoord  | 0:00                    |                      |
| DD Mollekade 7                | 3274LN Heinenoord  | 0:00                    |                      |
| dd Opper Van Treurenstraat 28 | 3274ND Heinenoord  | 4:59                    |                      |
| DE Mollekade 4                | 3274LP Heinenoord  | 0:00                    |                      |
| dE Opper Van Treurenstraat 30 | 3274ND Heinenoord  | 5:06                    |                      |
| DF Mollekade 2                | 3274LP Heinenoord  | 0:00                    |                      |
| dF Opper Van Treurenstraat 32 | 3274ND Heinenoord  | 5:12                    |                      |
| dG Opper Van Treurenstraat 34 | 3274ND Heinenoord  | 5:27                    |                      |
| DG van Galenstraat 28         | 3274LV Heinenoord  | 0:00                    |                      |
| DH Mollekade 6                | 3274LP Heinenoord  | 0:00                    |                      |
| dH Opper Van Treurenstraat 36 | 3274ND Heinenoord  | 5:32                    |                      |
| dI Opper Van Treurenstraat 38 | 3274ND Heinenoord  | 5:35                    |                      |
| DI Mollekade 26 C             | 3274LP Heinenoord  | 0:00                    |                      |
| DJ Mollekade 26 A             | 3274LP Heinenoord  | 0:00                    |                      |
| dJ Opper Van Treurenstraat 40 | 3274ND Heinenoord  | 5:39                    |                      |
| DK Nijverheidsweg 36          | 3274KJ Heinenoord  | 0:00                    |                      |
| dk Opper Van Treurenstraat 42 | 3274ND Heinenoord  | 5:42                    |                      |
| DL Doormanstraat 18           | 3274LK Heinenoord  | 0:00                    |                      |
| dL Opper Van Treurenstraat 44 | 3274ND Heinenoord  | 5:43                    |                      |
| dM Opper Van Treurenstraat 46 | 3274ND Heinenoord  | 5:46                    |                      |
| DM de Ruyterstraat 9          | 3274LJ Heinenoord  | 0:00                    |                      |
| DN van Galenstraat 20         | 3274LV Heinenoord  | 0:00                    |                      |
| dN Opper Van Treurenstraat 48 | 3274ND Heinenoord  | 5:47                    |                      |
| DO Mollekade 5                | 3274LN Heinenoord  | 0:00                    |                      |
| dO Opper Van Treurenstraat 50 | 3274ND Heinenoord  | 5:46                    |                      |
| DP Mollekade 25               | 3274LN Heinenoord  | 0:00                    |                      |
| dP Opper Van Treurenstraat 52 | 3274ND Heinenoord  | 5:46                    |                      |
| DQ Blaaksedijk West 17        | 3274LD Heinenoord  | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 5:43                    |                      |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 0:00                    |                      |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 5:39                    |                      |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 5:14                    |                      |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 0:00                    |                      |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 5:02                    |                      |
| DT  | Mollekade 19 3274LN Heinenoord               | 0:00                    |                      |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 4:49                    |                      |
| DU  | Trompstraat 6 3274LT Heinenoord              | 0:00                    |                      |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 4:34                    |                      |
| DV  | Trompstraat 24 3274LT Heinenoord             | 0:00                    |                      |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 0:00                    |                      |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 4:19                    |                      |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 0:00                    |                      |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 4:05                    |                      |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 0:00                    |                      |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 3:18                    |                      |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 3:21                    |                      |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 0:00                    |                      |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 0:00                    |                      |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 2:10                    |                      |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 3:22                    |                      |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 0:00                    |                      |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 3:23                    |                      |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 0:00                    |                      |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 0:00                    |                      |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 3:29                    |                      |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 0:00                    |                      |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 3:32                    |                      |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 3:34                    |                      |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 0:00                    |                      |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 3:37                    |                      |
| EF  | Mollekade 26 3274LP Heinenoord               | 0:00                    |                      |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 4:01                    |                      |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 0:00                    |                      |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 4:08                    |                      |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 0:00                    |                      |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 4:18                    |                      |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 0:00                    |                      |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 0:00                    |                      |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 4:27                    |                      |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 0:00                    |                      |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 4:46                    |                      |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 5:01                    |                      |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 0:00                    |                      |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 4:42                    |                      |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 0:00                    |                      |
| EN  | Trompstraat 8 3274LT Heinenoord              | 0:00                    |                      |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 4:47                    |                      |
| EO  | Trompstraat 4 3274LT Heinenoord              | 0:00                    |                      |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 4:49                    |                      |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 0:00                    |                      |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 4:47                    |                      |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 4:42                    |                      |
| EQ  | van Galenstraat 13 3274LV Heinenoord         | 0:00                    |                      |
| eR  | Engel de Raatpad 12 3274NC Heinenoord        | 4:35                    |                      |
| ER  | Mollekade 12 3274LP Heinenoord               | 0:00                    |                      |
| eS  | Engel de Raatpad 14 3274NC Heinenoord        | 4:19                    |                      |
| ES  | van Galenstraat 22 3274LV Heinenoord         | 0:00                    |                      |
| ET  | Doormanstraat 29 3274LK Heinenoord           | 0:00                    |                      |
| eT  | Jan van Vlietstraat 1 3274NE Heinenoord      | 5:25                    |                      |
| eU  | Jan van Vlietstraat 3 3274NE Heinenoord      | 5:35                    |                      |
| EU  | Doormanstraat 17 3274LK Heinenoord           | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| eV  | Jan van Vlietstraat 5 3274NE Heinenoord     | 5:48                                 |
| EV  | Doormanstraat 10 3274LK Heinenoord          | 0:00                                 |
| eW  | Jan van Vlietstraat 7 3274NE Heinenoord     | 6:15                                 |
| EW  | Doormanstraat 14 3274LK Heinenoord          | 0:00                                 |
| EX  | Trompstraat 18 3274LT Heinenoord            | 0:00                                 |
| eX  | Jan van Vlietstraat 9 3274NE Heinenoord     | 6:57                                 |
| EY  | van Galenstraat 8 3274LV Heinenoord         | 0:00                                 |
| eY  | Jan van Vlietstraat 19 3274NE Heinenoord    | 5:27                                 |
| eZ  | Jan van Vlietstraat 21 3274NE Heinenoord    | 4:21                                 |
| EZ  | de Ruyterstraat 5 3274LJ Heinenoord         | 0:00                                 |
| F   | Blaaksedijk West 55 3274LD Heinenoord       | 0:00                                 |
| •F  | Achterzeedijk 1 a 32 2991SB Barendrecht     | 2:11                                 |
| FA  | Trompstraat 26 3274LT Heinenoord            | 0:00                                 |
| fA  | Jan van Vlietstraat 23 3274NE Heinenoord    | 4:05                                 |
| FB  | van Galenstraat 24 3274LV Heinenoord        | 0:00                                 |
| fb  | Jan van Vlietstraat 25 3274NE Heinenoord    | 3:49                                 |
| FC  | van Galenstraat 3 3274LV Heinenoord         | 0:00                                 |
| fC  | Jan van Vlietstraat 27 3274NE Heinenoord    | 3:35                                 |
| fD  | Jan van Vlietstraat 29 3274NE Heinenoord    | 3:20                                 |
| FD  | Piet Heinstraat 6 3274LR Heinenoord         | 0:00                                 |
| FE  | Wouter van den Walestr 11 3274CR Heinenoord | 0:45                                 |
| FE  | de Ruyterstraat 13 3274LJ Heinenoord        | 0:00                                 |
| FF  | Mollekade 7 A 3274LN Heinenoord             | 0:00                                 |
| ff  | Wouter van den Walestr 13 3274CR Heinenoord | 0:45                                 |
| fG  | Wouter van den Walestr 15 3274CR Heinenoord | 0:46                                 |
| FG  | Blaaksedijk West 16 3274LE Heinenoord       | 0:00                                 |
| fH  | Wouter van den Walestr 17 3274CR Heinenoord | 0:46                                 |
| FH  | Oosteinde 5 3274KB Heinenoord               | 3:20                                 |
| fI  | Wouter van den Walestr 19 3274CR Heinenoord | 0:46                                 |
| FI  | Oosteinde 11 3274KB Heinenoord              | 2:19                                 |
| FJ  | Oosteinde 1 3274KB Heinenoord               | 1:33                                 |
| fJ  | Wouter van den Walestr 21 3274CR Heinenoord | 0:46                                 |
| FK  | Oosteinde 3 3274KB Heinenoord               | 3:11                                 |
| fK  | Wouter van den Walestr 23 3274CR Heinenoord | 0:46                                 |
| FL  | Oud-Heinenoordseweg 9 3274KD Heinenoord     | 0:53                                 |
| fL  | Wouter van den Walestr 25 3274CR Heinenoord | 0:46                                 |
| fM  | Wouter van den Walestr 27 3274CR Heinenoord | 0:46                                 |
| FM  | Oud-Heinenoordseweg 3 3274KD Heinenoord     | 2:37                                 |
| FN  | Oosteinde 13 3274KB Heinenoord              | 2:12                                 |
| fN  | Wouter van den Walestr 29 3274CR Heinenoord | 0:46                                 |
| fO  | Wouter van den Walestr 31 3274CR Heinenoord | 0:47                                 |
| FO  | Oosteinde 7 3274KB Heinenoord               | 3:31                                 |
| fP  | Wouter van den Walestr 33 3274CR Heinenoord | 0:47                                 |
| FP  | Oosteinde 27 3274KB Heinenoord              | 0:24                                 |
| fQ  | Wouter van den Walestr 35 3274CR Heinenoord | 0:47                                 |
| FQ  | Oud-Heinenoordseweg 8 3274KD Heinenoord     | 0:00                                 |
| FR  | Oosteinde 25 3274KB Heinenoord              | 1:06                                 |
| fr  | Wouter van den Walestr 37 3274CR Heinenoord | 0:47                                 |
| FS  | Oud-Heinenoordseweg 10 3274KD Heinenoord    | 0:00                                 |
| fS  | Wouter van den Walestr 39 3274CR Heinenoord | 0:47                                 |
| FT  | Wouter van den Walestr 41 3274CR Heinenoord | 0:47                                 |
| FT  | Oud-Heinenoordseweg 7 3274KD Heinenoord     | 1:28                                 |
| fU  | Wouter van den Walestr 43 3274CR Heinenoord | 0:47                                 |
| FU  | Oud-Heinenoordseweg 1 3274KD Heinenoord     | 3:03                                 |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord | 0:48                                 |
| FV  | Oosteinde 19 3274KB Heinenoord              | 1:22                                 |
| FW  | Wouter van den Walestr 47 3274CR Heinenoord | 0:47                                 |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord     | 1:57                                 |
| fX  | Dorpsstraat 8 3274BD Heinenoord             | 0:00                                 |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord    | 0:00                                 |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord    | 0:04                                 |
| fY  | Jan van Vlietstraat 11 3274NE Heinenoord    | 7:05                                 |
| FZ  | Oosteinde 17 3274KB Heinenoord              | 1:41                                 |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 7:07                    |                      |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 0:00                    |                      |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 2:32                    |                      |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 0:00                    |                      |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 7:07                    |                      |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 7:06                    |                      |
| GB  | Oosteinde 21 3274KB Heinenoord               | 1:14                    |                      |
| GC  | Oosteinde 9 3274KB Heinenoord                | 2:54                    |                      |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 7:02                    |                      |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 0:24                    |                      |
| gD  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 6:58                    |                      |
| GE  | Oosteinde 31 3274KB Heinenoord               | 1:28                    |                      |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 6:54                    |                      |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 6:50                    |                      |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 0:00                    |                      |
| GG  | Oosteinde 15 3274KB Heinenoord               | 1:56                    |                      |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 2:54                    |                      |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 2:58                    |                      |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 0:00                    |                      |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 3:00                    |                      |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 0:00                    |                      |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 2:39                    |                      |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 3:03                    |                      |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 0:00                    |                      |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 2:16                    |                      |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 0:00                    |                      |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 0:00                    |                      |
| GM  | Oosteinde 29 3274KB Heinenoord               | 0:53                    |                      |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 0:00                    |                      |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 2:57                    |                      |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 1:19                    |                      |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 0:19                    |                      |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 0:00                    |                      |
| gP  | Koedood 17 a 2993AL Barendrecht              | 1:04                    |                      |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 0:00                    |                      |
| gQ  | Koedood 17 2993AL Barendrecht                | 1:11                    |                      |
| GO  | Oosteinde 23 3274KB Heinenoord               | 1:06                    |                      |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 0:00                    |                      |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 3:24                    |                      |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 1:48                    |                      |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 3:49                    |                      |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 12:25                   |                      |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 1:02                    |                      |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 0:00                    |                      |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 2:12                    |                      |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 4:31                    |                      |
| GV  | Avenhil 5 3274CT Heinenoord                  | 1:56                    |                      |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 1:31                    |                      |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 1:15                    |                      |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 0:00                    |                      |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 0:00                    |                      |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 0:00                    |                      |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 3:53                    |                      |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 4:03                    |                      |
| GZ  | Avenhil 37 3274CT Heinenoord                 | 2:40                    |                      |
| H   | Reedijk 1 3274KE Heinenoord                  | 0:00                    |                      |
| •H  | Achterzeedijk 1 a 34 2991SB Barendrecht      | 2:30                    |                      |
| hA  | Achterzeedijk 63 2992SB Barendrecht          | 3:18                    |                      |
| HA  | Hermannushof 14 3274CE Heinenoord            | 1:37                    |                      |
| hb  | Achterzeedijk 67 2992SB Barendrecht          | 3:41                    |                      |
| HB  | Marijkestraat 25 3274AJ Heinenoord           | 0:36                    |                      |
| hc  | Achterzeedijk 38 2992SC Barendrecht          | 3:53                    |                      |
| HC  | Kalesland 3 3274CH Heinenoord                | 1:13                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                         | Name                      | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----------------------------|---------------------------|---|--------------|
| hD Achterzeedijk            | 47 2992SB Barendrecht     | 2:22  |              |
| HD Prof. Teldersstraat      | 35 3274MC Heinenoord      | 4:36  |              |
| hE Achterzeedijk            | 39 2992SB Barendrecht     | 4:45  |              |
| HE Marijkestraat            | 11 3274AJ Heinenoord      | 0:00  |              |
| hF Achterzeedijk            | 41 2992SB Barendrecht     | 4:43  |              |
| HF John F. Kennedystraat    | 38 3274CG Heinenoord      | 4:15  |              |
| hG Achterzeedijk            | 64 2992SC Barendrecht     | 0:00  |              |
| HG Oranjestraat             | 16 3274AK Heinenoord      | 0:00  |              |
| hH Achterzeedijk            | 71 2992SB Barendrecht     | 11:48   |              |
| HH Boerengorzen             | 10 3274CV Heinenoord      | 3:31  |              |
| hI Achterzeedijk            | 59 2992SB Barendrecht     | 2:01  |              |
| HI Kalesland                | 78 3274CH Heinenoord      | 1:33  |              |
| HJ Margrietstraat           | 18 3274AH Heinenoord      | 0:00  |              |
| hJ Achterzeedijk            | 42 2992SC Barendrecht     | 2:14  |              |
| HK Martin Luther Kingstraat | 60 3274CL Heinenoord      | 1:30  |              |
| hK Achterzeedijk            | 49 2992SB Barendrecht     | 2:13  |              |
| hL Achterzeedijk            | 48 2992SC Barendrecht     | 1:05  |              |
| HL Talmahof                 | 7 3274CN Heinenoord       | 0:53  |              |
| hM Achterzeedijk            | 60 2992SC Barendrecht     | 0:06  |              |
| HM Kalesland                | 56 3274CH Heinenoord      | 1:30  |              |
| hN Achterzeedijk            | 58 2992SC Barendrecht     | 3:06  |              |
| HN Emmastraat               | 22 3274AC Heinenoord      | 0:00  |              |
| hO Achterzeedijk            | 61 2992SB Barendrecht     | 2:03  |              |
| HO John F. Kennedystraat    | 18 3274CG Heinenoord      | 2:27  |              |
| hP Achterzeedijk            | 40 2992SC Barendrecht     | 3:35  |              |
| HP Martin Luther Kingstraat | 32 3274CK Heinenoord      | 0:59  |              |
| HQ Dreeshof                 | 1 3274CC Heinenoord       | 1:11  |              |
| hQ Achterzeedijk            | 61 b 2992SB Barendrecht   | 2:14  |              |
| HR Buitelanden              | 8 3274MB Heinenoord       | 6:55  |              |
| hr Achterzeedijk            | 56 2992SC Barendrecht     | 1:30  |              |
| HS Heyne van Althenastraat  | 14 3274CD Heinenoord      | 0:54  |              |
| hS Achterzeedijk            | 73 2992SB Barendrecht     | 12:03   |              |
| HT Prof. Teldersstraat      | 11 3274CZ Heinenoord      | 3:48  |              |
| hT Achterzeedijk            | 50 2992SC Barendrecht     | 1:20  |              |
| hU Gorzenweg                | 10 3274LL Heinenoord      | 0:00  |              |
| HU Prof. Teldersstraat      | 16 3274MC Heinenoord      | 4:30  |              |
| HV John F. Kennedystraat    | 41 3274CG Heinenoord      | 1:11  |              |
| hV Gorzenweg                | 8 3274LL Heinenoord       | 0:00  |              |
| hW Mollekade                | 31 3274LN Heinenoord      | 0:00  |              |
| HW Rietwaard                | 17 3274MA Heinenoord      | 6:20  |              |
| hX Mollekade                | 32 3274LP Heinenoord      | 0:50  |              |
| HX Koomansland              | 26 3274CJ Heinenoord      | 0:48  |              |
| hY Boonsweg                 | 44 3274LH Heinenoord      | 15:56   |              |
| HY Wouter van den Walestr   | 32 3274CR Heinenoord      | 0:00  |              |
| HZ Avenhil                  | 14 3274CT Heinenoord      | 2:04  |              |
| hZ Gorzenweg                | 6 A 3274LL Heinenoord     | 1:20  |              |
| I Reedijk                   | 1 A 3274KE Heinenoord     | 0:00  |              |
| •I Achterzeedijk            | 1 a 35 2991SB Barendrecht | 2:30  |              |
| IA Avenhil                  | 3 3274CT Heinenoord       | 1:58  |              |
| iA Zomerlandseweg           | 9 3274LX Heinenoord       | 0:00  |              |
| IB John F. Kennedystraat    | 40 3274CG Heinenoord      | 4:13  |              |
| IB Mollekade                | 29 3274LN Heinenoord      | 0:00  |              |
| IC Mollekade                | 28 3274LP Heinenoord      | 0:00  |              |
| IC Wouter van den Walestr   | 72 3274CS Heinenoord      | 0:41  |              |
| ID Dreeshof                 | 9 3274CC Heinenoord       | 1:11  |              |
| ID Mollekade                | 39 3274LN Heinenoord      | 0:00  |              |
| IE Thorbeckehof             | 1 3274CP Heinenoord       | 1:36  |              |
| iE Mollekade                | 41 3274LN Heinenoord      | 0:00  |              |
| IF Spuivelden               | 25 3274CM Heinenoord      | 1:35  |              |
| if Mollekade                | 47 3274LN Heinenoord      | 2:41  |              |
| iG Mollekade                | 45 3274LN Heinenoord      | 0:10  |              |
| IG Wiardi Beckmanhof        | 8 3274CX Heinenoord       | 1:52  |              |
| IH Talmahof                 | 4 3274CN Heinenoord       | 1:04  |              |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 0:50                    |                      |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 1:56                    |                      |
| iI  | Mollekade 43 3274LN Heinenoord                | 0:00                    |                      |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 3:01                    |                      |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 1:32                    |                      |
| IK  | De Laagjes 12 3274CB Heinenoord               | 1:00                    |                      |
| IK  | Mollekade 35 3274LN Heinenoord                | 0:00                    |                      |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 0:00                    |                      |
| IL  | Talmahof 11 3274CN Heinenoord                 | 0:52                    |                      |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 1:35                    |                      |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 0:00                    |                      |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 4:48                    |                      |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 1:51                    |                      |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 1:21                    |                      |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 0:00                    |                      |
| IP  | Koimansland 32 3274CJ Heinenoord              | 0:55                    |                      |
| iP  | Stekkant 40 2993DB Barendrecht                | 0:00                    |                      |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 4:04                    |                      |
| iQ  | Stekkant 33 2993DB Barendrecht                | 0:00                    |                      |
| IR  | Spieringwater 12 2993DM Barendrecht           | 0:00                    |                      |
| IR  | Kalesland 52 3274CH Heinenoord                | 1:27                    |                      |
| iS  | Koedood 6 a 2993AL Barendrecht                | 0:00                    |                      |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 1:15                    |                      |
| IT  | Avenhil 15 3274CT Heinenoord                  | 2:02                    |                      |
| iT  | Stekkant 107 2993DB Barendrecht               | 0:00                    |                      |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 0:00                    |                      |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 1:54                    |                      |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 0:00                    |                      |
| IV  | Kalesland 19 3274CH Heinenoord                | 1:21                    |                      |
| IW  | Stekkant 2 2993DB Barendrecht                 | 0:00                    |                      |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 0:00                    |                      |
| IX  | Müllerhaven 32 2993EA Barendrecht             | 0:00                    |                      |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 0:59                    |                      |
| IY  | Oranjestraat 11 B 3274AK Heinenoord           | 0:00                    |                      |
| iY  | Calandhaven 3 2993HL Barendrecht              | 0:00                    |                      |
| IZ  | Stekkant 87 2993DB Barendrecht                | 0:00                    |                      |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 1:33                    |                      |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 0:00                    |                      |
| •J  | Achterdijk 1 a 36 2991SB Barendrecht          | 2:29                    |                      |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 1:11                    |                      |
| jA  | Meeshaven 5 2993HN Barendrecht                | 0:00                    |                      |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 4:56                    |                      |
| jb  | Smithaven 4 2993EC Barendrecht                | 0:00                    |                      |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 0:00                    |                      |
| JC  | Emmastraat 11 3274AC Heinenoord               | 0:00                    |                      |
| JD  | Stekkant 13 2993DB Barendrecht                | 0:00                    |                      |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 1:54                    |                      |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 0:40                    |                      |
| JE  | Kröllerhaven 12 2993ED Barendrecht            | 0:00                    |                      |
| JF  | Avenhil 9 3274CT Heinenoord                   | 1:47                    |                      |
| jF  | Stekkant 51 2993DB Barendrecht                | 0:00                    |                      |
| JG  | De Laagjes 23 3274CB Heinenoord               | 1:09                    |                      |
| JG  | Zalmwater 143 2993DX Barendrecht              | 0:00                    |                      |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 0:00                    |                      |
| JH  | Van Hobokenhaven 43 2993HH Barendrecht        | 0:00                    |                      |
| ji  | Müllerhaven 70 2993EA Barendrecht             | 0:00                    |                      |
| Ji  | Rietwaard 20 3274MA Heinenoord                | 6:38                    |                      |
| JJ  | Stekkant 89 2993DB Barendrecht                | 0:00                    |                      |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 0:00                    |                      |
| JK  | Müllerhaven 36 2993EA Barendrecht             | 0:00                    |                      |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 4:30                    |                      |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 1:15                    |                      |
| JL  | Stekkant 73 2993DB Barendrecht                | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 0:46                    |                      |
| JM  | Aalwater 20 2993DD Barendrecht                | 0:00                    |                      |
| jN  | Stekkant 111 2993DB Barendrecht               | 0:00                    |                      |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 3:44                    |                      |
| JO  | Smithaven 6 2993EC Barendrecht                | 0:00                    |                      |
| JO  | Oosteinde 45 3274KB Heinenoord                | 3:40                    |                      |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 0:00                    |                      |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 0:40                    |                      |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 0:00                    |                      |
| JQ  | Smithaven 35 2993EC Barendrecht               | 0:00                    |                      |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 0:53                    |                      |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 0:00                    |                      |
| JS  | Stekkant 127 2993DB Barendrecht               | 0:00                    |                      |
| JS  | Kalesland 32 3274CH Heinenoord                | 1:17                    |                      |
| jT  | Van Hobokenhoven 61 2993HH Barendrecht        | 0:00                    |                      |
| JT  | Talmahof 2 3274CN Heinenoord                  | 1:04                    |                      |
| jU  | Smithaven 18 2993EC Barendrecht               | 0:00                    |                      |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 0:00                    |                      |
| jV  | Swarttouwhaven 52 2993HP Barendrecht          | 0:00                    |                      |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 5:25                    |                      |
| jW  | Kabbelkant 6 2993DC Barendrecht               | 0:00                    |                      |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 1:20                    |                      |
| jX  | Meeshaven 7 2993HN Barendrecht                | 0:00                    |                      |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 0:00                    |                      |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 1:25                    |                      |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 0:00                    |                      |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 0:00                    |                      |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 0:00                    |                      |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 0:00                    |                      |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 2:43                    |                      |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 0:00                    |                      |
| KA  | Talmahof 8 3274CN Heinenoord                  | 1:04                    |                      |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 0:00                    |                      |
| KB  | Irenestraat 28 3274AE Heinenoord              | 0:00                    |                      |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 1:07                    |                      |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 0:00                    |                      |
| KD  | Van Hobokenhoven 27 2993HH Barendrecht        | 0:00                    |                      |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 0:00                    |                      |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 1:12                    |                      |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 0:00                    |                      |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 0:00                    |                      |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 0:46                    |                      |
| KG  | Stekkant 147 2993DB Barendrecht               | 0:00                    |                      |
| KG  | Emmastraat 30 3274AC Heinenoord               | 0:00                    |                      |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 0:00                    |                      |
| KH  | Van Hobokenhoven 59 2993HH Barendrecht        | 0:00                    |                      |
| KI  | Aalwater 4 2993DD Barendrecht                 | 0:00                    |                      |
| KI  | Emmastraat 32 3274AC Heinenoord               | 0:00                    |                      |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 0:00                    |                      |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 0:00                    |                      |
| KK  | De Laagjes 21 3274CB Heinenoord               | 1:07                    |                      |
| KK  | Aalwater 19 2993DD Barendrecht                | 0:00                    |                      |
| KL  | Steurwater 13 2993DE Barendrecht              | 0:00                    |                      |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 6:22                    |                      |
| KM  | Irenestraat 3 3274AD Heinenoord               | 0:00                    |                      |
| KM  | Vederhaven 3 2993EB Barendrecht               | 0:00                    |                      |
| KN  | Van Hobokenhoven 39 2993HH Barendrecht        | 0:00                    |                      |
| KN  | Irenestraat 36 3274AE Heinenoord              | 0:00                    |                      |
| KO  | Emmastraat 20 3274AC Heinenoord               | 0:00                    |                      |
| KO  | Müllerhaven 8 2993EA Barendrecht              | 0:00                    |                      |
| KP  | Stekkant 129 2993DB Barendrecht               | 0:00                    |                      |
| KP  | Oosteinde 41 3274KB Heinenoord                | 3:56                    |                      |
| KQ  | Stekkant 149 2993DB Barendrecht               | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | Shadow, expected values |          |
|-----|--|-------------------------|----------|
|     |  | Shadow hours per year   | [h/year] |
| KQ  | John F. Kennedystraat 35 3274CG Heinenoord     | 1:06                    |          |
| KR  | Avenhil 30 3274CT Heinenoord                   | 2:38                    |          |
| KR  | Smithaven 59 2993EC Barendrecht                | 0:00                    |          |
| KS  | Ruyshaven 4 2993HM Barendrecht                 | 0:00                    |          |
| KS  | John F. Kennedystraat 55 3274CG Heinenoord     | 1:32                    |          |
| KT  | Martin Luther Kingstraat 34 3274CL Heinenoord  | 1:03                    |          |
| KT  | Swarttouwhaven 10 2993HP Barendrecht           | 0:00                    |          |
| KU  | Stekkant 109 2993DB Barendrecht                | 0:00                    |          |
| KU  | Koimansland 6 3274CJ Heinenoord                | 0:49                    |          |
| KV  | Boerengorzen 8 3274CV Heinenoord               | 3:28                    |          |
| KV  | Müllerhaven 42 2993EA Barendrecht              | 0:00                    |          |
| kW  | Müllerhaven 48 2993EA Barendrecht              | 0:00                    |          |
| KW  | Margrietstraat 20 3274AH Heinenoord            | 0:00                    |          |
| KX  | Dorpsstraat 1 A 3274BB Heinenoord              | 2:07                    |          |
| KX  | Kröllerhaven 53 2993ED Barendrecht             | 0:00                    |          |
| KY  | Stekkant 57 2993DB Barendrecht                 | 0:00                    |          |
| KY  | John F. Kennedystraat 5 3274CG Heinenoord      | 0:47                    |          |
| KZ  | Kalesland 72 3274CH Heinenoord                 | 1:37                    |          |
| KZ  | Kröllerhaven 23 2993ED Barendrecht             | 0:00                    |          |
| L   | Reedijk 2 3274KE Heinenoord                    | 0:00                    |          |
| •L  | Achterzeedijk 1 a 38 2991SB Barendrecht        | 2:50                    |          |
| LA  | John F. Kennedystraat 67 3274CG Heinenoord     | 2:14                    |          |
| IA  | Ruyshaven 8 2993HM Barendrecht                 | 0:00                    |          |
| LB  | Wouter van den Walestraat 28 3274CR Heinenoord | 0:00                    |          |
| IB  | Swarttouwhaven 44 2993HP Barendrecht           | 0:00                    |          |
| IC  | Müllerhaven 56 2993EA Barendrecht              | 0:00                    |          |
| LC  | Dreeshof 11 3274CC Heinenoord                  | 1:12                    |          |
| LD  | John F. Kennedystraat 22 3274CG Heinenoord     | 3:12                    |          |
| ID  | Stekkant 22 2993DB Barendrecht                 | 0:00                    |          |
| LE  | Kalesland 18 3274CH Heinenoord                 | 1:07                    |          |
| IE  | Meeshaven 2 2993HN Barendrecht                 | 0:00                    |          |
| IF  | Aalwater 14 2993DD Barendrecht                 | 0:00                    |          |
| LF  | Koimansland 18 3274CJ Heinenoord               | 0:44                    |          |
| IG  | Stekkant 55 2993DB Barendrecht                 | 0:00                    |          |
| LG  | Boerengorzen 4 3274CV Heinenoord               | 3:31                    |          |
| LH  | Julianastraat 40 3274AG Heinenoord             | 0:00                    |          |
| IH  | Stekkant 77 2993DB Barendrecht                 | 0:00                    |          |
| II  | Stekkant 115 2993DB Barendrecht                | 0:00                    |          |
| LI  | John F. Kennedystraat 13 3274CG Heinenoord     | 0:47                    |          |
| IJ  | Kröllerhaven 37 2993ED Barendrecht             | 0:00                    |          |
| LJ  | Rietwaard 24 3274MA Heinenoord                 | 8:59                    |          |
| IK  | Kröllerhaven 39 2993ED Barendrecht             | 0:00                    |          |
| LK  | Heyne van Althenastraat 30 3274CD Heinenoord   | 1:22                    |          |
| LL  | Kalesland 7 3274CH Heinenoord                  | 1:13                    |          |
| IL  | Swarttouwhaven 30 2993HP Barendrecht           | 0:00                    |          |
| LM  | Julianastraat 46 3274AG Heinenoord             | 0:00                    |          |
| IM  | Stekkant 19 2993DB Barendrecht                 | 0:00                    |          |
| LN  | Marikkestraat 1 B 3274AJ Heinenoord            | 0:00                    |          |
| IN  | Stekkant 12 2993DB Barendrecht                 | 0:00                    |          |
| IO  | Müllerhaven 24 2993EA Barendrecht              | 0:00                    |          |
| LO  | Irenestraat 10 3274AE Heinenoord               | 0:00                    |          |
| IP  | Spieringwater 8 2993DM Barendrecht             | 0:00                    |          |
| LP  | Wiardi Beckmanhof 7 3274CX Heinenoord          | 1:56                    |          |
| IQ  | Kröllerhaven 51 2993ED Barendrecht             | 0:00                    |          |
| LQ  | Spuivelden 8 3274CM Heinenoord                 | 1:38                    |          |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord       | 4:34                    |          |
| IR  | Kabbelkant 2 2993DC Barendrecht                | 0:00                    |          |
| IS  | Stekkant 10 2993DB Barendrecht                 | 0:00                    |          |
| LS  | Beatrixstraat 34 3274AA Heinenoord             | 0:00                    |          |
| LT  | Marijkestraat 2 3274AJ Heinenoord              | 0:00                    |          |
| IT  | Swarttouwhaven 20 2993HP Barendrecht           | 0:00                    |          |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord  | 0:49                    |          |
| IU  | Kabbelkant 8 2993DC Barendrecht                | 0:00                    |          |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
|     | IV Koedood 8 2993AL Barendrecht             | 0:00                    |                      |
|     | LV Rietwaard 5 3274MA Heinenoord            | 5:04                    |                      |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord | 0:55                    |                      |
| IW  | Kröllerhaven 41 2993ED Barendrecht          | 0:00                    |                      |
| LX  | Rietwaard 6 3274MA Heinenoord               | 4:29                    |                      |
| IX  | Stekkant 63 2993DB Barendrecht              | 0:00                    |                      |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord  | 3:57                    |                      |
| IY  | Stekkant 101 2993DB Barendrecht             | 0:00                    |                      |
| LZ  | Avenhil 36 3274CT Heinenoord                | 2:39                    |                      |
| IZ  | Stekkant 1 2993DB Barendrecht               | 0:00                    |                      |
| M   | Reedijk 3 3274KE Heinenoord                 | 0:00                    |                      |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht     | 2:54                    |                      |
| MA  | Irenestraat 26 3274AE Heinenoord            | 0:00                    |                      |
| mA  | Müllerhaven 58 2993EA Barendrecht           | 0:00                    |                      |
| mB  | Stekkant 15 2993DB Barendrecht              | 0:00                    |                      |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord     | 3:52                    |                      |
| mC  | Müllerhaven 12 2993EA Barendrecht           | 0:00                    |                      |
| MC  | Oranjestraat 26 3274AK Heinenoord           | 0:00                    |                      |
| mD  | Stekkant 133 2993DB Barendrecht             | 0:00                    |                      |
| MD  | Avenhil 23 3274CT Heinenoord                | 2:19                    |                      |
| mE  | Aalwater 13 2993DD Barendrecht              | 0:00                    |                      |
| ME  | Dorpsstraat 1 3274BB Heinenoord             | 1:18                    |                      |
| mF  | Swarttouwhaven 24 2993HP Barendrecht        | 0:00                    |                      |
| MF  | Kalesland 58 3274CH Heinenoord              | 1:36                    |                      |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord | 0:39                    |                      |
| mG  | Stekkant 37 2993DB Barendrecht              | 0:00                    |                      |
| mh  | Kabbelkant 4 2993DC Barendrecht             | 0:00                    |                      |
| MH  | Irenestraat 48 3274AE Heinenoord            | 0:00                    |                      |
| MI  | Avenhil 13 3274CT Heinenoord                | 2:08                    |                      |
| mI  | Steurwater 5 2993DE Barendrecht             | 0:00                    |                      |
| mJ  | Vederhaven 11 2993EB Barendrecht            | 0:00                    |                      |
| MJ  | Kalesland 1 3274CH Heinenoord               | 1:13                    |                      |
| mK  | Swarttouwhaven 48 2993HP Barendrecht        | 0:00                    |                      |
| MK  | Koimansland 5 3274CJ Heinenoord             | 0:55                    |                      |
| ML  | Margrietstraat 9 3274AH Heinenoord          | 0:00                    |                      |
| ML  | Stekkant 153 2993DB Barendrecht             | 0:00                    |                      |
| MM  | Emmastraat 16 3274AC Heinenoord             | 0:00                    |                      |
| mm  | Stekkant 24 2993DB Barendrecht              | 0:00                    |                      |
| MN  | Irenestraat 1 3274AD Heinenoord             | 0:00                    |                      |
| mN  | Stekkant 16 2993DB Barendrecht              | 0:00                    |                      |
| mO  | Stekkant 14 2993DB Barendrecht              | 0:00                    |                      |
| MO  | Avenhil 10 3274CT Heinenoord                | 1:47                    |                      |
| MP  | Spuivelden 15 3274CM Heinenoord             | 1:33                    |                      |
| mP  | Smithaven 2 2993EC Barendrecht              | 0:00                    |                      |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord      | 2:10                    |                      |
| mQ  | Aalwater 8 2993DD Barendrecht               | 0:00                    |                      |
| MR  | Talmahof 9 3274CN Heinenoord                | 0:52                    |                      |
| mR  | Stekkant 53 2993DB Barendrecht              | 0:00                    |                      |
| mS  | Smithaven 43 2993EC Barendrecht             | 0:00                    |                      |
| MS  | Beatrixstraat 48 3274AA Heinenoord          | 0:00                    |                      |
| mT  | Müllerhaven 72 2993EA Barendrecht           | 0:00                    |                      |
| MT  | De Laagjes 26 3274CB Heinenoord             | 1:15                    |                      |
| MU  | Bernhardstraat 6 3274AB Heinenoord          | 0:00                    |                      |
| mU  | Smithaven 14 2993EC Barendrecht             | 0:00                    |                      |
| MV  | Wiardi Beckmanhof 11 3274CX Heinenoord      | 1:59                    |                      |
| mV  | Van Hobokenhaven 45 2993HH Barendrecht      | 0:00                    |                      |
| mW  | Stekkant 48 2993DB Barendrecht              | 0:00                    |                      |
| MW  | Julianalaan 42 3274AG Heinenoord            | 0:00                    |                      |
| MX  | De Laagjes 22 3274CB Heinenoord             | 1:10                    |                      |
| mX  | Stekkant 75 2993DB Barendrecht              | 0:00                    |                      |
| mY  | Stekkant 91 2993DB Barendrecht              | 0:00                    |                      |
| MY  | Koimansland 13 3274CJ Heinenoord            | 1:00                    |                      |
| mZ  | Aalwater 18 2993DD Barendrecht              | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| MZ  | Kalesland 46 3274CH Heinenoord                | 1:24  |              |
| N   | Blaaksedijk West 31 3274LD Heinenoord         | 0:00  |              |
| •N  | Achterzeedijk 1 a 40 2991SB Barendrecht       | 3:01  |              |
| NA  | Spuivelden 9 3274CM Heinenoord                | 1:16  |              |
| nA  | Aalwater 16 2993DD Barendrecht                | 0:00  |              |
| nB  | Steekkant 17 2993DB Barendrecht               | 0:00  |              |
| NB  | John F. Kennedystraat 43 3274CG Heinenoord    | 1:13  |              |
| NC  | Irenestraat 20 3274AE Heinenoord              | 0:00  |              |
| nC  | Zalmwater 155 2993DX Barendrecht              | 0:00  |              |
| ND  | Oranjestraat 31 3274AK Heinenoord             | 0:00  |              |
| nD  | Müllerhaven 60 2993EA Barendrecht             | 0:00  |              |
| nE  | Swarttouwhaven 18 2993HP Barendrecht          | 0:00  |              |
| NE  | Kalesland 28 3274CH Heinenoord                | 1:13  |              |
| nF  | Zalmwater 151 2993DX Barendrecht              | 0:00  |              |
| NF  | Martin Luther Kingstraat 50 3274CL Heinenoord | 1:22  |              |
| NG  | Prof. Teldersstraat 30 3274MC Heinenoord      | 5:06  |              |
| nG  | Van Hobokenhaven 47 2993HH Barendrecht        | 0:00  |              |
| nH  | Smithaven 33 2993EC Barendrecht               | 0:00  |              |
| NH  | Dorpsstraat 7 3274BB Heinenoord               | 0:00  |              |
| nl  | Müllerhaven 4 2993EA Barendrecht              | 0:00  |              |
| NI  | Kalesland 64 3274CH Heinenoord                | 1:36  |              |
| nJ  | Smithaven 39 2993EC Barendrecht               | 0:00  |              |
| NJ  | Andries Woutershof 8 3274CA Heinenoord        | 1:06  |              |
| NK  | Beatrixstraat 23 3274AA Heinenoord            | 0:00  |              |
| nK  | Müllerhaven 10 2993EA Barendrecht             | 0:00  |              |
| NL  | Prof. Teldersstraat 5 3274CZ Heinenoord       | 3:51  |              |
| nL  | Steekkant 131 2993DB Barendrecht              | 0:00  |              |
| nM  | Van Hobokenhaven 63 2993HH Barendrecht        | 0:00  |              |
| NM  | Oosteinde 24 3274KC Heinenoord                | 4:07  |              |
| nN  | Steekkant 23 2993DB Barendrecht               | 0:00  |              |
| NN  | Prof. Teldersstraat 7 3274CZ Heinenoord       | 3:50  |              |
| NO  | Koimansland 1 3274CJ Heinenoord               | 0:56  |              |
| nO  | Steekkant 50 2993DB Barendrecht               | 0:00  |              |
| NP  | Buitenlanden 21 3274MB Heinenoord             | 5:29  |              |
| nP  | Steekkant 20 2993DB Barendrecht               | 0:00  |              |
| nQ  | Müllerhaven 64 2993EA Barendrecht             | 0:00  |              |
| NO  | Marijkestraat 9 3274AJ Heinenoord             | 0:00  |              |
| nR  | Kröllerhaven 15 2993ED Barendrecht            | 0:00  |              |
| NR  | John F. Kennedystraat 79 3274CG Heinenoord    | 3:46  |              |
| nS  | Steekkant 79 2993DB Barendrecht               | 0:00  |              |
| NS  | John F. Kennedystraat 34 3274CG Heinenoord    | 4:14  |              |
| NT  | Kalesland 6 3274CH Heinenoord                 | 1:02  |              |
| nT  | Steekkant 35 2993DB Barendrecht               | 0:00  |              |
| nU  | Kröllerhaven 33 2993ED Barendrecht            | 0:00  |              |
| NU  | Koimansland 2 3274CJ Heinenoord               | 0:49  |              |
| NV  | John F. Kennedystraat 24 3274CG Heinenoord    | 3:14  |              |
| nV  | Swarttouwhaven 38 2993HP Barendrecht          | 0:00  |              |
| NW  | John F. Kennedystraat 27 3274CG Heinenoord    | 0:55  |              |
| nW  | Kabbelkant 16 2993DC Barendrecht              | 0:00  |              |
| nX  | Van Hobokenhaven 35 2993HH Barendrecht        | 0:00  |              |
| NX  | Oosteinde 16 3274KC Heinenoord                | 3:06  |              |
| NY  | Irenestraat 19 3274AD Heinenoord              | 0:00  |              |
| nY  | Meeshaven 18 2993HN Barendrecht               | 0:00  |              |
| NZ  | Bernhardstraat 4 3274AB Heinenoord            | 0:00  |              |
| nZ  | Ruylshaven 7 2993HM Barendrecht               | 0:00  |              |
| •O  | Blaaksedijk West 32 3274LE Heinenoord         | 0:00  |              |
| OA  | Achterzeedijk 1 a 41 2991SB Barendrecht       | 2:55  |              |
| oA  | Boerengorzen 2 3274CV Heinenoord              | 3:36  |              |
| oB  | Müllerhaven 62 2993EA Barendrecht             | 0:00  |              |
| OB  | Smithaven 27 2993EC Barendrecht               | 0:00  |              |
| OC  | Martin Luther Kingstraat 6 3274CK Heinenoord  | 0:43  |              |
| oC  | Aalwater 21 2993DD Barendrecht                | 0:00  |              |
| OC  | Prof. Teldersstraat 27 3274CZ Heinenoord      | 4:08  |              |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

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| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| oD  | Swarttouwhaven 56 2993HP Barendrecht          | 0:00                    |                      |
| OD  | Irenestraat 44 3274AE Heinenoord              | 0:00                    |                      |
| OE  | Kalesland 22 3274CH Heinenoord                | 1:09                    |                      |
| oE  | Van Hobokenhaven 21 2993HH Barendrecht        | 0:00                    |                      |
| OF  | Marijkestraat 4 3274AJ Heinenoord             | 0:00                    |                      |
| oF  | Kröllerhaven 27 2993ED Barendrecht            | 0:00                    |                      |
| OG  | Wiardi Beckmanhof 1 3274CX Heinenoord         | 1:55                    |                      |
| oG  | Kröllerhaven 19 2993ED Barendrecht            | 0:00                    |                      |
| OH  | Emmastraat 2 F 3274AC Heinenoord              | 0:00                    |                      |
| oH  | Ruyschen 2 2993HM Barendrecht                 | 0:00                    |                      |
| OI  | Koomansland 22 3274CJ Heinenoord              | 0:45                    |                      |
| oI  | Koedood 2 b 2993AL Barendrecht                | 0:00                    |                      |
| OJ  | Prof. Teldersstraat 26 3274MC Heinenoord      | 4:52                    |                      |
| oJ  | Swarttouwhaven 60 2993HP Barendrecht          | 0:00                    |                      |
| OK  | Avenhil 12 3274CT Heinenoord                  | 1:56                    |                      |
| oK  | Müllerhaven 28 2993EA Barendrecht             | 0:00                    |                      |
| oL  | Spieringwater 14 2993DM Barendrecht           | 0:00                    |                      |
| OL  | Martin Luther Kingstraat 46 3274CL Heinenoord | 1:14                    |                      |
| oM  | Aalwater 7 2993DD Barendrecht                 | 0:00                    |                      |
| OM  | Heyne van Althenastraat 10 3274CD Heinenoord  | 0:53                    |                      |
| oN  | Stekkant 34 2993DB Barendrecht                | 0:00                    |                      |
| ON  | Rietwaard 10 3274MA Heinenoord                | 4:38                    |                      |
| oO  | Stekkant 61 2993DB Barendrecht                | 0:00                    |                      |
| OO  | Martin Luther Kingstraat 62 3274CL Heinenoord | 1:32                    |                      |
| OP  | Avenhil 40 3274CT Heinenoord                  | 2:25                    |                      |
| oP  | Stekkant 167 2993DB Barendrecht               | 0:00                    |                      |
| OQ  | Emmastraat 28 3274AC Heinenoord               | 0:00                    |                      |
| oQ  | Van Hobokenhaven 57 2993HH Barendrecht        | 0:00                    |                      |
| oR  | Stekkant 159 2993DB Barendrecht               | 0:00                    |                      |
| OR  | Avenhil 16 3274CT Heinenoord                  | 1:59                    |                      |
| OS  | Irenestraat 46 3274AE Heinenoord              | 0:00                    |                      |
| oS  | Kröllerhaven 21 2993ED Barendrecht            | 0:00                    |                      |
| oT  | Ruyschen 6 2993HM Barendrecht                 | 0:00                    |                      |
| OT  | Kalesland 5 3274CH Heinenoord                 | 1:13                    |                      |
| OU  | Oranjestraat 29 3274AK Heinenoord             | 0:00                    |                      |
| oU  | Koedood 18 2993AL Barendrecht                 | 0:00                    |                      |
| OV  | Prof. Teldersstraat 49 3274MC Heinenoord      | 5:03                    |                      |
| oV  | Van Hobokenhaven 67 2993HH Barendrecht        | 0:00                    |                      |
| oW  | Swarttouwhaven 54 2993HP Barendrecht          | 0:00                    |                      |
| OW  | Irenestraat 16 3274AE Heinenoord              | 0:00                    |                      |
| oX  | Kabbelkant 10 2993DC Barendrecht              | 0:00                    |                      |
| OX  | De Laagjes 16 3274CB Heinenoord               | 1:07                    |                      |
| oY  | Smithaven 8 2993EC Barendrecht                | 0:00                    |                      |
| OY  | Wouter van den Walestr 52 3274CS Heinenoord   | 0:40                    |                      |
| oZ  | Müllerhaven 26 2993EA Barendrecht             | 0:00                    |                      |
| OZ  | Martin Luther Kingstraat 24 3274CK Heinenoord | 0:55                    |                      |
| P   | Blaaksedijk West 33 3274LD Heinenoord         | 0:00                    |                      |
| •P  | Achterzeedijk 1 a 42 2991SB Barendrecht       | 3:01                    |                      |
| PA  | Wouter van den Walestr 76 3274CS Heinenoord   | 0:40                    |                      |
| pA  | Stekkant 163 2993DB Barendrecht               | 0:00                    |                      |
| pB  | Stekkant 93 2993DB Barendrecht                | 0:00                    |                      |
| PB  | Avenhil 20 3274CT Heinenoord                  | 2:19                    |                      |
| PC  | Martin Luther Kingstraat 10 3274CK Heinenoord | 0:47                    |                      |
| pC  | Van Hobokenhaven 23 2993HH Barendrecht        | 0:00                    |                      |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 0:00                    |                      |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 0:00                    |                      |
| pE  | Stekkant 32 2993DB Barendrecht                | 0:00                    |                      |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 5:20                    |                      |
| pF  | Stekkant 99 2993DB Barendrecht                | 0:00                    |                      |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 3:57                    |                      |
| pG  | Smithaven 10 2993EC Barendrecht               | 0:00                    |                      |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 2:03                    |                      |
| pH  | Aalwater 1 2993DD Barendrecht                 | 0:00                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:51/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| PH  | Rietwaard 2 3274MA Heinenoord                 | 4:28  |              |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 2:59  |              |
| pI  | Stekkant 161 2993DB Barendrecht               | 0:00  |              |
| pJ  | Kröllehaven 2 2993ED Barendrecht              | 0:00  |              |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 0:00  |              |
| pK  | Smithaven 21 2993EC Barendrecht               | 0:00  |              |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 4:31  |              |
| PL  | Kalesland 10 3274CH Heinenoord                | 1:02  |              |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 0:00  |              |
| PM  | Avenhil 6 3274CT Heinenoord                   | 1:49  |              |
| pM  | Stekkant 139 2993DB Barendrecht               | 0:00  |              |
| pN  | Zalmwater 139 2993DX Barendrecht              | 0:00  |              |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 3:55  |              |
| pO  | Kröllehaven 47 2993ED Barendrecht             | 0:00  |              |
| PO  | Kalesland 26 3274CH Heinenoord                | 1:11  |              |
| pP  | Stekkant 9 2993DB Barendrecht                 | 0:00  |              |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 4:31  |              |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 0:59  |              |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 0:00  |              |
| PR  | Hermannushof 10 3274CE Heinenoord             | 1:32  |              |
| pR  | Stekkant 95 2993DB Barendrecht                | 0:00  |              |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 0:00  |              |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 1:15  |              |
| pT  | Smithaven 25 2993EC Barendrecht               | 0:00  |              |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 0:00  |              |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 1:44  |              |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 0:00  |              |
| pV  | Smithaven 23 2993EC Barendrecht               | 0:00  |              |
| PV  | Irenestraat 12 3274AE Heinenoord              | 0:00  |              |
| pW  | Stekkant 28 2993DB Barendrecht                | 0:00  |              |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 1:40  |              |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 0:00  |              |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 0:53  |              |
| pY  | Stekkant 5 2993DB Barendrecht                 | 0:00  |              |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 4:25  |              |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 0:00  |              |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 0:00  |              |
| Q   | Blaaksedijk West 47 3274LD Heinenoord         | 0:00  |              |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 3:05  |              |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 0:00  |              |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 1:52  |              |
| QB  | Koimansland 12 3274CJ Heinenoord              | 0:47  |              |
| qB  | Stekkant 6 2993DB Barendrecht                 | 0:00  |              |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 0:00  |              |
| qC  | Stekkant 25 2993DB Barendrecht                | 0:00  |              |
| QD  | Avenhil 11 3274CT Heinenoord                  | 1:47  |              |
| qD  | Smithaven 51 2993EC Barendrecht               | 0:00  |              |
| QE  | De Laagjes 17 3274CB Heinenoord               | 1:07  |              |
| qE  | Müllerhaven 22 2993EA Barendrecht             | 0:00  |              |
| qF  | Stekkant 143 2993DB Barendrecht               | 0:00  |              |
| QF  | Marijkestraat 7 3274AJ Heinenoord             | 0:00  |              |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 0:00  |              |
| QG  | Avenhil 34 3274CT Heinenoord                  | 2:28  |              |
| qH  | Stekkant 7 2993DB Barendrecht                 | 0:00  |              |
| QH  | Koimansland 14 3274CJ Heinenoord              | 0:47  |              |
| QI  | Irenestraat 13 3274AD Heinenoord              | 0:00  |              |
| qI  | Stekkant 45 2993DB Barendrecht                | 0:00  |              |
| QJ  | Martin Luther Kingstraat 68 3274CL Heinenoord | 1:38  |              |
| qJ  | Koedood 25 2993AL Barendrecht                 | 0:00  |              |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord      | 3:48  |              |
| qK  | Stekkant 47 2993DB Barendrecht                | 0:00  |              |
| QL  | Andries Woutershof 24 3274CA Heinenoord       | 1:15  |              |
| qL  | Aalwater 10 2993DD Barendrecht                | 0:00  |              |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:51/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | Shadow, expected values<br>per year<br>[h/year] |
|-----|--|---|
| qM  | Van Hobokenhaven 53 2993HH Barendrecht       | 0:00  |
| QM  | De Laagjes 19 3274CB Heinenoord              | 1:09  |
| QN  | Kalesland 38 3274CH Heinenoord               | 1:18  |
| qN  | Müllerhaven 46 2993EA Barendrecht            | 0:00  |
| qO  | Müllerhaven 68 2993EA Barendrecht            | 0:00  |
| QO  | Marijkestraat 21 3274AJ Heinenoord           | 0:00  |
| qP  | Steurwater 1 2993DE Barendrecht              | 0:00  |
| QP  | De Laagjes 4 3274CB Heinenoord               | 0:54  |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord   | 0:50  |
| qQ  | Koedood 6 2993AL Barendrecht                 | 0:00  |
| qR  | Zalmwater 157 2993DX Barendrecht             | 0:00  |
| QR  | Bernhardstraat 3 3274AB Heinenoord           | 0:00  |
| qS  | Spieringwater 4 2993DM Barendrecht           | 0:00  |
| QS  | Oosteinde 37 3274KB Heinenoord               | 3:42  |
| QT  | De Laagjes 28 3274CB Heinenoord              | 1:17  |
| qT  | Spieringwater 10 2993DM Barendrecht          | 0:00  |
| QU  | Thorbeckehof 3 3274CP Heinenoord             | 1:37  |
| qU  | Spieringwater 2 2993DM Barendrecht           | 0:00  |
| qV  | Stekkant 54 2993DB Barendrecht               | 0:00  |
| QV  | De Laagjes 20 3274CB Heinenoord              | 1:10  |
| QW  | Buitenlanden 4 3274MB Heinenoord             | 7:26  |
| qW  | Swarttouwhaven 62 2993HP Barendrecht         | 0:00  |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord       | 2:10  |
| qX  | Steurwater 11 2993DE Barendrecht             | 0:00  |
| QY  | Emmastraat 2 E 3274AC Heinenoord             | 0:00  |
| qY  | Swarttouwhaven 36 2993HP Barendrecht         | 0:00  |
| qZ  | Kabbelkant 14 2993DC Barendrecht             | 0:00  |
| QZ  | Koomansland 8 3274CJ Heinenoord              | 0:48  |
| R   | Blaaksedijk West 24 3274LE Heinenoord        | 0:00  |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht      | 3:11  |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord   | 1:06  |
| rA  | Stekkant 41 2993DB Barendrecht               | 0:00  |
| rB  | Stekkant 81 2993DB Barendrecht               | 0:00  |
| RB  | Boerengorzen 3 3274CV Heinenoord             | 4:00  |
| RC  | Kalesland 70 3274CH Heinenoord               | 1:38  |
| rC  | Koedood 14 2993AL Barendrecht                | 0:00  |
| rD  | Müllerhaven 40 2993EA Barendrecht            | 0:00  |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord       | 3:24  |
| rE  | Aalwater 11 2993DD Barendrecht               | 0:00  |
| RE  | Avenhil 28 3274CT Heinenoord                 | 2:33  |
| rF  | Smithaven 37 2993EC Barendrecht              | 0:00  |
| RF  | Oosteinde 22 3274KC Heinenoord               | 4:06  |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht       | 0:00  |
| RG  | Andries Woutershof 16 3274CA Heinenoord      | 1:13  |
| rH  | Aalwater 15 2993DD Barendrecht               | 0:00  |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord     | 5:12  |
| rI  | Stekkant 85 2993DB Barendrecht               | 0:00  |
| RI  | Emmastraat 34 3274AC Heinenoord              | 0:00  |
| rJ  | Zalmwater 141 2993DX Barendrecht             | 0:00  |
| RJ  | Oranjestraat 23 3274AK Heinenoord            | 0:00  |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord   | 5:11  |
| rK  | Smithaven 12 2993EC Barendrecht              | 0:00  |
| rL  | Stekkant 44 2993DB Barendrecht               | 0:00  |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord | 0:52  |
| RM  | Oranjestraat 17 3274AK Heinenoord            | 0:00  |
| rM  | Stekkant 4 2993DB Barendrecht                | 0:00  |
| RN  | Buitenlanden 13 3274MB Heinenoord            | 5:46  |
| rN  | Van Hobokenhaven 37 2993HH Barendrecht       | 0:00  |
| RO  | Bernhardstraat 2 3274AB Heinenoord           | 0:00  |
| rO  | Van Hobokenhaven 19 2993HH Barendrecht       | 0:00  |
| RP  | Buitenlanden 17 3274MB Heinenoord            | 5:37  |
| rP  | Calandhaven 1 2993HL Barendrecht             | 0:00  |
| rQ  | Koedood 22 2993AL Barendrecht                | 0:00  |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
|     | RQ Marijkestraat 1 C 3274AJ Heinenoord        | 0:00                                 |
|     | RR Irenestraat 40 3274AE Heinenoord           | 0:00                                 |
| rR  | Aalwater 2 2993DD Barendrecht                 | 0:00                                 |
| rS  | Stekkant 103 2993DB Barendrecht               | 0:00                                 |
| RS  | Bernhardstraat 16 3274AB Heinenoord           | 0:00                                 |
| RT  | Buitelanden 12 3274MB Heinenoord              | 6:27                                 |
| rT  | Aalwater 5 2993DD Barendrecht                 | 0:00                                 |
| rU  | Kröllerhaven 31 2993ED Barendrecht            | 0:00                                 |
| RU  | Wouter van den Walestr 26 3274CR Heinenoord   | 0:00                                 |
| rV  | Smithaven 53 2993EC Barendrecht               | 0:00                                 |
| RV  | Boerengorzen 9 3274CV Heinenoord              | 3:56                                 |
| rW  | Müllerhaven 30 2993EA Barendrecht             | 0:00                                 |
| RW  | Emmastraat 3 3274AC Heinenoord                | 0:00                                 |
| rX  | Swarttouwhaven 58 2993HP Barendrecht          | 0:00                                 |
| RX  | De Laagjes 2 3274CB Heinenoord                | 0:53                                 |
| rY  | Vederhaven 15 2993EB Barendrecht              | 0:00                                 |
| RY  | Koimansland 28 3274CJ Heinenoord              | 0:50                                 |
| rZ  | Smithaven 57 2993EC Barendrecht               | 0:00                                 |
| RZ  | Prof. Teldersstraat 31 3274MC Heinenoord      | 4:36                                 |
| S   | Reedijk 3 A 3274KE Heinenoord                 | 0:00                                 |
| •S  | Achterzeedijk 1 a 45 2991SB Barendrecht       | 2:56                                 |
| sA  | Swarttouwhaven 26 2993HP Barendrecht          | 0:00                                 |
| SA  | Wouter van den Walestr 18 3274CR Heinenoord   | 0:00                                 |
| SB  | Oranjestraat 15 3274AK Heinenoord             | 0:00                                 |
| sB  | Smithaven 29 2993EC Barendrecht               | 0:00                                 |
| SC  | Heyne van Althenastraat 26 3274CD Heinenoord  | 1:05                                 |
| sC  | Stekkant 145 2993DB Barendrecht               | 0:00                                 |
| SD  | Martin Luther Kingstraat 48 3274CL Heinenoord | 1:15                                 |
| sD  | Aalwater 3 2993DD Barendrecht                 | 0:00                                 |
| SE  | Willem de Zwijgerstraat 8 3274AL Heinenoord   | 0:00                                 |
| sE  | Zalmwater 153 2993DX Barendrecht              | 0:00                                 |
| SF  | John F. Kennedystraat 36 3274CG Heinenoord    | 4:16                                 |
| sF  | Vederhaven 17 2993EB Barendrecht              | 0:00                                 |
| SG  | Wouter van den Walestr 44 3274CS Heinenoord   | 0:40                                 |
| sG  | Swarttouwhaven 34 2993HP Barendrecht          | 0:00                                 |
| SH  | Wiardi Beckmanhof 12 3274CX Heinenoord        | 2:00                                 |
| sH  | Müllerhaven 76 2993EA Barendrecht             | 0:00                                 |
| SI  | Margrietstraat 14 3274AH Heinenoord           | 0:00                                 |
| sI  | Meeshaven 14 2993HN Barendrecht               | 0:00                                 |
| sJ  | Smithaven 20 2993EC Barendrecht               | 0:00                                 |
| SJ  | Prof. Teldersstraat 43 3274MC Heinenoord      | 4:56                                 |
| SK  | De Laagjes 18 3274CB Heinenoord               | 1:08                                 |
| sK  | Stekkant 123 2993DB Barendrecht               | 0:00                                 |
| SL  | Wouter van den Walestr 56 3274CS Heinenoord   | 0:40                                 |
| sL  | Stekkant 59 2993DB Barendrecht                | 0:00                                 |
| sM  | Stekkant 39 2993DB Barendrecht                | 0:00                                 |
| SM  | Zomerlandseweg 2 3274LX Heinenoord            | 1:43                                 |
| sN  | Müllerhaven 66 2993EA Barendrecht             | 0:00                                 |
| SN  | Spuivelden 21 3274CM Heinenoord               | 1:34                                 |
| sO  | Steurwater 7 2993DE Barendrecht               | 0:00                                 |
| SO  | Koimansland 36 3274CJ Heinenoord              | 0:54                                 |
| SP  | John F. Kennedystraat 7 3274CG Heinenoord     | 0:45                                 |
| sP  | Stekkant 155 2993DB Barendrecht               | 0:00                                 |
| sQ  | Meeshaven 8 2993HN Barendrecht                | 0:00                                 |
| SQ  | Hermannushof 24 3274CE Heinenoord             | 1:49                                 |
| sR  | Stekkant 27 2993DB Barendrecht                | 0:00                                 |
| SR  | Koimansland 11 3274CJ Heinenoord              | 0:59                                 |
| sS  | Aalwater 17 2993DD Barendrecht                | 0:00                                 |
| SS  | Hermannushof 26 3274CE Heinenoord             | 1:49                                 |
| sT  | Stekkant 119 2993DB Barendrecht               | 0:00                                 |
| ST  | Oosteinde 28 3274KC Heinenoord                | 4:14                                 |
| SU  | Irenestraat 21 3274AD Heinenoord              | 0:00                                 |
| sU  | Kröllerhaven 4 2993ED Barendrecht             | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
|     | sV Ruyshaven 9 2993HM Barendrecht              | 0:00                    |                      |
|     | SV Bernhardstraat 12 3274AB Heinenoord         | 0:00                    |                      |
|     | SW Spuibedden 2 3274CM Heinenoord              | 1:31                    |                      |
|     | sW Spieringwater 6 2993DM Barendrecht          | 0:00                    |                      |
|     | SX Emmastraat 26 3274AC Heinenoord             | 0:00                    |                      |
|     | sX Swarttouwhaven 28 2993HP Barendrecht        | 0:00                    |                      |
|     | SY Rietwaard 1 3274MA Heinenoord               | 5:00                    |                      |
|     | sY Ruyshaven 11 2993HM Barendrecht             | 0:00                    |                      |
|     | sZ Swarttouwhaven 66 2993HP Barendrecht        | 0:00                    |                      |
|     | SZ John F. Kennedystraat 26 3274CG Heinenoord  | 3:49                    |                      |
|     | T Blaaksedijk West 43 3274LD Heinenoord        | 0:00                    |                      |
| •   | T Achterzeedijk 1 a 46 2991SB Barendrecht      | 3:03                    |                      |
|     | tA Van Hobokenhaven 65 2993HH Barendrecht      | 0:00                    |                      |
|     | TA Prof. Teldersstraat 15 3274CZ Heinenoord    | 3:49                    |                      |
|     | TB Wouter van den Walestr 12 3274CR Heinenoord | 0:00                    |                      |
|     | tB Smithaven 31 2993EC Barendrecht             | 0:00                    |                      |
|     | tC Steekkant 137 2993DB Barendrecht            | 0:00                    |                      |
|     | TC Avenhil 24 3274CT Heinenoord                | 2:16                    |                      |
|     | tD Steekkant 105 2993DB Barendrecht            | 0:00                    |                      |
|     | TD Prof. Teldersstraat 21 3274CZ Heinenoord    | 4:10                    |                      |
|     | TE De Laagjes 5 3274CB Heinenoord              | 0:58                    |                      |
|     | tE Zalmwater 133 2993DX Barendrecht            | 0:00                    |                      |
|     | TF John F. Kennedystraat 57 3274CG Heinenoord  | 1:33                    |                      |
|     | tF Kröllerhaven 43 2993ED Barendrecht          | 0:00                    |                      |
|     | tG Van Hobokenhaven 15 2993HH Barendrecht      | 0:00                    |                      |
|     | TG Rietwaard 14 3274MA Heinenoord              | 4:39                    |                      |
|     | tH Steekkant 11 2993DB Barendrecht             | 0:00                    |                      |
|     | TH Koomansland 10 3274CJ Heinenoord            | 0:47                    |                      |
|     | TI Abraham Kuyperhof 7 3274CW Heinenoord       | 2:56                    |                      |
|     | tI Steekkant 67 2993DB Barendrecht             | 0:00                    |                      |
|     | tJ Steekkant 52 2993DB Barendrecht             | 0:00                    |                      |
|     | TJ Kalesland 4 3274CH Heinenoord               | 1:02                    |                      |
|     | tK Müllerhaven 82 2993EA Barendrecht           | 0:00                    |                      |
|     | TK Oranjestraat 20 3274AK Heinenoord           | 0:00                    |                      |
|     | tL Müllerhaven 34 2993EA Barendrecht           | 0:00                    |                      |
|     | TL Dreeshof 2 3274CC Heinenoord                | 1:25                    |                      |
|     | TM Hermannushof 16 3274CE Heinenoord           | 1:40                    |                      |
|     | tM Steekkant 31 2993DB Barendrecht             | 0:00                    |                      |
|     | TN Wiardi Beckmanhof 14 3274CX Heinenoord      | 2:10                    |                      |
|     | tN Vederhaven 1 2993EB Barendrecht             | 0:00                    |                      |
|     | TO Wiardi Beckmanhof 2 3274CX Heinenoord       | 1:54                    |                      |
|     | tO Müllerhaven 50 2993EA Barendrecht           | 0:00                    |                      |
|     | tP Koedood 4 2993AL Barendrecht                | 0:00                    |                      |
|     | TP Beatrixstraat 17 3274AA Heinenoord          | 0:00                    |                      |
|     | tQ Smithaven 49 2993EC Barendrecht             | 0:00                    |                      |
|     | TQ John F. Kennedystraat 37 3274CG Heinenoord  | 1:08                    |                      |
|     | tR Koedood 2 a 2993AL Barendrecht              | 0:00                    |                      |
|     | TR Oranjestraat 11 A 3274AK Heinenoord         | 0:00                    |                      |
|     | TS Spuibedden 5 3274CM Heinenoord              | 1:17                    |                      |
|     | tS Kröllerhaven 6 2993ED Barendrecht           | 0:00                    |                      |
|     | TT Prof. Teldersstraat 4 3274MC Heinenoord     | 4:34                    |                      |
|     | tT Smithaven 22 2993EC Barendrecht             | 0:00                    |                      |
|     | TU Dorpsstraat 32 3274BD Heinenoord            | 0:00                    |                      |
|     | tU Steekkant 121 2993DB Barendrecht            | 0:00                    |                      |
|     | tV Steekkant 135 2993DB Barendrecht            | 0:00                    |                      |
|     | TV Prof. Teldersstraat 12 3274MC Heinenoord    | 4:28                    |                      |
|     | TW Marijkestraat 5 3274AJ Heinenoord           | 0:00                    |                      |
|     | tW Steekkant 113 2993DB Barendrecht            | 0:00                    |                      |
|     | tX Smithaven 55 2993EC Barendrecht             | 0:00                    |                      |
|     | TX Kalesland 9 3274CH Heinenoord               | 1:13                    |                      |
|     | TY Boerengorzen 11 3274CV Heinenoord           | 3:55                    |                      |
|     | tY Steekkant 56 2993DB Barendrecht             | 0:00                    |                      |
|     | TZ Irenestraat 18 3274AE Heinenoord            | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.                            | Name                 | Shadow, expected values |                      |
|--------------------------------|----------------------|-------------------------|----------------------|
|                                |                      | Shadow hours            | per year<br>[h/year] |
| tZ Smithaven 45 2993EC         | Barendrecht          | 0:00                    |                      |
| U Blaaksedijk West 29          | 3274LD Heinenoord    | 0:00                    |                      |
| •U Achterzeedijk 1 a 47        | 2991SB Barendrecht   | 3:13                    |                      |
| uA Müllerhaven 16              | 2993EA Barendrecht   | 0:00                    |                      |
| UA Wouter van den Walestr      | 64 3274CS Heinenoord | 0:40                    |                      |
| UB Avenhil 35                  | 3274CT Heinenoord    | 2:36                    |                      |
| uB Swarttouwhaven 68           | 2993HP Barendrecht   | 0:00                    |                      |
| UC Beatrixstraat 29            | 3274AA Heinenoord    | 0:00                    |                      |
| uC Steekkant 30                | 2993DB Barendrecht   | 0:00                    |                      |
| uD Steekkant 38                | 2993DB Barendrecht   | 0:00                    |                      |
| UD Wiardi Beckmanhof 3         | 3274CX Heinenoord    | 1:54                    |                      |
| UE Martin Luther Kingstraat 2  | 3274CK Heinenoord    | 0:43                    |                      |
| uE Meeshaven 3                 | 2993HN Barendrecht   | 0:00                    |                      |
| UF Rietwaard 7                 | 3274MA Heinenoord    | 5:12                    |                      |
| uF Van Hobokenhaven 51         | 2993HH Barendrecht   | 0:00                    |                      |
| uG Steekkant 42                | 2993DB Barendrecht   | 0:00                    |                      |
| UG Dorpsstraat 9               | 3274BB Heinenoord    | 0:00                    |                      |
| UH Oranjestraat 13             | 3274AK Heinenoord    | 0:00                    |                      |
| uH Meeshaven 1                 | 2993HN Barendrecht   | 0:00                    |                      |
| uI Steekkant 69                | 2993DB Barendrecht   | 0:00                    |                      |
| UI Avenhil 4                   | 3274CT Heinenoord    | 1:58                    |                      |
| UJ De Laagjes 15               | 3274CB Heinenoord    | 1:08                    |                      |
| uJ Aalwater 22                 | 2993DD Barendrecht   | 0:00                    |                      |
| UK Bernhardstraat 8            | 3274AB Heinenoord    | 0:00                    |                      |
| uK Steekkant 29                | 2993DB Barendrecht   | 0:00                    |                      |
| uL Steurwater 9                | 2993DE Barendrecht   | 0:00                    |                      |
| UL Margrietstraat 13           | 3274AH Heinenoord    | 0:00                    |                      |
| uM Smithaven 47                | 2993EC Barendrecht   | 0:00                    |                      |
| UM Irenestraat 15              | 3274AD Heinenoord    | 0:00                    |                      |
| uN Meeshaven 12                | 2993HN Barendrecht   | 0:00                    |                      |
| UN Rietwaard 26                | 3274MA Heinenoord    | 9:47                    |                      |
| uO Meeshaven 15                | 2993HN Barendrecht   | 0:00                    |                      |
| UO Avenhil 42                  | 3274CT Heinenoord    | 2:28                    |                      |
| uP Steekkant 117               | 2993DB Barendrecht   | 0:00                    |                      |
| UP Dreeshof 10                 | 3274CC Heinenoord    | 1:25                    |                      |
| uQ Steekkant 36                | 2993DB Barendrecht   | 0:00                    |                      |
| UQ Oosteinde 20                | 3274KC Heinenoord    | 3:53                    |                      |
| uR Calandhaven 7               | 2993HL Barendrecht   | 0:00                    |                      |
| UR John F. Kennedystraat 69    | 3274CG Heinenoord    | 3:20                    |                      |
| US De Laagjes 30               | 3274CB Heinenoord    | 1:20                    |                      |
| uS Calandhaven 5               | 2993HL Barendrecht   | 0:00                    |                      |
| UT Martin Luther Kingstraat 8  | 3274CK Heinenoord    | 0:43                    |                      |
| uT Van Hobokenhaven 55         | 2993HH Barendrecht   | 0:00                    |                      |
| UU Wiardi Beckmanhof 16        | 3274CX Heinenoord    | 2:10                    |                      |
| uU Kröllerhaven 25             | 2993ED Barendrecht   | 0:00                    |                      |
| uV Kröllerhaven 8              | 2993ED Barendrecht   | 0:00                    |                      |
| UV Thorbeckehof 9              | 3274CP Heinenoord    | 1:35                    |                      |
| uW Van Hobokenhaven 31         | 2993HH Barendrecht   | 0:00                    |                      |
| UW Emmastraat 24               | 3274AC Heinenoord    | 0:00                    |                      |
| UX John F. Kennedystraat 71    | 3274CG Heinenoord    | 3:26                    |                      |
| uX Steekkant 125               | 2993DB Barendrecht   | 0:00                    |                      |
| UY Avenhil 7                   | 3274CT Heinenoord    | 1:48                    |                      |
| uY Steekkant 157               | 2993DB Barendrecht   | 0:00                    |                      |
| UZ Irenestraat 34              | 3274AE Heinenoord    | 0:00                    |                      |
| uZ Steekkant 43                | 2993DB Barendrecht   | 0:00                    |                      |
| V Blaaksedijk West 25          | 3274LD Heinenoord    | 0:00                    |                      |
| •V Achterzeedijk 1 a 48        | 2991SB Barendrecht   | 3:24                    |                      |
| vA Swarttouwhaven 22           | 2993HP Barendrecht   | 0:00                    |                      |
| VA Martin Luther Kingstraat 12 | 3274CK Heinenoord    | 0:47                    |                      |
| vB Aalwater 6                  | 2993DD Barendrecht   | 0:00                    |                      |
| VB Buitelanden 2               | 3274MB Heinenoord    | 8:13                    |                      |
| vC Steekkant 49                | 2993DB Barendrecht   | 0:00                    |                      |
| VC Abraham Kuyperhof 1         | 3274CW Heinenoord    | 2:59                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| vD Steekkant 141 2993DB Barendrecht              |      | 0:00                                 |
| VD Kalesland 76 3274CH Heinenoord                |      | 1:32                                 |
| vE Meeshaven 6 2993HN Barendrecht                |      | 0:00                                 |
| VE Dreeshof 6 3274CC Heinenoord                  |      | 1:25                                 |
| VF John F. Kennedystraat 73 3274CG Heinenoord    |      | 3:29                                 |
| vF Meeshaven 10 2993HN Barendrecht               |      | 0:00                                 |
| VG Dreeshof 7 3274CC Heinenoord                  |      | 1:11                                 |
| vG Meeshaven 16 2993HN Barendrecht               |      | 0:00                                 |
| vH Müllerhaven 78 2993EA Barendrecht             |      | 0:00                                 |
| VH Dorpsstraat 3 3274BB Heinenoord               |      | 0:00                                 |
| vl Steekkant 3 2993DB Barendrecht                |      | 0:00                                 |
| VI Beatrixstraat 46 3274AA Heinenoord            |      | 0:00                                 |
| VJ Oranjestraat 24 3274AK Heinenoord             |      | 0:00                                 |
| vJ Steekkant 8 2993DB Barendrecht                |      | 0:00                                 |
| vK Steekkant 65 2993DB Barendrecht               |      | 0:00                                 |
| VK Avenhil 21 3274CT Heinenoord                  |      | 2:20                                 |
| VL Müllerhaven 20 2993EA Barendrecht             |      | 0:00                                 |
| VL Irenestraat 42 3274AE Heinenoord              |      | 0:00                                 |
| VM Kröllerhaven 17 2993ED Barendrecht            |      | 0:00                                 |
| VM Irenestraat 5 3274AD Heinenoord               |      | 0:00                                 |
| vN Steurwater 3 2993DE Barendrecht               |      | 0:00                                 |
| VN Prof. Teldersstraat 53 3274MC Heinenoord      |      | 5:03                                 |
| vO Steekkant 97 2993DB Barendrecht               |      | 0:00                                 |
| VO Wouter van den Walestr 38 3274CS Heinenoord   |      | 0:00                                 |
| VP Martin Luther Kingstraat 22 3274CK Heinenoord |      | 0:54                                 |
| vP Vederhaven 9 2993EB Barendrecht               |      | 0:00                                 |
| vQ Müllerhaven 2 2993EA Barendrecht              |      | 0:00                                 |
| VO Avenhil 33 3274CT Heinenoord                  |      | 2:41                                 |
| vR Vederhaven 19 2993EB Barendrecht              |      | 0:00                                 |
| VR Oosteinde 4 3274KC Heinenoord                 |      | 2:45                                 |
| VS Buitenlanden 3 3274MB Heinenoord              |      | 6:19                                 |
| vS Smithaven 41 2993EC Barendrecht               |      | 0:00                                 |
| VT Martin Luther Kingstraat 64 3274CL Heinenoord |      | 1:34                                 |
| vT Van Hobokenhaven 29 2993HH Barendrecht        |      | 0:00                                 |
| VU Buitenlanden 15 3274MB Heinenoord             |      | 5:42                                 |
| vU Zalmwater 147 2993DX Barendrecht              |      | 0:00                                 |
| vV Swarttouwhaven 64 2993HP Barendrecht          |      | 0:00                                 |
| VV Rietwaard 8 3274MA Heinenoord                 |      | 4:40                                 |
| VW Martin Luther Kingstraat 42 3274CL Heinenoord |      | 1:10                                 |
| vW Aalwater 12 2993DD Barendrecht                |      | 0:00                                 |
| vX Kröllerhaven 55 2993ED Barendrecht            |      | 0:00                                 |
| VX De Laagjes 10 3274CB Heinenoord               |      | 0:57                                 |
| vY Meeshaven 13 2993HN Barendrecht               |      | 0:00                                 |
| VY Martin Luther Kingstraat 16 3274CK Heinenoord |      | 0:50                                 |
| vZ Meeshaven 11 2993HN Barendrecht               |      | 0:00                                 |
| VZ Wouter van den Walestr 78 3274CS Heinenoord   |      | 0:41                                 |
| W Blaaksedijk West 30 3274LE Heinenoord          |      | 0:00                                 |
| •W Achterzeedijk 1 a 49 2991SB Barendrecht       |      | 2:37                                 |
| WA Marijkestraat 12 3274AJ Heinenoord            |      | 0:38                                 |
| wA Koedood 20 2993AL Barendrecht                 |      | 0:00                                 |
| WB Wouter van den Walestr 16 3274CR Heinenoord   |      | 0:00                                 |
| wB Zalmwater 145 2993DX Barendrecht              |      | 0:00                                 |
| WC Talmahof 10 3274CN Heinenoord                 |      | 1:04                                 |
| wC Zalmwater 149 2993DX Barendrecht              |      | 0:00                                 |
| WD Beatrixstraat 27 3274AA Heinenoord            |      | 0:00                                 |
| wD Kröllerhaven 49 2993ED Barendrecht            |      | 0:00                                 |
| wE Zalmwater 135 2993DX Barendrecht              |      | 0:00                                 |
| WE Oosteinde 18 3274KC Heinenoord                |      | 3:00                                 |
| WF Spuibelden 11 3274CM Heinenoord               |      | 1:17                                 |
| wF Steekkant 26 2993DB Barendrecht               |      | 0:00                                 |
| WG Avenhil 17 3274CT Heinenoord                  |      | 1:58                                 |
| wG Steekkant 46 2993DB Barendrecht               |      | 0:00                                 |
| WH Oosteinde 33 3274KB Heinenoord                |      | 1:52                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| wH Koedood 23 2993AL Barendrecht                 |      | 0:00                                 |
| WI Avenhil 39 3274CT Heinenoord                  |      | 2:52                                 |
| wI Meeshaven 17 2993HN Barendrecht               |      | 0:00                                 |
| wJ Swarttouwhaven 2 2993HP Barendrecht           |      | 0:00                                 |
| WJ Dorpsstraat 26 3274BD Heinenoord              |      | 0:00                                 |
| wK Steekkant 165 2993DB Barendrecht              |      | 0:00                                 |
| WK Prof. Teldersstraat 25 3274CZ Heinenoord      |      | 4:09                                 |
| wL Meeshaven 4 2993HN Barendrecht                |      | 0:00                                 |
| WL Kooimansland 24 3274CJ Heinenoord             |      | 0:46                                 |
| wM Meeshaven 9 2993HN Barendrecht                |      | 0:00                                 |
| WM De Laagjes 1 3274CB Heinenoord                |      | 0:55                                 |
| WN Hermannushof 8 3274CE Heinenoord              |      | 1:29                                 |
| wN Vederhaven 5 2993EB Barendrecht               |      | 0:00                                 |
| wO Koedood 27 2993AL Barendrecht                 |      | 0:00                                 |
| WO Bernhardstraat 7 3274AB Heinenoord            |      | 0:00                                 |
| wP Swarttouwhaven 4 2993HP Barendrecht           |      | 0:00                                 |
| WP Andries Woutershof 4 3274CA Heinenoord        |      | 1:02                                 |
| WQ Bernhardstraat 18 3274AB Heinenoord           |      | 0:00                                 |
| wQ Swarttouwhaven 6 2993HP Barendrecht           |      | 0:00                                 |
| wR Kröllerhaven 10 2993ED Barendrecht            |      | 0:00                                 |
| WR Spuivelden 19 3274CM Heinenoord               |      | 1:33                                 |
| wS Smithaven 24 2993EC Barendrecht               |      | 0:00                                 |
| WS Kalesland 40 3274CH Heinenoord                |      | 1:19                                 |
| WT Irenestraat 24 3274AE Heinenoord              |      | 0:00                                 |
| wT Kröllerhaven 45 2993ED Barendrecht            |      | 0:00                                 |
| WU Kalesland 30 3274CH Heinenoord                |      | 1:16                                 |
| wU Smithaven 16 2993EC Barendrecht               |      | 0:00                                 |
| WV Kalesland 42 3274CH Heinenoord                |      | 1:20                                 |
| wV Steekkant 151 2993DB Barendrecht              |      | 0:00                                 |
| WW De Laagjes 36 3274CB Heinenoord               |      | 1:26                                 |
| wW Kröllerhaven 35 2993ED Barendrecht            |      | 0:00                                 |
| WX Martin Luther Kingstraat 28 3274CK Heinenoord |      | 0:59                                 |
| wX Steekkant 58 2993DB Barendrecht               |      | 0:00                                 |
| WY Prof. Teldersstraat 45 3274MC Heinenoord      |      | 4:58                                 |
| wY Ruyshaven 1 2993HM Barendrecht                |      | 0:00                                 |
| wZ Zalmwater 137 2993DX Barendrecht              |      | 0:00                                 |
| WZ Oranjestraat 28 3274AK Heinenoord             |      | 0:00                                 |
| X Reedijk 4 3274KE Heinenoord                    |      | 0:00                                 |
| *X Achterzeedijk 1 a 50 2991SB Barendrecht       |      | 2:58                                 |
| XA John F. Kennedystraat 75 3274CG Heinenoord    |      | 3:32                                 |
| xA Müllerhaven 38 2993EA Barendrecht             |      | 0:00                                 |
| xB Steekkant 18 2993DB Barendrecht               |      | 0:00                                 |
| XB Thorbeckehof 7 3274CP Heinenoord              |      | 1:36                                 |
| xC Steekkant 21 2993DB Barendrecht               |      | 0:00                                 |
| XC Abraham Kuyperhof 13 3274CW Heinenoord        |      | 3:24                                 |
| xD Vederhaven 13 2993EB Barendrecht              |      | 0:00                                 |
| XD John F. Kennedystraat 51 3274CG Heinenoord    |      | 1:27                                 |
| xE Van Hobokenhoven 17 2993HH Barendrecht        |      | 0:00                                 |
| XE John F. Kennedystraat 17 3274CG Heinenoord    |      | 0:49                                 |
| xF Kabbelkant 12 2993DC Barendrecht              |      | 0:00                                 |
| XF Oranjestraat 21 3274AK Heinenoord             |      | 0:00                                 |
| xG Müllerhaven 14 2993EA Barendrecht             |      | 0:00                                 |
| XG Avenhil 38 3274CT Heinenoord                  |      | 2:49                                 |
| xH Steekkant 71 2993DB Barendrecht               |      | 0:00                                 |
| XH De Laagjes 14 3274CB Heinenoord               |      | 1:04                                 |
| XI Emmastraat 9 3274AC Heinenoord                |      | 0:00                                 |
| xi Swarttouwhaven 50 2993HP Barendrecht          |      | 0:00                                 |
| XJ Abraham Kuyperhof 4 3274CW Heinenoord         |      | 3:01                                 |
| xJ Koedood 29 3161GE Rhoon                       |      | 0:00                                 |
| xK Koedood 29 3161GE Rhoon                       |      | 0:00                                 |
| KK Boerengorzen 6 3274CV Heinenoord              |      | 3:29                                 |
| XL Kalesland 17 3274CH Heinenoord                |      | 1:21                                 |
| xL Weerkant 60 2993DA Barendrecht                |      | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| xM  | Spieringwater 1 2993DM Barendrecht            | 0:00  |              |
| XM  | Julianalaan 36 3274AG Heinenoord              | 0:00  |              |
| xN  | Weerkant 134 2993DA Barendrecht               | 0:00  |              |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 0:00  |              |
| xO  | Harderwater 78 2993DW Barendrecht             | 0:00  |              |
| XO  | Talmahof 3 3274CN Heinenoord                  | 0:52  |              |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 0:54  |              |
| xP  | Harderwater 76 2993DW Barendrecht             | 0:00  |              |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 1:21  |              |
| xQ  | Weerkant 17 2993DA Barendrecht                | 0:00  |              |
| xR  | Kuilkant 167 2993DV Barendrecht               | 0:00  |              |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 0:00  |              |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 0:00  |              |
| xS  | Weerkant 38 2993DA Barendrecht                | 0:00  |              |
| xt  | Weerkant 14 2993DA Barendrecht                | 0:00  |              |
| XT  | Hermannushof 20 3274CE Heinenoord             | 1:54  |              |
| xU  | Weerkant 132 2993DA Barendrecht               | 0:00  |              |
| XU  | Kalesland 50 3274CH Heinenoord                | 1:26  |              |
| xV  | Weerkant 19 2993DA Barendrecht                | 0:00  |              |
| XV  | Buitenlanden 6 3274MB Heinenoord              | 6:59  |              |
| XW  | Avenhil 1 3274CT Heinenoord                   | 2:04  |              |
| xW  | Harderwater 80 2993DW Barendrecht             | 0:00  |              |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 0:00  |              |
| xX  | Weerkant 12 2993DA Barendrecht                | 0:00  |              |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 3:24  |              |
| xY  | Zalmwater 115 2993DX Barendrecht              | 0:00  |              |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 2:29  |              |
| xZ  | Weerkant 112 2993DA Barendrecht               | 0:00  |              |
| Y   | Blaakseindijk West 35 3274LD Heinenoord       | 0:00  |              |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 3:12  |              |
| yA  | Weerkant 76 2993DA Barendrecht                | 0:00  |              |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 0:00  |              |
| yB  | Weerkant 100 2993DA Barendrecht               | 0:00  |              |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 0:00  |              |
| YC  | De Laagjes 6 3274CB Heinenoord                | 0:56  |              |
| yC  | Weerkant 92 2993DA Barendrecht                | 0:00  |              |
| YD  | Rietwaard 16 3274MA Heinenoord                | 4:32  |              |
| yD  | Weerkant 6 2993DA Barendrecht                 | 0:00  |              |
| YE  | De Laagjes 3 3274CB Heinenoord                | 0:56  |              |
| yE  | Weerkant 46 2993DA Barendrecht                | 0:00  |              |
| yF  | Weerkant 18 2993DA Barendrecht                | 0:00  |              |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 3:23  |              |
| yG  | Weerkant 64 2993DA Barendrecht                | 0:00  |              |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 0:00  |              |
| yH  | Weerkant 118 2993DA Barendrecht               | 0:00  |              |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 0:00  |              |
| yI  | Harderwater 49 2993DW Barendrecht             | 0:00  |              |
| YI  | Avenhil 8 3274CT Heinenoord                   | 1:49  |              |
| yJ  | Weerkant 94 2993DA Barendrecht                | 0:00  |              |
| YJ  | Kalesland 66 3274CH Heinenoord                | 1:39  |              |
| yK  | Weerkant 1 2993DA Barendrecht                 | 0:00  |              |
| YK  | Kalesland 2 3274CH Heinenoord                 | 1:02  |              |
| YL  | Zalmwater 125 2993DX Barendrecht              | 0:00  |              |
| YL  | Koomansland 3 3274CJ Heinenoord               | 0:54  |              |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 1:26  |              |
| yM  | Weerkant 114 2993DA Barendrecht               | 0:00  |              |
| yN  | Weerkant 20 2993DA Barendrecht                | 0:00  |              |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 5:27  |              |
| yO  | Weerkant 138 2993DA Barendrecht               | 0:00  |              |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 0:00  |              |
| YP  | Kalesland 60 3274CH Heinenoord                | 1:35  |              |
| yP  | Weerkant 48 2993DA Barendrecht                | 0:00  |              |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 0:00  |              |

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Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:51/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| YQ  | Julianalaan 44 3274AG Heinenoord              | 0:00                                 |
| yR  | Weerkant 24 2993DA Barendrecht                | 0:00                                 |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 2:17                                 |
| YS  | Rietwaard 19 3274MA Heinenoord                | 6:39                                 |
| yS  | Spieringwater 13 2993DM Barendrecht           | 0:00                                 |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 0:00                                 |
| yT  | Weerkant 62 2993DA Barendrecht                | 0:00                                 |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 0:00                                 |
| yU  | Weerkant 146 2993DA Barendrecht               | 0:00                                 |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 3:00                                 |
| yV  | Weerkant 82 2993DA Barendrecht                | 0:00                                 |
| yW  | Spieringwater 9 2993DM Barendrecht            | 0:00                                 |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 1:26                                 |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 0:00                                 |
| yX  | Weerkant 136 2993DA Barendrecht               | 0:00                                 |
| yY  | Weerkant 158 2993DA Barendrecht               | 0:00                                 |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 1:03                                 |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 1:37                                 |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 0:00                                 |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 0:00                                 |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 3:24                                 |
| zA  | Weerkant 86 2993DA Barendrecht                | 0:00                                 |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 0:48                                 |
| zB  | Weerkant 32 2993DA Barendrecht                | 0:00                                 |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 0:00                                 |
| zC  | Spieringwater 5 2993DM Barendrecht            | 0:00                                 |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 4:30                                 |
| ZD  | Kalesland 34 3274CH Heinenoord                | 1:15                                 |
| zD  | Weerkant 126 2993DA Barendrecht               | 0:00                                 |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 1:54                                 |
| zE  | Weerkant 30 2993DA Barendrecht                | 0:00                                 |
| zF  | Weerkant 104 2993DA Barendrecht               | 0:00                                 |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 4:58                                 |
| zG  | Weerkant 70 2993DA Barendrecht                | 0:00                                 |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 2:28                                 |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 1:55                                 |
| zH  | Weerkant 10 2993DA Barendrecht                | 0:00                                 |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 2:02                                 |
| zI  | Weerkant 33 2993DA Barendrecht                | 0:00                                 |
| zJ  | Weerkant 26 2993DA Barendrecht                | 0:00                                 |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 0:00                                 |
| zK  | Weerkant 130 2993DA Barendrecht               | 0:00                                 |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 0:00                                 |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 0:40                                 |
| zL  | Weerkant 4 2993DA Barendrecht                 | 0:00                                 |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 2:06                                 |
| zM  | Weerkant 68 2993DA Barendrecht                | 0:00                                 |
| zN  | Weerkant 96 2993DA Barendrecht                | 0:00                                 |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 1:04                                 |
| zO  | Weerkant 34 2993DA Barendrecht                | 0:00                                 |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 0:00                                 |
| zP  | Weerkant 31 2993DA Barendrecht                | 0:00                                 |
| ZP  | Koimansland 7 3274CJ Heinenoord               | 0:55                                 |
| zQ  | Weerkant 148 2993DA Barendrecht               | 0:00                                 |
| ZQ  | Talmahof 5 3274CN Heinenoord                  | 0:51                                 |
| ZR  | Irenestraat 14 3274AE Heinenoord              | 0:00                                 |
| zR  | Weerkant 144 2993DA Barendrecht               | 0:00                                 |
| zS  | Weerkant 116 2993DA Barendrecht               | 0:00                                 |
| ZS  | Oosteinde 26 3274KC Heinenoord                | 4:15                                 |
| ZT  | John F. Kennedystraat 25 3274CG Heinenoord    | 0:55                                 |
| zT  | Spieringwater 11 2993DM Barendrecht           | 0:00                                 |
| zU  | Weerkant 140 2993DA Barendrecht               | 0:00                                 |
| ZU  | Wouter van den Walestr 58 3274CS Heinenoord   | 0:00                                 |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:

Slagschaduw

Opstelling 2c

Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:51/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Ondergrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
|     | zV Weerkant 42 2993DA Barendrecht              | 0:00                    |                      |
|     | ZV Margrietstraat 16 3274AH Heinenoord         | 0:00                    |                      |
|     | ZW Bernhardstraat 1 A 3274AB Heinenoord        | 0:00                    |                      |
|     | zW Weerkant 122 2993DA Barendrecht             | 0:00                    |                      |
|     | zX Weerkant 168 2993DA Barendrecht             | 0:00                    |                      |
|     | ZX De Laagjes 13 3274CB Heinenoord             | 1:08                    |                      |
|     | ZY Marijkestraat 3 3274AJ Heinenoord           | 0:00                    |                      |
|     | ZY Weerkant 80 2993DA Barendrecht              | 0:00                    |                      |
|     | ZZ Wouter van den Walestr 46 3274CS Heinenoord | 0:39                    |                      |
|     | zz Weerkant 106 2993DA Barendrecht             | 0:00                    |                      |

Total amount of flickering on the shadow receptors caused by each WTG

| No. | Name | Worst case | Expected |
|-----|------|------------|----------|
|     |      | [h/year]   | [h/year] |
| 1   | WT1  | 78:51      | 21:24    |
| 2   | WT2  | 50:03      | 12:14    |
| 3   | WT3  | 68:34      | 12:26    |
| 4   | WT4  | 99:47      | 17:00    |
| 5   | WT5  | 173:33     | 36:33    |

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

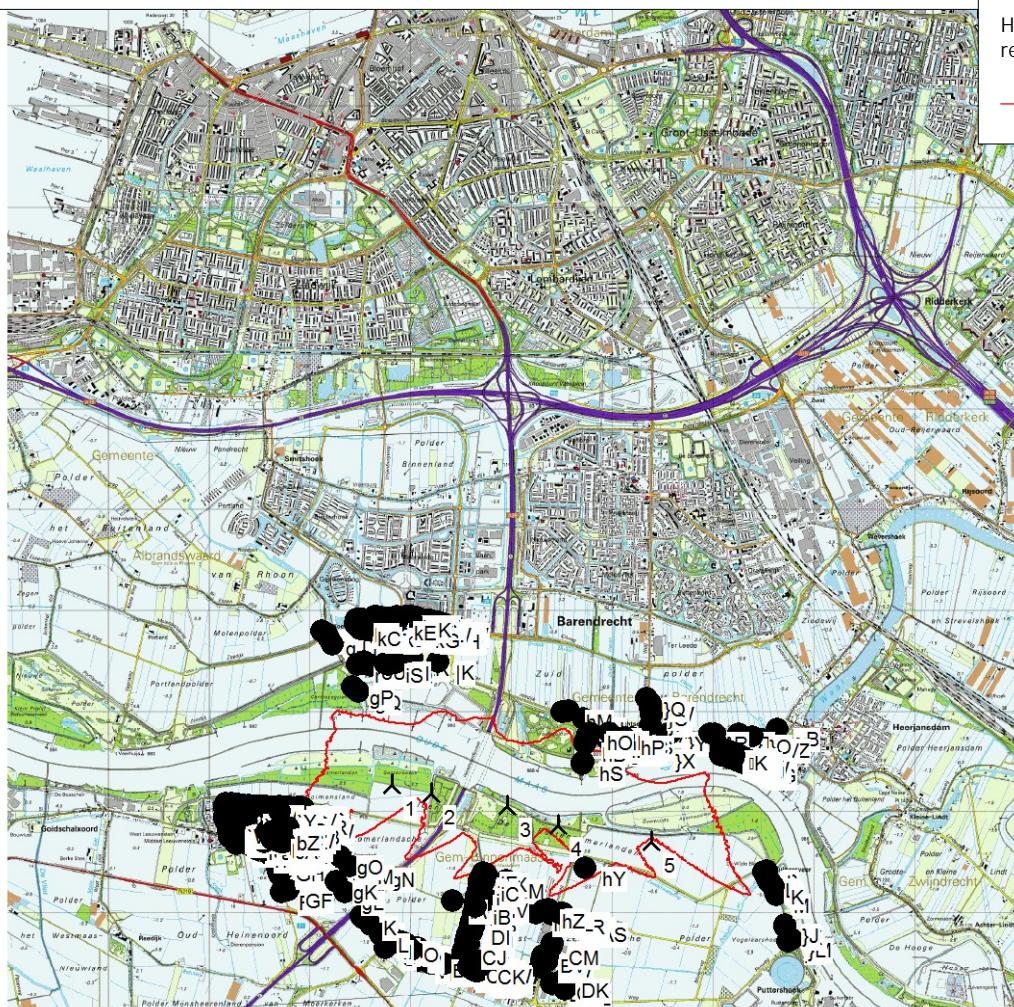
Opstelling 2c

Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 10:51/3.0.654

## SHADOW - Map

Calculation: Windpark Binnenmaas VKA Ondergrens



0 1 2 3 4 km

Map: Bitmap map: 37H\_Rotterdam\_2004.tif , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2000 East: 94.840 North: 427.040

New WTG      Shadow receptor

Flicker map level: 0 m above sea level

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

### Assumptions for shadow calculations

Maximum distance for influence

Calculate only when more than 20 % of sun is covered by the blade

Please look in WTG table

Minimum sun height over horizon for influence

5 °

Day step for calculation

1 days

Time step for calculation

1 minutes

Sunshine probability S (Average daily sunshine hours) []

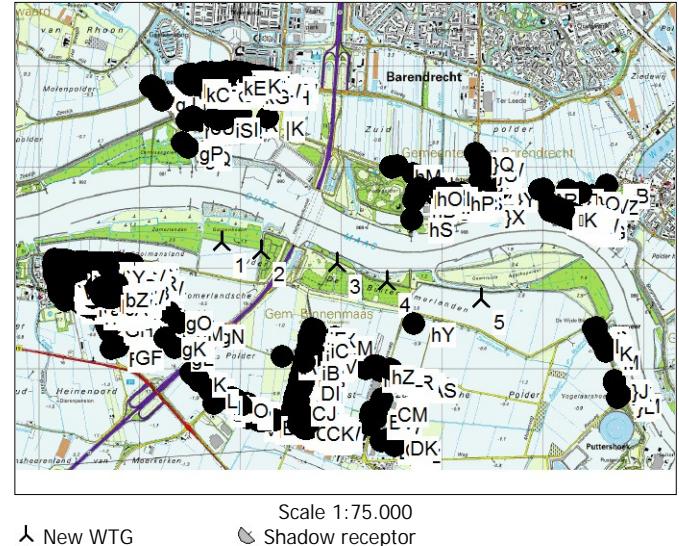
| Jan  | Feb  | Mar  | Apr  | May  | Jun  | Jul  | Aug  | Sep  | Oct  | Nov  | Dec  |
|------|------|------|------|------|------|------|------|------|------|------|------|
| 2,39 | 3,03 | 4,59 | 6,77 | 7,13 | 7,63 | 7,07 | 6,03 | 5,25 | 3,91 | 2,07 | 1,80 |

Operational time

| N   | NNE | ENE | E   | ESE | SSE | S     | SSW   | WSW   | W   | NNW | NNW | Sum   |
|-----|-----|-----|-----|-----|-----|-------|-------|-------|-----|-----|-----|-------|
| 521 | 607 | 604 | 415 | 381 | 628 | 1.003 | 1.019 | 1.085 | 799 | 637 | 717 | 8.416 |

Idle start wind speed: Cut in wind speed from power curve

All coordinates are in  
Dutch Stereo-RD/NAP 2000



### WTGs

| X (east) | Y (north) | Z       | Row data/Description | WTG type |           | Power, rated [kW] | Rotor diameter [m] | Hub height [m] | Shadow data      |           |
|----------|-----------|---------|----------------------|----------|-----------|-------------------|--------------------|----------------|------------------|-----------|
|          |           |         |                      | Valid    | Manufact. |                   |                    |                | RPM distance [m] | [RPM]     |
| 1        | 93.812    | 427.259 | 0,0 WT1              | Yes      | SEVENION  | 3.4M140-3.400     | 3.400              | 140,0          | 117,0            | 5.000 0,0 |
| 2        | 94.203    | 427.173 | 0,0 WT2              | Yes      | SEVENION  | 3.4M140-3.400     | 3.400              | 140,0          | 117,0            | 5.000 0,0 |
| 3        | 94.958    | 427.049 | 0,0 WT3              | Yes      | SEVENION  | 3.4M140-3.400     | 3.400              | 140,0          | 117,0            | 5.000 0,0 |
| 4        | 95.455    | 426.864 | 0,0 WT4              | Yes      | SEVENION  | 3.4M140-3.400     | 3.400              | 140,0          | 117,0            | 5.000 0,0 |
| 5        | 96.388    | 426.695 | 0,0 WT5              | Yes      | SEVENION  | 3.4M140-3.400     | 3.400              | 140,0          | 117,0            | 5.000 0,0 |

### Shadow receptor-Input

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height a.g.l. | Degrees from south | Slope of window cw | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|---------------|--------------------|--------------------|--------------------|
| [A Kalesland 11 3274CH Heinenoord                |      | 92.554   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [B Prof. Teldersstraat 39 3274MC Heinenoord      |      | 92.851   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [C Bernhardstraat 1 C 3274AB Heinenoord          |      | 92.194   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [D Wiardi Beckmanhof 17 3274CX Heinenoord        |      | 92.701   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [E Abraham Kuyperhof 15 3274CW Heinenoord        |      | 92.765   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [F Margrietstraat 4 3274AH Heinenoord            |      | 92.287   | 426.838   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [G Wiardi Beckmanhof 6 3274CX Heinenoord         |      | 92.663   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [H Rietwaard 9 3274MA Heinenoord                 |      | 92.843   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [I Kalesland 20 3274CH Heinenoord                |      | 92.504   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [J Rietwaard 11 3274MA Heinenoord                |      | 92.852   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [K Buitenlanden 14 3274MB Heinenoord             |      | 92.936   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [L Abraham Kuyperhof 11 3274CW Heinenoord        |      | 92.766   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [M John F. Kennedystraat 29 3274CG Heinenoord    |      | 92.484   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [N Marijkestraat 19 3274AJ Heinenoord            |      | 92.322   | 427.058   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [O Avenhil 41 3274CT Heinenoord                  |      | 92.704   | 426.871   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [P Oosteinde 35 3274KB Heinenoord                |      | 92.706   | 426.617   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [Q Martin Luther Kingstraat 26 3274CK Heinenoord |      | 92.473   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [R Oranjestraat 27 3274AK Heinenoord             |      | 92.272   | 426.917   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [S John F. Kennedystraat 8 3274CG Heinenoord     |      | 92.673   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [T Emmastraat 14 3274AC Heinenoord               |      | 92.274   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [U Irenestraat 23 3274AD Heinenoord              |      | 92.246   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [V Spuivelden 3 3274CM Heinenoord                |      | 92.529   | 426.819   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [W Beatrixstraat 42 3274AA Heinenoord            |      | 92.208   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [X Buitenlanden 7 3274MB Heinenoord              |      | 92.888   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [Y Koimansland 38 3274CJ Heinenoord              |      | 92.445   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| [Z Kalesland 16 3274CH Heinenoord                |      | 92.492   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |
| \A Kalesland 8 3274CH Heinenoord                 |      | 92.480   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5           | 0,0                | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| \B  | Talmahof 1 3274CN Heinenoord                  | 92.433   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \C  | Koimansland 17 3274CJ Heinenoord              | 92.481   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \D  | Irenestraat 22 3274AE Heinenoord              | 92.266   | 426.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \E  | John F. Kennedystraat 65 3274CG Heinenoord    | 92.703   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \F  | Spuivelden 10 3274CM Heinenoord               | 92.582   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \G  | Thorbeckehof 5 3274CP Heinenoord              | 92.607   | 426.997   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \H  | Spuivelden 6 3274CM Heinenoord                | 92.571   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \I  | Prof. Teldersstraat 29 3274CZ Heinenoord      | 92.824   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \J  | John F. Kennedystraat 45 3274CG Heinenoord    | 92.531   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 92.724   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 92.812   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 92.729   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \N  | De Laagjes 11 3274CB Heinenoord               | 92.476   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 92.521   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 92.877   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 92.229   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 92.332   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 92.832   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 92.402   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 92.863   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 92.222   | 427.076   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \W  | Spuivelden 7 3274CM Heinenoord                | 92.530   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \X  | Avenhil 19 3274CT Heinenoord                  | 92.686   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 92.588   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 92.262   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]A  | Buitelanden 11 3274MB Heinenoord              | 92.893   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 92.490   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 92.826   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 92.452   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 92.765   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 92.407   | 426.696   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]G  | Buitelanden 16 3274MB Heinenoord              | 92.936   | 427.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 92.842   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 92.887   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]J  | Kalesland 44 3274CH Heinenoord                | 92.555   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 92.700   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 92.403   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 92.938   | 426.698   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 92.729   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]O  | Buitelanden 19 3274MB Heinenoord              | 92.903   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]P  | Kalesland 14 3274CH Heinenoord                | 92.488   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 92.587   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 92.737   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 92.632   | 426.678   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 92.513   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 92.432   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 92.561   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]W  | Kalesland 13 3274CH Heinenoord                | 92.554   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 92.406   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 92.572   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 92.743   | 427.040   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^A  | Kalesland 24 3274CH Heinenoord                | 92.513   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^B  | Buitelanden 5 3274MB Heinenoord               | 92.887   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 92.421   | 426.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 92.565   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^E  | Kalesland 54 3274CH Heinenoord                | 92.574   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 92.216   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 92.333   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 92.368   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 92.721   | 426.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 92.278   | 427.023   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 92.367   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 92.157   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ^M  | Kalesland 48 3274CH Heinenoord                | 92.564   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^N  | Buitenlanden 9 3274MB Heinenoord              | 92.893   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 92.668   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^P  | Kalesland 74 3274CH Heinenoord                | 92.592   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 92.810   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 92.266   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 92.458   | 426.756   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^T  | Kalesland 15 3274CH Heinenoord                | 92.555   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^U  | Buitenlanden 10 3274MB Heinenoord             | 92.928   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 92.571   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 92.532   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 92.857   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 92.334   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 92.766   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _A  | Kalesland 12 3274CH Heinenoord                | 92.480   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _B  | Hermannushof 18 3274CE Heinenoord             | 92.560   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 92.175   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 92.832   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 92.292   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _F  | Emmastraat 18 3274AC Heinenoord               | 92.284   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 92.765   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 92.669   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 92.793   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 92.166   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _K  | Avenhil 26 3274CT Heinenoord                  | 92.726   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _L  | Spuivelden 4 3274CM Heinenoord                | 92.566   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 92.332   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 92.432   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _O  | Rietwaard 12 3274MA Heinenoord                | 92.800   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 92.244   | 426.853   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Q  | Kalesland 62 3274CH Heinenoord                | 92.596   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 92.586   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _S  | Koimansland 20 3274CJ Heinenoord              | 92.390   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 92.781   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _U  | Talmahof 12 3274CN Heinenoord                 | 92.490   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 92.793   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _W  | Rietwaard 15 3274MA Heinenoord                | 92.870   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _X  | Oosteinde 43 3274KB Heinenoord                | 92.634   | 426.606   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 92.470   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 92.204   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 92.877   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 92.471   | 426.753   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 92.501   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 92.257   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 92.575   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `F  | Irenestraat 32 3274AE Heinenoord              | 92.297   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 92.396   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 92.362   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 92.832   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 92.329   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `K  | De Laagjes 32 3274CB Heinenoord               | 92.532   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 92.286   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `M  | Irenestraat 11 3274AD Heinenoord              | 92.241   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 92.193   | 426.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 92.800   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 92.168   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 92.329   | 426.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 92.698   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 92.799   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `T  | Emmastraat 36 3274AC Heinenoord               | 92.191   | 426.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 92.256   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `V  | Spuivelden 27 3274CM Heinenoord               | 92.576   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 92.199   | 426.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                        | Name                   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|----------------------------|------------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                            |                        |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ` X Wouter van den Walestr | 62 3274CS Heinenoord   | 92.365   | 426.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ` Y John F. Kennedystraat  | 61 3274CG Heinenoord   | 92.692   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ` Z Wouter van den Walestr | 68 3274CS Heinenoord   | 92.368   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { A Weerkant               | 88 2993DA Barendrecht  | 94.229   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { B Weerkant               | 5 2993DA Barendrecht   | 94.255   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { C Weerkant               | 72 2993DA Barendrecht  | 94.321   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { D Zalmwater              | 111 2993DX Barendrecht | 94.221   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { E Weerkant               | 37 2993DA Barendrecht  | 94.178   | 428.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { F Weerkant               | 166 2993DA Barendrecht | 94.229   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { G Weerkant               | 128 2993DA Barendrecht | 94.222   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { H Weerkant               | 56 2993DA Barendrecht  | 94.319   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { I Weerkant               | 23 2993DA Barendrecht  | 94.216   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { J Weerkant               | 25 2993DA Barendrecht  | 94.210   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { K Weerkant               | 21 2993DA Barendrecht  | 94.221   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { L Weerkant               | 66 2993DA Barendrecht  | 94.313   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { M Weerkant               | 120 2993DA Barendrecht | 94.229   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { N Zalmwater              | 121 2993DX Barendrecht | 94.188   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { O Weerkant               | 22 2993DA Barendrecht  | 94.321   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { P Weerkant               | 162 2993DA Barendrecht | 94.223   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Q Zalmwater              | 123 2993DX Barendrecht | 94.182   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { R Weerkant               | 54 2993DA Barendrecht  | 94.311   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { S Weerkant               | 44 2993DA Barendrecht  | 94.316   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { T Weerkant               | 108 2993DA Barendrecht | 94.225   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { U Weerkant               | 8 2993DA Barendrecht   | 94.322   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { V Weerkant               | 150 2993DA Barendrecht | 94.227   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { W Zalmwater              | 131 2993DX Barendrecht | 94.156   | 428.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { X Weerkant               | 35 2993DA Barendrecht  | 94.183   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Y Weerkant               | 28 2993DA Barendrecht  | 94.314   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Z Weerkant               | 98 2993DA Barendrecht  | 94.230   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { A Weerkant               | 124 2993DA Barendrecht | 94.225   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { B Weerkant               | 52 2993DA Barendrecht  | 94.320   | 428.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { C Kuikant                | 169 2993DV Barendrecht | 94.338   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { D Weerkant               | 36 2993DA Barendrecht  | 94.312   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { E Weerkant               | 2 2993DA Barendrecht   | 94.320   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { F Weerkant               | 27 2993DA Barendrecht  | 94.205   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { G Weerkant               | 29 2993DA Barendrecht  | 94.199   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { H Weerkant               | 90 2993DA Barendrecht  | 94.227   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { I Weerkant               | 160 2993DA Barendrecht | 94.221   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { J Zalmwater              | 117 2993DX Barendrecht | 94.201   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { K Koedood                | 2 2993AL Barendrecht   | 94.270   | 428.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { L Weerkant               | 11 2993DA Barendrecht  | 94.254   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { M Weerkant               | 15 2993DA Barendrecht  | 94.237   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { N Weerkant               | 16 2993DA Barendrecht  | 94.321   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { O Weerkant               | 40 2993DA Barendrecht  | 94.316   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { P Weerkant               | 74 2993DA Barendrecht  | 94.322   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Q Weerkant               | 78 2993DA Barendrecht  | 94.314   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { R Weerkant               | 102 2993DA Barendrecht | 94.227   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { S Harderwater            | 51 2993DW Barendrecht  | 94.274   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { T Zalmwater              | 119 2993DX Barendrecht | 94.195   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { U Zalmwater              | 129 2993DX Barendrecht | 94.163   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { V Weerkant               | 156 2993DA Barendrecht | 94.221   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { W Spieringwater          | 3 2993DM Barendrecht   | 94.158   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { X Weerkant               | 7 2993DA Barendrecht   | 94.255   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Y Weerkant               | 13 2993DA Barendrecht  | 94.254   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { Z Weerkant               | 3 2993DA Barendrecht   | 94.256   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { A Weerkant               | 9 2993DA Barendrecht   | 94.255   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { B Weerkant               | 110 2993DA Barendrecht | 94.227   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { C Weerkant               | 142 2993DA Barendrecht | 94.233   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { D Weerkant               | 154 2993DA Barendrecht | 94.223   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { E Weerkant               | 164 2993DA Barendrecht | 94.225   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { F Weerkant               | 152 2993DA Barendrecht | 94.225   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { G Zalmwater              | 113 2993DX Barendrecht | 94.213   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| { H Weerkant               | 50 2993DA Barendrecht  | 94.322   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name                                       | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| JI  | Weerkant 58 2993DA Barendrecht             | 94.317   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JJ  | Kuipersveer 9 3274KH Heinenoord            | 97.706   | 425.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JK  | Kuipersveer 7 3274KH Heinenoord            | 97.711   | 425.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JL  | Kuipersveer 3 3274KH Heinenoord            | 97.762   | 425.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JM  | Kuipersveer 5 3274KH Heinenoord            | 97.770   | 425.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JN  | Kuipersveer 1 A 3274KH Heinenoord          | 97.737   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Ziedewijdsekade 14 2991VS Barendrecht      | 97.379   | 427.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | 3e Barendrechtseweg 555 2991SH Barendrecht | 96.384   | 427.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | 3e Barendrechtseweg 454 2992SN Barendrecht | 96.331   | 428.132   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | Ziedewijdsekade 36 2991SE Barendrecht      | 96.966   | 427.774   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | 3e Barendrechtseweg 545 2991SH Barendrecht | 96.375   | 428.030   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Ziedewijdsekade 18 2991VS Barendrecht      | 97.248   | 427.775   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JU  | Ziedewijdsekade 72 2991SE Barendrecht      | 96.547   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | Ziedewijdsekade 1 2991VS Barendrecht       | 97.493   | 427.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | 3e Barendrechtseweg 541 2991SH Barendrecht | 96.375   | 428.077   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Achterzeedijk 11 2991SB Barendrecht        | 96.449   | 427.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JY  | Ziedewijdsekade 70 2991SE Barendrecht      | 96.571   | 427.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Ziedewijdsekade 10 2991VS Barendrecht      | 97.590   | 427.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~A  | 3e Barendrechtseweg 559 2991SH Barendrecht | 96.372   | 427.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~B  | Ziedewijdsekade 12 2991VS Barendrecht      | 97.633   | 427.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~C  | Ziedewijdsekade 34 2991SE Barendrecht      | 97.009   | 427.777   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~D  | Achterzeedijk 1 2991SB Barendrecht         | 97.077   | 427.630   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~E  | Achterzeedijk 1 a 1 2991SB Barendrecht     | 97.394   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~F  | Achterzeedijk 1 a 2 2991SB Barendrecht     | 97.392   | 427.477   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~G  | Achterzeedijk 1 a 3 2991SB Barendrecht     | 97.386   | 427.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~H  | Achterzeedijk 1 a 4 2991SB Barendrecht     | 97.382   | 427.439   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~I  | Achterzeedijk 1 a 6 2991SB Barendrecht     | 97.368   | 427.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~J  | Achterzeedijk 1 a 7 2991SB Barendrecht     | 97.356   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~K  | Achterzeedijk 1 a 8 2991SB Barendrecht     | 97.347   | 427.453   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~L  | Achterzeedijk 1 a 9 2991SB Barendrecht     | 97.345   | 427.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~M  | Achterzeedijk 1 a 10 2991SB Barendrecht    | 97.346   | 427.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~N  | Achterzeedijk 1 a 11 2991SB Barendrecht    | 97.338   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~O  | Achterzeedijk 1 a 12 2991SB Barendrecht    | 97.333   | 427.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~P  | Achterzeedijk 1 a 14 2991SB Barendrecht    | 97.319   | 427.508   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~Q  | Achterzeedijk 1 a 16 2991SB Barendrecht    | 97.301   | 427.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~R  | Achterzeedijk 1 a 17 2991SB Barendrecht    | 97.297   | 427.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~S  | Achterzeedijk 1 a 18 2991SB Barendrecht    | 97.294   | 427.518   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~T  | Achterzeedijk 1 a 19 2991SB Barendrecht    | 97.294   | 427.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~U  | Achterzeedijk 1 a 20 2991SB Barendrecht    | 97.285   | 427.484   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~V  | Achterzeedijk 1 a 21 2991SB Barendrecht    | 97.284   | 427.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~W  | Achterzeedijk 1 a 22 2991SB Barendrecht    | 97.273   | 427.526   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~X  | Achterzeedijk 1 a 23 2991SB Barendrecht    | 97.261   | 427.513   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~Y  | Achterzeedijk 1 a 24 2991SB Barendrecht    | 97.252   | 427.494   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ~Z  | Achterzeedijk 1 a 26 2991SB Barendrecht    | 97.250   | 427.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?AA | Achterzeedijk 1 a 53 2991SB Barendrecht    | 97.085   | 427.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?BA | Achterzeedijk 1 a 54 2991SB Barendrecht    | 97.079   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?CA | Achterzeedijk 1 a 55 2991SB Barendrecht    | 97.075   | 427.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?DA | Achterzeedijk 1 a 56 2991SB Barendrecht    | 97.069   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?EA | Achterzeedijk 1 a 13 2991SB Barendrecht    | 97.329   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?FA | Achterzeedijk 1 a 15 2991SB Barendrecht    | 97.311   | 427.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?GA | Achterzeedijk 1 a 25 2991SB Barendrecht    | 97.249   | 427.554   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?HA | Achterzeedijk 1 a 5 2991SB Barendrecht     | 97.378   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?IK | Kuipersveer 15 3274KH Heinenoord           | 97.606   | 426.230   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?JK | Kuipersveer 31 3274KH Heinenoord           | 97.501   | 426.403   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?KK | Kuipersveer 15 A 3274KH Heinenoord         | 97.591   | 426.257   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?LK | Kuipersveer 23 3274KH Heinenoord           | 97.535   | 426.329   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?MK | Kuipersveer 13 3274KH Heinenoord           | 97.623   | 426.174   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?NK | Kuipersveer 15 D 3274KH Heinenoord         | 97.562   | 426.295   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?OK | Kuipersveer 19 3274KH Heinenoord           | 97.545   | 426.312   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?PK | Kuipersveer 25 3274KH Heinenoord           | 97.526   | 426.343   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?QK | Kuipersveer 21 3274KH Heinenoord           | 97.539   | 426.323   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?RK | Kuipersveer 35 3274KH Heinenoord           | 97.529   | 426.410   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ?SK | Kuipersveer 15 C 3274KH Heinenoord         | 97.576   | 426.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| ?TKuipersveer 17               | 3274KH Heinenoord  | 97.549   | 426.307   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| A Blaaksedijk West 28          | 3274LE Heinenoord  | 94.023   | 425.651   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •A Achterzeedijk 1 a 27        | 2991SB Barendrecht | 97.243   | 427.520   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AA Blaaksedijk West 26         | 3274LE Heinenoord  | 94.070   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aA Martin Luther Kingstraat 44 | 3274CL Heinenoord  | 92.526   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AB Doormanstraat 15            | 3274LK Heinenoord  | 94.658   | 425.375   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ab Rietwaard 22                | 3274MA Heinenoord  | 92.878   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aC Kalesland 68                | 3274CH Heinenoord  | 92.605   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AC Mollekade 11                | 3274LN Heinenoord  | 94.528   | 425.645   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aD Hermannushof 12             | 3274CE Heinenoord  | 92.541   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AD Boonsweg 55                 | 3274LH Heinenoord  | 95.277   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AE Doormanstraat 19            | 3274LK Heinenoord  | 94.664   | 425.387   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aE De Laagjes 24               | 3274CB Heinenoord  | 92.509   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AF Doormanstraat 35            | 3274LK Heinenoord  | 94.682   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| af Wouter van den Walestr 42   | 3274CS Heinenoord  | 92.361   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aG Avenhil 29                  | 3274CT Heinenoord  | 92.733   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AG Doormanstraat 12            | 3274LK Heinenoord  | 94.692   | 425.406   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aH Beatrixstraat 50            | 3274AA Heinenoord  | 92.212   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AH Mollekade 24 A              | 3274LP Heinenoord  | 94.553   | 425.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AI Doormanstraat 21            | 3274LK Heinenoord  | 94.667   | 425.394   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| al Martin Luther Kingstraat 38 | 3274CL Heinenoord  | 92.507   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aj Koomansland 34              | 3274CJ Heinenoord  | 92.445   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AJ de Ruyterstraat 6 B         | 3274LJ Heinenoord  | 94.524   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ak Martin Luther Kingstraat 20 | 3274CK Heinenoord  | 92.439   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AK Trompstraat 20              | 3274LT Heinenoord  | 94.635   | 425.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aL Spuibelden 1                | 3274CM Heinenoord  | 92.531   | 426.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AL van Galenstraat 11          | 3274LV Heinenoord  | 94.534   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aM Oranjestraat 22             | 3274AK Heinenoord  | 92.188   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AM Gorzenweg 2                 | 3274LL Heinenoord  | 95.503   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AN Mollekade 17                | 3274LN Heinenoord  | 94.552   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aN Koomansland 15              | 3274CJ Heinenoord  | 92.474   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aO De Laagjes 34               | 3274CB Heinenoord  | 92.538   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AO Mollekade 21                | 3274LN Heinenoord  | 94.566   | 425.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AP de Ruyterstraat 10          | 3274LJ Heinenoord  | 94.658   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aP Boerengorzen 12             | 3274CV Heinenoord  | 92.754   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aQ Hermannushof 22             | 3274CE Heinenoord  | 92.582   | 426.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AQ Mollekade 3 A               | 3274LN Heinenoord  | 94.488   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aR Prof. Teldersstraat 17      | 3274CZ Heinenoord  | 92.799   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AR Doormanstraat 31            | 3274LK Heinenoord  | 94.676   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AS Gorzenweg 1 A               | 3274LL Heinenoord  | 95.716   | 425.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aS Avenhil 31                  | 3274CT Heinenoord  | 92.738   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AT de Ruyterstraat 4 A         | 3274LJ Heinenoord  | 94.527   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aT Martin Luther Kingstraat 4  | 3274CK Heinenoord  | 92.386   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aU Emmastraat 5                | 3274AC Heinenoord  | 92.231   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AU de Ruyterstraat 6 A         | 3274LJ Heinenoord  | 94.524   | 425.505   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aV Prof. Teldersstraat 33      | 3274MC Heinenoord  | 92.854   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AV Mollekade 13 A              | 3274LN Heinenoord  | 94.541   | 425.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aW Abraham Kuyperhof 6         | 3274CW Heinenoord  | 92.721   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AW Blaaksedijk West 15         | 3274LD Heinenoord  | 94.221   | 425.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aX Prof. Teldersstraat 9       | 3274CZ Heinenoord  | 92.801   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AX Doormanstraat 25            | 3274LK Heinenoord  | 94.672   | 425.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AY Blaaksedijk West 16 A       | 3274LE Heinenoord  | 94.260   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aY Andries Woutershof 6        | 3274CA Heinenoord  | 92.466   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| AZ Gorzenweg 1                 | 3274LL Heinenoord  | 95.615   | 425.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| aZ Beatrixstraat 25            | 3274AA Heinenoord  | 92.188   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| B Blaaksedijk West 49          | 3274LD Heinenoord  | 93.567   | 425.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •B Achterzeedijk 1 a 28        | 2991SB Barendrecht | 97.237   | 427.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bA Koomansland 9               | 3274CJ Heinenoord  | 92.450   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BA Nijverheidsweg 32           | 3274KJ Heinenoord  | 95.394   | 425.284   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BB Blaaksedijk West 19         | 3274LD Heinenoord  | 94.188   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bB Avenhil 22                  | 3274CT Heinenoord  | 92.711   | 426.950   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BC Mollekade 15                | 3274LN Heinenoord  | 94.545   | 425.713   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bC John F. Kennedystraat 87    | 3274CG Heinenoord  | 92.855   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name                                       | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord | 92.798   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BD  | Trompstraat 10 3274LT Heinenoord           | 94.621   | 425.414   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BE  | Mollekade 27 3274LN Heinenoord             | 94.617   | 425.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bE  | Irenestraat 17 3274AD Heinenoord           | 92.244   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BF  | Blaaksedijk West 21 3274LD Heinenoord      | 94.177   | 425.537   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bF  | Spuivelden 23 3274CM Heinenoord            | 92.578   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bg  | Kalesland 36 3274CH Heinenoord             | 92.534   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BG  | Piet Heinstraat 1 3274LR Heinenoord        | 94.628   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bH  | Koomansland 4 3274CJ Heinenoord            | 92.414   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BH  | Mollekade 1 3274LN Heinenoord              | 94.478   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BI  | de Ruyterstraat 15 3274LJ Heinenoord       | 94.667   | 425.521   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bl  | Jan de Rooystraat 1 3274NA Heinenoord      | 92.628   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bJ  | Jan de Rooystraat 3 3274NA Heinenoord      | 92.627   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BJ  | Blaaksedijk West 14 3274LE Heinenoord      | 94.286   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bK  | Jan de Rooystraat 5 3274NA Heinenoord      | 92.626   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BK  | Mollekade 8 3274LP Heinenoord              | 94.518   | 425.481   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BL  | de Ruyterstraat 2 B 3274LJ Heinenoord      | 94.529   | 425.523   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bL  | Jan de Rooystraat 7 3274NA Heinenoord      | 92.623   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BM  | van Galenstraat 4 3274LV Heinenoord        | 94.587   | 425.507   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bM  | Jan de Rooystraat 9 3274NA Heinenoord      | 92.621   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BN  | Mollekade 23 A 3274LN Heinenoord           | 94.587   | 425.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bN  | Jan de Rooystraat 11 3274NA Heinenoord     | 92.620   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BO  | Blaaksedijk West 20 3274LE Heinenoord      | 94.165   | 425.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bO  | Jan de Rooystraat 13 3274NA Heinenoord     | 92.619   | 426.726   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bP  | Jan de Rooystraat 2 3274NA Heinenoord      | 92.663   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BP  | Doormanstraat 45 3274LK Heinenoord         | 94.686   | 425.483   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BQ  | de Ruyterstraat 4 B 3274LJ Heinenoord      | 94.526   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bQ  | Jan de Rooystraat 4 3274NA Heinenoord      | 92.662   | 426.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BR  | Nijverheidsweg 7 3274KJ Heinenoord         | 95.525   | 425.232   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bR  | Jan de Rooystraat 6 3274NA Heinenoord      | 92.660   | 426.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bS  | Jan de Rooystraat 8 3274NA Heinenoord      | 92.656   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BS  | Gorzenweg 9 3274LL Heinenoord              | 95.389   | 425.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bT  | Jan de Rooystraat 10 3274NA Heinenoord     | 92.655   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BT  | Mollekade 9 3274LN Heinenoord              | 94.520   | 425.612   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BU  | de Ruyterstraat 14 3274LJ Heinenoord       | 94.670   | 425.487   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bU  | Jan de Rooystraat 12 3274NA Heinenoord     | 92.654   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BV  | Boonsweg 69 3274LH Heinenoord              | 95.303   | 425.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bV  | Jan de Rooystraat 14 3274NA Heinenoord     | 92.652   | 426.730   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BW  | Boonsweg 65 3274LH Heinenoord              | 95.295   | 425.528   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bW  | Jan de Rooystraat 16 3274NA Heinenoord     | 92.651   | 426.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BX  | Trompstraat 14 3274LT Heinenoord           | 94.623   | 425.426   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bX  | Arie Jongekrijgstraat 1 3274NB Heinenoord  | 92.695   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BY  | Blaaksedijk West 18 3274LE Heinenoord      | 94.241   | 425.524   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bY  | Arie Jongekrijgstraat 3 3274NB Heinenoord  | 92.689   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| BZ  | van Galenstraat 7 3274LV Heinenoord        | 94.596   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| bZ  | Arie Jongekrijgstraat 5 3274NB Heinenoord  | 92.691   | 426.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| C   | Blaaksedijk West 34 3274LE Heinenoord      | 93.916   | 425.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •C  | Achterzeedijk 1 a 29 2991SB Barendrecht    | 97.235   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord | 92.677   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord       | 94.685   | 425.516   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord | 92.692   | 426.705   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CB  | Trompstraat 16 3274LT Heinenoord           | 94.633   | 425.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord | 92.709   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CC  | Blaaksedijk West 12 3274LE Heinenoord      | 94.347   | 425.489   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CD  | Boonsweg 14 3274LH Heinenoord              | 95.402   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord | 92.718   | 426.702   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CE  | Mollekade 10 3274LP Heinenoord             | 94.519   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord | 92.729   | 426.701   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CF  | Gorzenweg 5 3274LL Heinenoord              | 95.503   | 425.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord | 92.739   | 426.700   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord  | 92.715   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CG  | van Galenstraat 14 3274LV Heinenoord       | 94.576   | 425.452   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CH  | Trompstraat 22 3274LT Heinenoord           | 94.639   | 425.485   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 92.715   | 426.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 92.713   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 94.588   | 425.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 92.712   | 426.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CJ  | Mollekade 13 3274LN Heinenoord               | 94.534   | 425.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 92.718   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CK  | Doormanstraat 37 3274LK Heinenoord           | 94.683   | 425.460   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 92.710   | 426.761   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 94.577   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cM  | Arie Jongekrijgstraat 14 3274NB Heinenoord   | 92.709   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CM  | Boonsweg 12 3274LH Heinenoord                | 95.390   | 425.659   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CN  | Piet Heinstraat 2 3274LR Heinenoord          | 94.637   | 425.412   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cN  | Arie Jongekrijgstraat 16 3274NB Heinenoord   | 92.708   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cO  | Arie Jongekrijgstraat 18 3274NB Heinenoord   | 92.707   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CO  | Doormanstraat 33 3274LK Heinenoord           | 94.669   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CP  | Piet Heinstraat 3 3274LR Heinenoord          | 94.635   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cP  | Arie Jongekrijgstraat 20 3274NB Heinenoord   | 92.707   | 426.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cQ  | Opper Van Treurenstraat 2 3274ND Heinenoord  | 92.777   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CQ  | van Galenstraat 16 3274LV Heinenoord         | 94.572   | 425.446   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CR  | Gorzenweg 7 3274LL Heinenoord                | 95.464   | 425.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cR  | Opper Van Treurenstraat 4 3274ND Heinenoord  | 92.777   | 426.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CS  | Doormanstraat 27 3274LK Heinenoord           | 94.669   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cS  | Opper Van Treurenstraat 6 3274ND Heinenoord  | 92.776   | 426.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CT  | de Ruyterstraat 19 3274LJ Heinenoord         | 94.705   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cT  | Opper Van Treurenstraat 8 3274ND Heinenoord  | 92.776   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cU  | Opper Van Treurenstraat 10 3274ND Heinenoord | 92.775   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CU  | Trompstraat 12 3274LT Heinenoord             | 94.622   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CV  | Nijverheidsweg 47 3274KJ Heinenoord          | 95.465   | 425.302   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cV  | Opper Van Treurenstraat 12 3274ND Heinenoord | 92.775   | 426.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Doormanstraat 39 3274LK Heinenoord           | 94.684   | 425.466   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cW  | Opper Van Treurenstraat 14 3274ND Heinenoord | 92.775   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cX  | Opper Van Treurenstraat 16 3274ND Heinenoord | 92.774   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CX  | Boonsweg 6 3274LH Heinenoord                 | 95.351   | 425.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CY  | Piet Heinstraat 9 3274LR Heinenoord          | 94.658   | 425.445   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cY  | Opper Van Treurenstraat 18 3274ND Heinenoord | 92.774   | 426.808   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| cZ  | Opper Van Treurenstraat 20 3274ND Heinenoord | 92.773   | 426.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| CZ  | Nijverheidsweg 8 3274KJ Heinenoord           | 95.544   | 425.248   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| D   | Blaaksedijk West 41 3274LD Heinenoord        | 93.876   | 425.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •D  | Achterzeedijk 1 a 30 2991SB Barendrecht      | 97.225   | 427.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| da  | Opper Van Treurenstraat 22 3274ND Heinenoord | 92.773   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DA  | Boonsweg 4 3274LH Heinenoord                 | 95.346   | 425.511   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dB  | Opper Van Treurenstraat 24 3274ND Heinenoord | 92.773   | 426.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DB  | de Ruyterstraat 2 A 3274LJ Heinenoord        | 94.529   | 425.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dc  | Opper Van Treurenstraat 26 3274ND Heinenoord | 92.772   | 426.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DC  | van Galenstraat 1 3274LV Heinenoord          | 94.608   | 425.499   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DD  | Mollekade 7 3274LN Heinenoord                | 94.502   | 425.535   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dD  | Opper Van Treurenstraat 28 3274ND Heinenoord | 92.772   | 426.789   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DE  | Mollekade 4 3274LP Heinenoord                | 94.516   | 425.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dE  | Opper Van Treurenstraat 30 3274ND Heinenoord | 92.771   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DF  | Mollekade 2 3274LP Heinenoord                | 94.515   | 425.463   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dF  | Opper Van Treurenstraat 32 3274ND Heinenoord | 92.771   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dG  | Opper Van Treurenstraat 34 3274ND Heinenoord | 92.769   | 426.759   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DG  | van Galenstraat 28 3274LV Heinenoord         | 94.509   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DH  | Mollekade 6 3274LP Heinenoord                | 94.517   | 425.475   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dH  | Opper Van Treurenstraat 36 3274ND Heinenoord | 92.768   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dI  | Opper Van Treurenstraat 38 3274ND Heinenoord | 92.768   | 426.751   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DI  | Mollekade 26 C 3274LP Heinenoord             | 94.621   | 425.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DJ  | Mollekade 26 A 3274LP Heinenoord             | 94.605   | 425.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dJ  | Opper Van Treurenstraat 40 3274ND Heinenoord | 92.767   | 426.747   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DK  | Nijverheidsweg 36 3274KJ Heinenoord          | 95.512   | 425.322   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dK  | Opper Van Treurenstraat 42 3274ND Heinenoord | 92.767   | 426.743   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DL  | Doormanstraat 18 3274LK Heinenoord           | 94.705   | 425.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dL  | Opper Van Treurenstraat 44 3274ND Heinenoord | 92.766   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| dM  | Opper Van Treurenstraat 46 3274ND Heinenoord | 92.766   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DM  | de Ruyterstraat 9 3274LJ Heinenoord          | 94.591   | 425.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DN  | van Galenstraat 20 3274LV Heinenoord         | 94.530   | 425.450   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dN  | Opper Van Treurenstraat 48 3274ND Heinenoord | 92.765   | 426.731   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DO  | Mollekade 5 3274LN Heinenoord                | 94.497   | 425.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dO  | Opper Van Treurenstraat 50 3274ND Heinenoord | 92.765   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DP  | Mollekade 25 3274LN Heinenoord               | 94.598   | 425.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dP  | Opper Van Treurenstraat 52 3274ND Heinenoord | 92.765   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DQ  | Blaaksedijk West 17 3274LD Heinenoord        | 94.212   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 92.764   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 94.621   | 425.532   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 92.764   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 92.763   | 426.695   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 94.686   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 92.762   | 426.689   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DT  | Mollekade 19 3274LN Heinenoord               | 94.556   | 425.758   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 92.761   | 426.683   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DU  | Trompstraat 6 3274LT Heinenoord              | 94.618   | 425.404   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 92.761   | 426.677   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DV  | Trompstraat 24 3274LT Heinenoord             | 94.639   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 95.510   | 425.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 92.760   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 94.705   | 425.442   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 92.759   | 426.665   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 94.515   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 92.747   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 92.746   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 94.598   | 425.455   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 94.134   | 425.604   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 97.213   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 92.746   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 94.579   | 425.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 92.744   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 94.506   | 425.434   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 94.648   | 425.423   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 92.745   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 94.537   | 425.449   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 92.744   | 426.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 92.743   | 426.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 94.568   | 425.545   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 92.741   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EF  | Mollekade 26 3274LP Heinenoord               | 94.573   | 425.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 92.740   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 94.666   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 92.740   | 426.754   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 94.584   | 425.493   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 92.739   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 94.708   | 425.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 94.651   | 425.448   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 92.737   | 426.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 95.540   | 425.276   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 92.737   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 92.736   | 426.733   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 94.664   | 425.399   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 92.731   | 426.669   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 94.687   | 425.479   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EN  | Trompstraat 8 3274LT Heinenoord              | 94.619   | 425.411   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 92.723   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EO  | Trompstraat 4 3274LT Heinenoord              | 94.614   | 425.398   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 92.712   | 426.671   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 94.640   | 425.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 92.703   | 426.670   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 92.692   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.  | Name              | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|-------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |                   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| EQ van Galenstraat 13                      | 3274LV Heinenoord | 94.515   | 425.431   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eR Engel de Raatpad 12                     | 3274NC Heinenoord | 92.685   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ER Mollekade 12                            | 3274LP Heinenoord | 94.520   | 425.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eS Engel de Raatpad 14                     | 3274NC Heinenoord | 92.671   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ES van Galenstraat 22                      | 3274LV Heinenoord | 94.525   | 425.451   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ET Doormanstraat 29                        | 3274LK Heinenoord | 94.670   | 425.418   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eT Jan van Vlietstraat 1                   | 3274NE Heinenoord | 92.809   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eU Jan van Vlietstraat 3                   | 3274NE Heinenoord | 92.808   | 426.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EU Doormanstraat 17                        | 3274LK Heinenoord | 94.661   | 425.382   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eV Jan van Vlietstraat 5                   | 3274NE Heinenoord | 92.807   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EV Doormanstraat 10                        | 3274LK Heinenoord | 94.691   | 425.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eW Jan van Vlietstraat 7                   | 3274NE Heinenoord | 92.806   | 426.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EW Doormanstraat 14                        | 3274LK Heinenoord | 94.696   | 425.421   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EX Trompstraat 18                          | 3274LT Heinenoord | 94.634   | 425.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eX Jan van Vlietstraat 9                   | 3274NE Heinenoord | 92.805   | 426.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EY van Galenstraat 8                       | 3274LV Heinenoord | 94.582   | 425.486   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eY Jan van Vlietstraat 19                  | 3274NE Heinenoord | 92.795   | 426.692   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| eZ Jan van Vlietstraat 21                  | 3274NE Heinenoord | 92.794   | 426.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| EZ de Ruyterstraat 5                       | 3274LJ Heinenoord | 94.534   | 425.551   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| F Blaaksedijk West 55                      | 3274LD Heinenoord | 93.509   | 425.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •F Achterzeedijk 1 a 32 2991SB Barendrecht |                   | 97.204   | 427.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FA Trompstraat 26                          | 3274LT Heinenoord | 94.641   | 425.497   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fA Jan van Vlietstraat 23                  | 3274NE Heinenoord | 92.794   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FB van Galenstraat 24                      | 3274LV Heinenoord | 94.520   | 425.454   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fb Jan van Vlietstraat 25                  | 3274NE Heinenoord | 92.793   | 426.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FC van Galenstraat 3                       | 3274LV Heinenoord | 94.606   | 425.491   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fC Jan van Vlietstraat 27                  | 3274NE Heinenoord | 92.792   | 426.668   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fd Jan van Vlietstraat 29                  | 3274NE Heinenoord | 92.792   | 426.662   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FD Piet Heinstraat 6                       | 3274LR Heinenoord | 94.652   | 425.422   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE Wouter van den Walestr 11               | 3274CR Heinenoord | 92.402   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FE De Ruyterstraat 13                      | 3274LJ Heinenoord | 94.644   | 425.519   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FF Mollekade 7 A                           | 3274LN Heinenoord | 94.515   | 425.591   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ff Wouter van den Walestr 13               | 3274CR Heinenoord | 92.402   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fG Wouter van den Walestr 15               | 3274CR Heinenoord | 92.403   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FG Blaaksedijk West 16                     | 3274LE Heinenoord | 94.251   | 425.517   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fh Wouter van den Walestr 17               | 3274CR Heinenoord | 92.403   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FH Oosteinde 5                             | 3274KB Heinenoord | 92.991   | 426.501   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fI Wouter van den Walestr 19               | 3274CR Heinenoord | 92.404   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FI Oosteinde 11                            | 3274KB Heinenoord | 92.959   | 426.541   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FJ Oosteinde 1                             | 3274KB Heinenoord | 93.032   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fj Wouter van den Walestr 21               | 3274CR Heinenoord | 92.404   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FK Oosteinde 3                             | 3274KB Heinenoord | 92.995   | 426.496   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fK Wouter van den Walestr 23               | 3274CR Heinenoord | 92.405   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FL Oud-Heinenoordseweg 9                   | 3274KD Heinenoord | 92.665   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fl Wouter van den Walestr 25               | 3274CR Heinenoord | 92.405   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fM Wouter van den Walestr 27               | 3274CR Heinenoord | 92.406   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FM Oud-Heinenoordseweg 3                   | 3274KD Heinenoord | 92.641   | 426.576   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FN Oosteinde 13                            | 3274KB Heinenoord | 92.956   | 426.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fn Wouter van den Walestr 29               | 3274CR Heinenoord | 92.406   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fO Wouter van den Walestr 31               | 3274CR Heinenoord | 92.407   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FO Oosteinde 7                             | 3274KB Heinenoord | 92.988   | 426.512   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fp Wouter van den Walestr 33               | 3274CR Heinenoord | 92.407   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FP Oosteinde 27                            | 3274KB Heinenoord | 92.815   | 426.595   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fQ Wouter van den Walestr 35               | 3274CR Heinenoord | 92.408   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FQ Oud-Heinenoordseweg 8                   | 3274KD Heinenoord | 92.698   | 426.370   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FR Oosteinde 25                            | 3274KB Heinenoord | 92.837   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fR Wouter van den Walestr 37               | 3274CR Heinenoord | 92.408   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FS Oud-Heinenoordseweg 10                  | 3274KD Heinenoord | 92.718   | 426.203   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fS Wouter van den Walestr 39               | 3274CR Heinenoord | 92.409   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Wouter van den Walestr 41               | 3274CR Heinenoord | 92.409   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FT Oud-Heinenoordseweg 7                   | 3274KD Heinenoord | 92.658   | 426.547   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fU Wouter van den Walestr 43               | 3274CR Heinenoord | 92.410   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FU Oud-Heinenoordseweg 1                   | 3274KD Heinenoord | 92.637   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|--|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |  | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord  | 92.410   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FV  | Oosteinde 19 3274KB Heinenoord               | 92.899   | 426.589   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fw  | Wouter van den Walestr 47 3274CR Heinenoord  | 92.411   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord      | 92.650   | 426.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fx  | Dorpsstraat 8 3274BD Heinenoord              | 92.409   | 426.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord     | 92.718   | 426.447   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord     | 92.679   | 426.498   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FY  | Jan van Vlietstraat 11 3274NE Heinenoord     | 92.800   | 426.765   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| FZ  | Oosteinde 17 3274KB Heinenoord               | 92.930   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 92.799   | 426.760   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 93.599   | 425.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 97.202   | 427.574   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 92.684   | 426.405   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 92.799   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 92.798   | 426.750   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GB  | Oosteinde 21 3274KB Heinenoord               | 92.878   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GC  | Oosteinde 9 3274KB Heinenoord                | 92.969   | 426.529   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 92.798   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 92.673   | 426.514   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gD  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 92.797   | 426.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GE  | Oosteinde 31 3274KB Heinenoord               | 92.753   | 426.596   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 92.797   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 92.797   | 426.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 92.782   | 426.222   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GG  | Oosteinde 15 3274KB Heinenoord               | 92.945   | 426.559   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 92.681   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 92.679   | 426.741   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 92.683   | 426.492   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 92.679   | 426.735   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 92.698   | 426.461   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 92.994   | 426.566   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 92.677   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 93.254   | 426.304   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 93.014   | 426.472   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 92.672   | 426.438   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 93.343   | 426.207   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GM  | Oosteinde 29 3274KB Heinenoord               | 92.782   | 426.594   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 93.390   | 426.457   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 92.603   | 426.573   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 93.633   | 426.428   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 93.291   | 426.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 92.695   | 426.469   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gP  | Koedood 17 a 2993AL Barendrecht              | 93.423   | 428.241   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 92.721   | 426.424   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gQ  | Koedood 17 2993AL Barendrecht                | 93.478   | 428.194   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GQ  | Oosteinde 23 3274KB Heinenoord               | 92.852   | 426.593   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 92.331   | 426.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 95.724   | 427.687   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 92.583   | 426.748   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 96.194   | 427.740   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 95.698   | 427.473   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 92.453   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 92.154   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 95.754   | 427.762   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 96.138   | 427.697   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GV  | Avenhil 5 3274CT Heinenoord                  | 92.651   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 95.933   | 427.729   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 92.493   | 426.706   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 92.302   | 427.062   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 95.504   | 427.993   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 92.185   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 95.723   | 427.667   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 96.006   | 427.680   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.  | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|  |      |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| GZ Avenhil 37 3274CT Heinenoord                  |      | 92.725   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| H Reedijk 1 3274KE Heinenoord                    |      | 93.754   | 425.744   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •H Achterzeedijk 1 a 34 2991SB Barendrecht       |      | 97.201   | 427.558   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hA Achterzeedijk 63 2992SB Barendrecht           |      | 95.725   | 427.694   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HA Hermannushof 14 3274CE Heinenoord             |      | 92.548   | 426.704   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hb Achterzeedijk 67 2992SB Barendrecht           |      | 95.724   | 427.674   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HB Marijkestraat 25 3274AJ Heinenoord            |      | 92.341   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hc Achterzeedijk 38 2992SC Barendrecht           |      | 96.136   | 427.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HC Kalesland 3 3274CH Heinenoord                 |      | 92.524   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hd Achterzeedijk 47 2992SB Barendrecht           |      | 95.955   | 427.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HD Prof. Teldersstraat 35 3274MC Heinenoord      |      | 92.853   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hE Achterzeedijk 39 2992SB Barendrecht           |      | 96.103   | 427.685   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HE Marijkestraat 11 3274AJ Heinenoord            |      | 92.296   | 427.063   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hf Achterzeedijk 41 2992SB Barendrecht           |      | 96.083   | 427.682   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HF John F. Kennedystraat 38 3274CG Heinenoord    |      | 92.808   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hg Achterzeedijk 64 2992SC Barendrecht           |      | 95.495   | 427.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HG Oranjestraat 16 3274AK Heinenoord             |      | 92.161   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hh Achterzeedijk 71 2992SB Barendrecht           |      | 95.702   | 427.488   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HH Boerengorzen 10 3274CV Heinenoord             |      | 92.755   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hI Achterzeedijk 59 2992SB Barendrecht           |      | 95.779   | 427.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HI Kalesland 78 3274CH Heinenoord                |      | 92.592   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HJ Margrietstraat 18 3274AH Heinenoord           |      | 92.329   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hJ Achterzeedijk 42 2992SC Barendrecht           |      | 95.997   | 427.737   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HK Martin Luther Kingstraat 60 3274CL Heinenoord |      | 92.594   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hK Achterzeedijk 49 2992SB Barendrecht           |      | 95.949   | 427.715   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hL Achterzeedijk 48 2992SC Barendrecht           |      | 95.960   | 427.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HL Talmahof 7 3274CN Heinenoord                  |      | 92.435   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hM Achterzeedijk 60 2992SC Barendrecht           |      | 95.562   | 428.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HM Kalesland 56 3274CH Heinenoord                |      | 92.580   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hn Achterzeedijk 58 2992SC Barendrecht           |      | 95.709   | 427.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HN Emmastraat 22 3274AC Heinenoord               |      | 92.295   | 426.783   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hO Achterzeedijk 61 2992SB Barendrecht           |      | 95.775   | 427.787   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HO John F. Kennedystraat 18 3274CG Heinenoord    |      | 92.727   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hP Achterzeedijk 40 2992SC Barendrecht           |      | 96.111   | 427.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HP Martin Luther Kingstraat 32 3274CK Heinenoord |      | 92.471   | 427.036   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HQ Dreeshof 1 3274CC Heinenoord                  |      | 92.521   | 426.988   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hq Achterzeedijk 61 b 2992SB Barendrecht         |      | 95.750   | 427.757   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HR Buitenlanden 8 3274MB Heinenoord              |      | 92.927   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hr Achterzeedijk 56 2992SC Barendrecht           |      | 95.856   | 427.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HS Heyne van Althenastraat 14 3274CD Heinenoord  |      | 92.431   | 426.734   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hS Achterzeedijk 73 2992SB Barendrecht           |      | 95.698   | 427.480   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HT Prof. Teldersstraat 11 3274CZ Heinenoord      |      | 92.799   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hT Achterzeedijk 50 2992SC Barendrecht           |      | 95.894   | 427.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hU Gorzenweg 10 3274LL Heinenoord                |      | 94.688   | 426.134   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HU Prof. Teldersstraat 16 3274MC Heinenoord      |      | 92.832   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hv John F. Kennedystraat 41 3274CG Heinenoord    |      | 92.519   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hV Gorzenweg 8 3274LL Heinenoord                 |      | 94.759   | 426.128   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hW Mollekade 31 3274LN Heinenoord                |      | 94.641   | 426.106   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HW Rietwaard 17 3274MA Heinenoord                |      | 92.876   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hX Mollekade 32 3274LP Heinenoord                |      | 94.741   | 426.386   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HX Koomansland 26 3274CJ Heinenoord              |      | 92.411   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hY Boonsweg 44 3274LH Heinenoord                 |      | 95.724   | 426.443   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HY Wouter van den Walestr 32 3274CR Heinenoord   |      | 92.333   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| HZ Avenhil 14 3274CT Heinenoord                  |      | 92.676   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| hZ Gorzenweg 6 A 3274LL Heinenoord               |      | 95.324   | 426.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| I Reedijk 1 A 3274KE Heinenoord                  |      | 93.788   | 425.718   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •I Achterzeedijk 1 a 35 2991SB Barendrecht       |      | 97.194   | 427.540   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Avenhil 3 3274CT Heinenoord                   |      | 92.659   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iA Zomerlandseweg 9 3274LX Heinenoord            |      | 94.414   | 426.121   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB John F. Kennedystraat 40 3274CG Heinenoord    |      | 92.806   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Mollekade 29 3274LN Heinenoord                |      | 94.637   | 426.065   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iC Mollekade 28 3274LP Heinenoord                |      | 94.717   | 426.285   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Wouter van den Walestr 72 3274CS Heinenoord   |      | 92.370   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| ID  | Dreeshof 9 3274CC Heinenoord                  | 92.522   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iD  | Mollekade 39 3274LN Heinenoord                | 94.670   | 426.219   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE  | Thorbeckehof 1 3274CP Heinenoord              | 92.607   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iE  | Mollekade 41 3274LN Heinenoord                | 94.681   | 426.298   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF  | Spuivelden 25 3274CM Heinenoord               | 92.577   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iF  | Mollekade 47 3274LN Heinenoord                | 94.713   | 426.397   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iG  | Mollekade 45 3274LN Heinenoord                | 94.691   | 426.338   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG  | Wiardi Beckmanhof 8 3274CX Heinenoord         | 92.657   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH  | Talmahof 4 3274CN Heinenoord                  | 92.489   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 95.361   | 426.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 92.663   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ii  | Mollekade 43 3274LN Heinenoord                | 94.680   | 426.316   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 92.732   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 95.315   | 426.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | De Laagjes 12 3274CB Heinenoord               | 92.464   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK  | Mollekade 35 3274LN Heinenoord                | 94.652   | 426.161   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 95.481   | 425.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL  | Talmahof 11 3274CN Heinenoord                 | 92.436   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 92.604   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 94.940   | 426.314   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 92.852   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 95.240   | 425.998   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 92.561   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 93.458   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP  | Koimansland 32 3274CJ Heinenoord              | 92.446   | 426.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iP  | Stekkant 40 2993DB Barendrecht                | 94.060   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 92.780   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iQ  | Stekkant 33 2993DB Barendrecht                | 93.963   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Spieringwater 12 2993DM Barendrecht           | 94.127   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kalesland 52 3274CH Heinenoord                | 92.569   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iS  | Koedood 6 a 2993AL Barendrecht                | 93.774   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 92.500   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Avenhil 15 3274CT Heinenoord                  | 92.671   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iT  | Stekkant 107 2993DB Barendrecht               | 94.069   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 93.455   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 92.662   | 427.016   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 93.614   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Kalesland 19 3274CH Heinenoord                | 92.555   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iW  | Stekkant 2 2993DB Barendrecht                 | 93.941   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 92.203   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iX  | Müllerhaven 32 2993EA Barendrecht             | 93.829   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 92.472   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iY  | Oranjestraat 11 B 3274AK Heinenoord           | 92.164   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iY  | Calandhaven 3 2993HL Barendrecht              | 93.498   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| iZ  | Stekkant 87 2993DB Barendrecht                | 94.073   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 92.579   | 426.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 93.524   | 425.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 97.189   | 427.522   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 92.513   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ja  | Meeshaven 5 2993HN Barendrecht                | 93.652   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 92.877   | 427.039   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JB  | Smithaven 4 2993EC Barendrecht                | 93.830   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JC  | Emmastraat 11 3274AC Heinenoord               | 92.253   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | Stekkant 13 2993DB Barendrecht                | 93.962   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 92.654   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 92.364   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| je  | Krölleghaven 12 2993ED Barendrecht            | 93.733   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Avenhil 9 3274CT Heinenoord                   | 92.633   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JF  | Stekkant 51 2993DB Barendrecht                | 93.956   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | De Laagjes 23 3274CB Heinenoord               | 92.499   | 426.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JG  | Zalmwater 143 2993DX Barendrecht              | 94.104   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 92.194   | 426.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| jH  | Van Hobokenhaven 43 2993HH Barendrecht        | 93.455   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jI  | Müllerhaven 70 2993EA Barendrecht             | 93.830   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JI  | Rietwaard 20 3274MA Heinenoord                | 92.863   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jj  | Stekkant 89 2993DB Barendrecht                | 94.071   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 92.237   | 426.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jk  | Müllerhaven 36 2993EA Barendrecht             | 93.833   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 92.832   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 92.537   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jl  | Stekkant 73 2993DB Barendrecht                | 93.961   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 92.403   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jm  | Aalwater 20 2993DD Barendrecht                | 93.999   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jN  | Stekkant 111 2993DB Barendrecht               | 94.073   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 92.783   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Smithaven 6 2993EC Barendrecht                | 93.821   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JO  | Oosteinde 45 3274KB Heinenoord                | 92.627   | 426.607   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 92.369   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 92.291   | 426.989   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JQ  | Smithaven 35 2993EC Barendrecht               | 93.707   | 428.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 92.439   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 93.824   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Stekkant 127 2993DB Barendrecht               | 94.066   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JS  | Kalesland 32 3274CH Heinenoord                | 92.533   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Van Hobokenhaven 61 2993HH Barendrecht        | 93.459   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JT  | Talmahof 2 3274CN Heinenoord                  | 92.489   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jU  | Smithaven 18 2993EC Barendrecht               | 93.764   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 92.213   | 426.773   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | Swarttouwhaven 52 2993HP Barendrecht          | 93.503   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 92.871   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Kabbelkant 6 2993DC Barendrecht               | 94.010   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 92.519   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Meeshaven 7 2993HN Barendrecht                | 93.653   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 92.331   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 92.531   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 93.835   | 428.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 92.292   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 93.579   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 93.552   | 425.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 97.186   | 427.580   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 93.497   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KA  | Talmahof 8 3274CN Heinenoord                  | 92.490   | 427.009   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 93.497   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KB  | Irenestraat 28 3274AE Heinenoord              | 92.285   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 92.501   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Van Hobokenhaven 27 2993HH Barendrecht        | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 92.239   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 92.522   | 426.994   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 93.859   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 93.583   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 92.401   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Stekkant 147 2993DB Barendrecht               | 94.069   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KG  | Emmastraat 30 3274AC Heinenoord               | 92.214   | 426.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 92.354   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KH  | Van Hobokenhaven 59 2993HH Barendrecht        | 93.454   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Aalwater 4 2993DD Barendrecht                 | 93.959   | 428.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KI  | Emmastraat 32 3274AC Heinenoord               | 92.208   | 426.810   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 92.289   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 93.761   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | De Laagjes 21 3274CB Heinenoord               | 92.500   | 426.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KK  | Aalwater 19 2993DD Barendrecht                | 94.000   | 428.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Steurwater 13 2993DE Barendrecht              | 93.944   | 428.940   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 92.887   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                            | Name                 | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                      | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| KM Irenestraat 3               | 3274AD Heinenoord    | 92.236   | 426.951   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KM Vederhaven 3                | 2993EB Barendrecht   | 93.772   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Van Hobokenhaven 39         | 2993HH Barendrecht   | 93.459   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KN Irenestraat 36              | 3274AE Heinenoord    | 92.272   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Emmastraat 20               | 3274AC Heinenoord    | 92.289   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KO Müllerhaven 8               | 2993EA Barendrecht   | 93.832   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Steekkant 129               | 2993DB Barendrecht   | 94.067   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KP Oosteinde 41                | 3274KB Heinenoord    | 92.653   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ Steekkant 149               | 2993DB Barendrecht   | 94.067   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KQ John F. Kennedystraat 35    | 3274CG Heinenoord    | 92.502   | 426.967   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Avenhil 30                  | 3274CT Heinenoord    | 92.734   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KR Smithaven 59                | 2993EC Barendrecht   | 93.702   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS Ruyshaven 4                 | 2993HM Barendrecht   | 93.551   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KS John F. Kennedystraat 55    | 3274CG Heinenoord    | 92.593   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Martin Luther Kingstraat 34 | 3274CL Heinenoord    | 92.495   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KT Swarttouwhaven 10           | 2993HP Barendrecht   | 93.585   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Steekkant 109               | 2993DB Barendrecht   | 94.071   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KU Koomansland 6               | 3274CJ Heinenoord    | 92.414   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Boerengorzen 8              | 3274CV Heinenoord    | 92.749   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KV Müllerhaven 42              | 2993EA Barendrecht   | 93.833   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| kW Müllerhaven 48              | 2993EA Barendrecht   | 93.826   | 428.835   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KW Margrietstraat 20           | 3274AH Heinenoord    | 92.329   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Dorpsstraat 1 A             | 3274BB Heinenoord    | 92.553   | 426.618   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KX Kröllerhaven 53             | 2993ED Barendrecht   | 93.744   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY Steekkant 57                | 2993DB Barendrecht   | 93.962   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KY John F. Kennedystraat 5     | 3274CG Heinenoord    | 92.402   | 427.013   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kalesland 72                | 3274CH Heinenoord    | 92.605   | 426.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| KZ Kröllerhaven 23             | 2993ED Barendrecht   | 93.860   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| L Reedijk 2                    | 3274KE Heinenoord    | 93.694   | 425.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •L Achterzeedijk 1 a 38        | 2991SB Barendrecht   | 97.175   | 427.568   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LA John F. Kennedystraat 67    | 3274CG Heinenoord    | 92.708   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IA Ruyshaven 8                 | 2993HM Barendrecht   | 93.556   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LB Wouter van den Walestr      | 28 3274CR Heinenoord | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IB Swarttouwhaven 44           | 2993HP Barendrecht   | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IC Müllerhaven 56              | 2993EA Barendrecht   | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LC Dreeshof 11                 | 3274CC Heinenoord    | 92.522   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LD John F. Kennedystraat 22    | 3274CG Heinenoord    | 92.736   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ID Steekkant 22                | 2993DB Barendrecht   | 94.033   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LE Kalesland 18                | 3274CH Heinenoord    | 92.498   | 426.882   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IE Meeshaven 2                 | 2993HN Barendrecht   | 93.625   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IF Aalwater 14                 | 2993DD Barendrecht   | 93.984   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LF Koomansland 18              | 3274CJ Heinenoord    | 92.388   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IG Steekkant 55                | 2993DB Barendrecht   | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LG Boerengorzen 4              | 3274CV Heinenoord    | 92.749   | 426.898   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LH Julianalaan 40              | 3274AG Heinenoord    | 92.149   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IH Steekkant 77                | 2993DB Barendrecht   | 93.966   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| II Steekkant 115               | 2993DB Barendrecht   | 94.076   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LI John F. Kennedystraat 13    | 3274CG Heinenoord    | 92.408   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IJ Kröllerhaven 37             | 2993ED Barendrecht   | 93.819   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LJ Rietwaard 24                | 3274MA Heinenoord    | 92.894   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IK Kröllerhaven 39             | 2993ED Barendrecht   | 93.810   | 428.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LK Heyne van Althenastraat 30  | 3274CD Heinenoord    | 92.525   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LL Kalesland 7                 | 3274CH Heinenoord    | 92.523   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IL Swarttouwhaven 30           | 2993HP Barendrecht   | 93.498   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LM Julianalaan 46              | 3274AG Heinenoord    | 92.159   | 427.083   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IM Steekkant 19                | 2993DB Barendrecht   | 93.966   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LN Marijkestraat 1 B           | 3274AJ Heinenoord    | 92.231   | 427.075   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IN Steekkant 12                | 2993DB Barendrecht   | 93.974   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IO Müllerhaven 24              | 2993EA Barendrecht   | 93.834   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LO Irenestraat 10              | 3274AE Heinenoord    | 92.256   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IP Spieringwater 8             | 2993DM Barendrecht   | 94.126   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LP Wiardi Beckmanhof 7         | 3274CX Heinenoord    | 92.663   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IQ Kröllerhaven 51             | 2993ED Barendrecht   | 93.754   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| LQ  | Spuivelden 8 3274CM Heinenoord                | 92.576   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord      | 92.853   | 427.025   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IR  | Kabbelkant 2 2993DC Barendrecht               | 94.009   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IS  | Steekkant 10 2993DB Barendrecht               | 93.969   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LS  | Beatrixstraat 34 3274AA Heinenoord            | 92.201   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LT  | Marijkestraat 2 3274AJ Heinenoord             | 92.226   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IT  | Swarttouwhaven 20 2993HP Barendrecht          | 93.499   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord | 92.420   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IU  | Kabbelkant 8 2993DC Barendrecht               | 94.011   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IV  | Koedood 8 2993AL Barendrecht                  | 93.740   | 428.474   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LV  | Rietwaard 5 3274MA Heinenoord                 | 92.841   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LW  | Heyne van Althenastraat 8 3274CD Heinenoord   | 92.438   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IW  | Kröllehaven 41 2993ED Barendrecht             | 93.800   | 428.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LX  | Rietwaard 6 3274MA Heinenoord                 | 92.809   | 426.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IX  | Steekkant 63 2993DB Barendrecht               | 93.955   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LY  | John F. Kennedystraat 83 3274CG Heinenoord    | 92.799   | 426.971   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IY  | Steekkant 101 2993DB Barendrecht              | 94.071   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| LZ  | Avenhil 36 3274CT Heinenoord                  | 92.723   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| IZ  | Steekkant 1 2993DB Barendrecht                | 93.956   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| M   | Reedijk 3 3274KE Heinenoord                   | 93.749   | 425.736   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •M  | Achterzeedijk 1 a 39 2991SB Barendrecht       | 97.168   | 427.550   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MA  | Irenestraat 26 3274AE Heinenoord              | 92.279   | 426.991   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mA  | Müllerhaven 58 2993EA Barendrecht             | 93.825   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mb  | Steekkant 15 2993DB Barendrecht               | 93.960   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MB  | Prof. Teldersstraat 3 3274CZ Heinenoord       | 92.800   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mC  | Müllerhaven 12 2993EA Barendrecht             | 93.833   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MC  | Oranjestraat 26 3274AK Heinenoord             | 92.200   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mD  | Steekkant 133 2993DB Barendrecht              | 94.075   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MD  | Avenhil 23 3274CT Heinenoord                  | 92.710   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mE  | Aalwater 13 2993DD Barendrecht                | 93.982   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ME  | Dorpsstraat 1 3274BB Heinenoord               | 92.476   | 426.622   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mF  | Swarttouwhaven 24 2993HP Barendrecht          | 93.499   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MF  | Kalesland 58 3274CH Heinenoord                | 92.596   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MG  | Wouter van den Walestr 54 3274CS Heinenoord   | 92.361   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mG  | Steekkant 37 2993DB Barendrecht               | 93.964   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mH  | Kabbelkant 4 2993DC Barendrecht               | 94.010   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MH  | Irenestraat 48 3274AE Heinenoord              | 92.309   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MI  | Avenhil 13 3274CT Heinenoord                  | 92.682   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mi  | Steurwater 5 2993DE Barendrecht               | 93.941   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mJ  | Vederhaven 11 2993EB Barendrecht              | 93.751   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MJ  | Kalesland 1 3274CH Heinenoord                 | 92.524   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mK  | Swarttouwhaven 48 2993HP Barendrecht          | 93.496   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MK  | Koomansland 5 3274CJ Heinenoord               | 92.449   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ML  | Margrietstraat 9 3274AH Heinenoord            | 92.288   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mL  | Steekkant 153 2993DB Barendrecht              | 94.065   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MM  | Emmastraat 16 3274AC Heinenoord               | 92.279   | 426.788   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mm  | Steekkant 24 2993DB Barendrecht               | 94.031   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MN  | Irenestraat 1 3274AD Heinenoord               | 92.232   | 426.944   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mN  | Steekkant 16 2993DB Barendrecht               | 93.985   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mO  | Steekkant 14 2993DB Barendrecht               | 93.980   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MO  | Avenhil 10 3274CT Heinenoord                  | 92.633   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MP  | Spuivelden 15 3274CM Heinenoord               | 92.578   | 426.840   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mP  | Smithaven 2 2993EC Barendrecht                | 93.839   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MQ  | Wiardi Beckmanhof 13 3274CX Heinenoord        | 92.700   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mQ  | Aalwater 8 2993DD Barendrecht                 | 93.969   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MR  | Talmahof 9 3274CN Heinenoord                  | 92.435   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mR  | Steekkant 53 2993DB Barendrecht               | 93.959   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mS  | Smithaven 43 2993EC Barendrecht               | 93.705   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MS  | Beatrixstraat 48 3274AA Heinenoord            | 92.211   | 427.008   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mT  | Müllerhaven 72 2993EA Barendrecht             | 93.832   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MT  | De Laagjes 26 3274CB Heinenoord               | 92.515   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MU  | Bernhardstraat 6 3274AB Heinenoord            | 92.233   | 426.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mU  | Smithaven 14 2993EC Barendrecht               | 93.783   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| MV Wiardi Beckmanhof 11        | 3274CX Heinenoord  | 92.674   | 427.044   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mV Van Hobokenhaven 45         | 2993HH Barendrecht | 93.458   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mW Steekkant 48                | 2993DB Barendrecht | 94.081   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MW Julianalaan 42              | 3274AG Heinenoord  | 92.154   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MX De Laagjes 22               | 3274CB Heinenoord  | 92.502   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mX Steekkant 75                | 2993DB Barendrecht | 93.957   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mY Steekkant 91                | 2993DB Barendrecht | 94.069   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MY Kooimansland 13             | 3274CJ Heinenoord  | 92.469   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| mZ Aalwater 18                 | 2993DD Barendrecht | 93.994   | 428.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| MZ Kalesland 46                | 3274CH Heinenoord  | 92.560   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| N Blaaksedijk West 31          | 3274LD Heinenoord  | 94.016   | 425.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •N Achterzeedijk 1 a 40        | 2991SB Barendrecht | 97.158   | 427.534   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NA Spuivelden 9                | 3274CM Heinenoord  | 92.530   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nA Aalwater 16                 | 2993DD Barendrecht | 93.989   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nB Steekkant 17                | 2993DB Barendrecht | 93.960   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NB John F. Kennedystraat 43    | 3274CG Heinenoord  | 92.525   | 426.966   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NC Irenestraat 20              | 3274AE Heinenoord  | 92.261   | 426.972   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nC Zalmwater 155               | 2993DX Barendrecht | 94.060   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ND Oranjestraat 31             | 3274AK Heinenoord  | 92.285   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nd Müllerhaven 60              | 2993EA Barendrecht | 93.830   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nE Swarttouwhaven 18           | 2993HP Barendrecht | 93.502   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NE Kalesland 28                | 3274CH Heinenoord  | 92.525   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nF Zalmwater 151               | 2993DX Barendrecht | 94.079   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NF Martin Luther Kingstraat 50 | 3274CL Heinenoord  | 92.561   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NG Prof. Teldersstraat 30      | 3274MC Heinenoord  | 92.868   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nG Van Hobokenhaven 47         | 2993HH Barendrecht | 93.456   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nH Smithaven 33                | 2993EC Barendrecht | 93.708   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NH Dorpsstraat 7               | 3274BB Heinenoord  | 92.395   | 426.676   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nI Müllerhaven 4               | 2993EA Barendrecht | 93.828   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NI Kalesland 64                | 3274CH Heinenoord  | 92.596   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nJ Smithaven 39                | 2993EC Barendrecht | 93.706   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NJ Andries Woutershof 8        | 3274CA Heinenoord  | 92.473   | 426.720   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NK Beatrixstraat 23            | 3274AA Heinenoord  | 92.186   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nK Müllerhaven 10              | 2993EA Barendrecht | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NL Prof. Teldersstraat 5       | 3274CZ Heinenoord  | 92.800   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nL Steekkant 131               | 2993DB Barendrecht | 94.069   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nM Van Hobokenhaven 63         | 2993HH Barendrecht | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NM Oosteinde 24                | 3274KC Heinenoord  | 92.685   | 426.638   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nN Steekkant 23                | 2993DB Barendrecht | 93.955   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NN Prof. Teldersstraat 7       | 3274CZ Heinenoord  | 92.801   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NO Kooimansland 1              | 3274CJ Heinenoord  | 92.450   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nO Steekkant 50                | 2993DB Barendrecht | 94.087   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NP Buitenlanden 21             | 3274MB Heinenoord  | 92.902   | 427.024   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nP Steekkant 20                | 2993DB Barendrecht | 93.995   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nQ Müllerhaven 64              | 2993EA Barendrecht | 93.835   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NQ Marliquestraat 9            | 3274AJ Heinenoord  | 92.285   | 427.067   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nR Kröllerhaven 15             | 2993ED Barendrecht | 93.862   | 428.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NR John F. Kennedystraat 79    | 3274CG Heinenoord  | 92.788   | 426.970   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nS Steekkant 79                | 2993DB Barendrecht | 93.961   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NS John F. Kennedystraat 34    | 3274CG Heinenoord  | 92.808   | 426.938   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NT Kalesland 6                 | 3274CH Heinenoord  | 92.480   | 426.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nT Steekkant 35                | 2993DB Barendrecht | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nU Kröllerhaven 33             | 2993ED Barendrecht | 93.837   | 428.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NU Kooimansland 2              | 3274CJ Heinenoord  | 92.415   | 426.949   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NV John F. Kennedystraat 24    | 3274CG Heinenoord  | 92.742   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nV Swarttouwhaven 38           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NW John F. Kennedystraat 27    | 3274CG Heinenoord  | 92.453   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nW Kabbelkant 16               | 2993DC Barendrecht | 94.014   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nX Van Hobokenhaven 35         | 2993HH Barendrecht | 93.458   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NX Oosteinde 16                | 3274KC Heinenoord  | 92.757   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NY Irenestraat 19              | 3274AD Heinenoord  | 92.246   | 427.012   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| nY Meeshaven 18                | 2993HN Barendrecht | 93.637   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| NZ Bernhardstraat 4            | 3274AB Heinenoord  | 92.227   | 426.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                            | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| nZ Ruyshaven 7                 | 2993HM Barendrecht | 93.583   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| O Blaaksedijk West 32          | 3274LE Heinenoord  | 93.953   | 425.690   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •O Achterzeedijk 1 a 41        | 2991SB Barendrecht | 97.153   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OA Boerengorzen 2              | 3274CV Heinenoord  | 92.753   | 426.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oA Müllerhaven 62              | 2993EA Barendrecht | 93.833   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oB Smithaven 27                | 2993EC Barendrecht | 93.709   | 428.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OB Martin Luther Kingstraat 6  | 3274CK Heinenoord  | 92.386   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oC Aalwater 21                 | 2993DD Barendrecht | 94.015   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OC Prof. Teldersstraat 27      | 3274CZ Heinenoord  | 92.824   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oD Swarttouwhaven 56           | 2993HP Barendrecht | 93.506   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OD Irenestraat 44              | 3274AE Heinenoord  | 92.296   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OE Kalesland 22                | 3274CH Heinenoord  | 92.508   | 426.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oE Van Hobokenhaven 21         | 2993HH Barendrecht | 93.453   | 428.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OF Marijkestraat 4             | 3274AJ Heinenoord  | 92.232   | 427.051   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oF Kröllerhaven 27             | 2993ED Barendrecht | 93.859   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OG Wiardi Beckmanhof 1         | 3274CX Heinenoord  | 92.661   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oG Kröllerhaven 19             | 2993ED Barendrecht | 93.861   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OH Emmastraat 2 F              | 3274AC Heinenoord  | 92.220   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oH Ruyshaven 2                 | 2993HM Barendrecht | 93.551   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OI Koomansland 22              | 3274CJ Heinenoord  | 92.398   | 426.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oI Koedood 2 b                 | 2993AL Barendrecht | 93.846   | 428.476   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ Prof. Teldersstraat 26      | 3274MC Heinenoord  | 92.857   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oJ Swarttouwhaven 60           | 2993HP Barendrecht | 93.501   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OK Avenhil 12                  | 3274CT Heinenoord  | 92.653   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oK Müllerhaven 28              | 2993EA Barendrecht | 93.834   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oL Spieringwater 14            | 2993DM Barendrecht | 94.128   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OL Martin Luther Kingstraat 46 | 3274CL Heinenoord  | 92.532   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oM Aalwater 7                  | 2993DD Barendrecht | 93.967   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OM Heyne van Althenastraat 10  | 3274CD Heinenoord  | 92.434   | 426.746   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oN Steekkant 34                | 2993DB Barendrecht | 94.029   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ON Rietwaard 10                | 3274MA Heinenoord  | 92.812   | 426.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oO Steekkant 61                | 2993DB Barendrecht | 93.965   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OO Martin Luther Kingstraat 62 | 3274CL Heinenoord  | 92.599   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OP Avenhil 40                  | 3274CT Heinenoord  | 92.701   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oP Steekkant 167               | 2993DB Barendrecht | 94.129   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OQ Emmastraat 28               | 3274AC Heinenoord  | 92.225   | 426.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oQ Van Hobokenhaven 57         | 2993HH Barendrecht | 93.462   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oR Steekkant 159               | 2993DB Barendrecht | 94.069   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OR Avenhil 16                  | 3274CT Heinenoord  | 92.666   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OS Irenestraat 46              | 3274AE Heinenoord  | 92.303   | 427.019   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oS Kröllerhaven 21             | 2993ED Barendrecht | 93.860   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oT Ruyshaven 6                 | 2993HM Barendrecht | 93.555   | 428.863   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OT Kalesland 5                 | 3274CH Heinenoord  | 92.524   | 426.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OU Oranjestraat 29             | 3274AK Heinenoord  | 92.278   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oU Koedood 18                  | 2993AL Barendrecht | 93.530   | 428.490   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OV Prof. Teldersstraat 49      | 3274MC Heinenoord  | 92.877   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oV Van Hobokenhaven 67         | 2993HH Barendrecht | 93.452   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oW Swarttouwhaven 54           | 2993HP Barendrecht | 93.498   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OW Irenestraat 16              | 3274AE Heinenoord  | 92.260   | 426.959   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oX Kabbelkant 10               | 2993DC Barendrecht | 94.011   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OX De Laagjes 16               | 3274CB Heinenoord  | 92.486   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oY Smithaven 8                 | 2993EC Barendrecht | 93.812   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OY Wouter van den Walestr 52   | 3274CS Heinenoord  | 92.362   | 426.984   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| oZ Müllerhaven 26              | 2993EA Barendrecht | 93.828   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ Martin Luther Kingstraat 24 | 3274CK Heinenoord  | 92.451   | 427.052   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| P Blaaksedijk West 33          | 3274LD Heinenoord  | 94.002   | 425.633   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •P Achterzeedijk 1 a 42        | 2991SB Barendrecht | 97.152   | 427.577   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PA Wouter van den Walestr 76   | 3274CS Heinenoord  | 92.366   | 426.990   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pA Steekkant 163               | 2993DB Barendrecht | 94.078   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pB Steekkant 93                | 2993DB Barendrecht | 94.071   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PB Avenhil 20                  | 3274CT Heinenoord  | 92.705   | 426.937   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PC Martin Luther Kingstraat 10 | 3274CK Heinenoord  | 92.408   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pC Van Hobokenhaven 23         | 2993HH Barendrecht | 93.453   | 428.869   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 92.335   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 93.504   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pE  | Stekkant 32 2993DB Barendrecht                | 94.029   | 428.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 92.867   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pF  | Stekkant 99 2993DB Barendrecht                | 94.073   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 92.780   | 426.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pG  | Smithaven 10 2993EC Barendrecht               | 93.803   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 92.678   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pH  | Aalwater 1 2993DD Barendrecht                 | 93.941   | 428.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PH  | Rietwaard 2 3274MA Heinenoord                 | 92.810   | 426.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PI  | Abraham Kuyperhof 3 3274CW Heinenoord         | 92.729   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pI  | Stekkant 161 2993DB Barendrecht               | 94.077   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pJ  | Kröllehaven 2 2993ED Barendrecht              | 93.779   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PJ  | Irenestraat 7 3274AD Heinenoord               | 92.235   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pK  | Smithaven 21 2993EC Barendrecht               | 93.710   | 428.931   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PK  | Prof. Teldersstraat 6 3274MC Heinenoord       | 92.831   | 426.955   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PL  | Kalesland 10 3274CH Heinenoord                | 92.480   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pL  | Müllerhaven 18 2993EA Barendrecht             | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PM  | Avenhil 6 3274CT Heinenoord                   | 92.633   | 426.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pM  | Stekkant 139 2993DB Barendrecht               | 94.077   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pN  | Zalmwater 139 2993DX Barendrecht              | 94.117   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PN  | John F. Kennedystraat 28 3274CG Heinenoord    | 92.788   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pO  | Kröllehaven 47 2993ED Barendrecht             | 93.772   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PO  | Kalesland 26 3274CH Heinenoord                | 92.519   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pP  | Stekkant 9 2993DB Barendrecht                 | 93.960   | 428.822   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PP  | Prof. Teldersstraat 10 3274MC Heinenoord      | 92.831   | 426.961   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PQ  | De Laagjes 7 3274CB Heinenoord                | 92.464   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pQ  | Aalwater 9 2993DD Barendrecht                 | 93.972   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PR  | Hermannushof 10 3274CE Heinenoord             | 92.535   | 426.699   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pR  | Stekkant 95 2993DB Barendrecht                | 94.073   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pS  | Swarttouwhaven 12 2993HP Barendrecht          | 93.571   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PS  | Andries Woutershof 18 3274CA Heinenoord       | 92.498   | 426.716   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pT  | Smithaven 25 2993EC Barendrecht               | 93.709   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PT  | Wouter van den Walestr 30 3274CR Heinenoord   | 92.330   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PU  | Heyne van Althenastraat 40 3274CD Heinenoord  | 92.578   | 426.749   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pU  | Swarttouwhaven 16 2993HP Barendrecht          | 93.542   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pV  | Smithaven 23 2993EC Barendrecht               | 93.710   | 428.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PV  | Irenestraat 12 3274AE Heinenoord              | 92.258   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pW  | Stekkant 28 2993DB Barendrecht                | 94.030   | 428.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PW  | Martin Luther Kingstraat 70 3274CL Heinenoord | 92.624   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pX  | Müllerhaven 74 2993EA Barendrecht             | 93.834   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PX  | John F. Kennedystraat 21 3274CG Heinenoord    | 92.433   | 426.973   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pY  | Stekkant 5 2993DB Barendrecht                 | 93.956   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PY  | Prof. Teldersstraat 20 3274MC Heinenoord      | 92.831   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| PZ  | Beatrixstraat 52 3274AA Heinenoord            | 92.213   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| pZ  | Van Hobokenhaven 49 2993HH Barendrecht        | 93.464   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Q   | Blaaksedijk West 47 3274LD Heinenoord         | 93.612   | 425.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Q  | Achterzeedijk 1 a 43 2991SB Barendrecht       | 97.150   | 427.560   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qA  | Müllerhaven 80 2993EA Barendrecht             | 93.827   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QA  | Oosteinde 6 3274KC Heinenoord                 | 92.860   | 426.635   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QB  | Koimansland 12 3274CJ Heinenoord              | 92.405   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qb  | Stekkant 6 2993DB Barendrecht                 | 93.959   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QC  | Beatrixstraat 36 3274AA Heinenoord            | 92.202   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qC  | Stekkant 25 2993DB Barendrecht                | 93.961   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QD  | Avenhil 11 3274CT Heinenoord                  | 92.633   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qD  | Smithaven 51 2993EC Barendrecht               | 93.704   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QE  | De Laagjes 17 3274CB Heinenoord               | 92.501   | 426.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qE  | Müllerhaven 22 2993EA Barendrecht             | 93.830   | 428.831   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Stekkant 143 2993DB Barendrecht               | 94.073   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qF  | Marijkestraat 7 3274AJ Heinenoord             | 92.278   | 427.068   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qG  | Swarttouwhaven 14 2993HP Barendrecht          | 93.557   | 428.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QG  | Avenhil 34 3274CT Heinenoord                  | 92.711   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qH  | Stekkant 7 2993DB Barendrecht                 | 93.956   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| QH  | Koomansland 14 3274CJ Heinenoord              | 92.405   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QI  | Irenestraat 13 3274AD Heinenoord              | 92.242   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qI  | Stekkant 45 2993DB Barendrecht                | 93.958   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OJ  | Martin Luther Kingstraat 68 3274CL Heinenoord | 92.619   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qJ  | Koedood 25 2993AL Barendrecht                 | 93.183   | 428.725   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QK  | Prof. Teldersstraat 13 3274CZ Heinenoord      | 92.799   | 427.026   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qK  | Stekkant 47 2993DB Barendrecht                | 93.955   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QL  | Andries Woutershof 24 3274CA Heinenoord       | 92.503   | 426.738   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qL  | Aalwater 10 2993DD Barendrecht                | 93.974   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht        | 93.463   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QM  | De Laagjes 19 3274CB Heinenoord               | 92.500   | 426.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QN  | Kalesland 38 3274CH Heinenoord                | 92.540   | 426.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qN  | Müllerhaven 46 2993EA Barendrecht             | 93.827   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qO  | Müllerhaven 68 2993EA Barendrecht             | 93.835   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QO  | Marijkestraat 21 3274AJ Heinenoord            | 92.328   | 427.057   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qP  | Steurwater 1 2993DE Barendrecht               | 93.940   | 428.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QP  | De Laagjes 4 3274CB Heinenoord                | 92.440   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord    | 92.428   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qQ  | Koedood 6 2993AL Barendrecht                  | 93.795   | 428.465   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qR  | Zalmwater 157 2993DX Barendrecht              | 94.060   | 428.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QR  | Bernhardstraat 3 3274AB Heinenoord            | 92.201   | 426.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qS  | Spieringwater 4 2993DM Barendrecht            | 94.126   | 428.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QS  | Oosteinde 37 3274KB Heinenoord                | 92.676   | 426.623   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QT  | De Laagjes 28 3274CB Heinenoord               | 92.520   | 426.778   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qT  | Spieringwater 10 2993DM Barendrecht           | 94.127   | 428.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QU  | Thorbeckehof 3 3274CP Heinenoord              | 92.607   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qU  | Spieringwater 2 2993DM Barendrecht            | 94.125   | 428.830   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qV  | Stekkant 54 2993DB Barendrecht                | 94.098   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QV  | De Laagjes 20 3274CB Heinenoord               | 92.498   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QW  | Buitelanden 4 3274MB Heinenoord               | 92.916   | 426.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qW  | Swarttouwhaven 62 2993HP Barendrecht          | 93.492   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord        | 92.700   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qX  | Steurwater 11 2993DE Barendrecht              | 93.942   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| QY  | Emmastraat 2 E 3274AC Heinenoord              | 92.225   | 426.772   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qY  | Swarttouwhaven 36 2993HP Barendrecht          | 93.503   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| qZ  | Kabbelkant 14 2993DC Barendrecht              | 94.012   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| OZ  | Koomansland 8 3274CJ Heinenoord               | 92.414   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| R   | Blaaksedijk West 24 3274LE Heinenoord         | 94.107   | 425.624   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht       | 97.144   | 427.538   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord    | 92.496   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rA  | Stekkant 41 2993DB Barendrecht                | 93.959   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rB  | Stekkant 81 2993DB Barendrecht                | 93.962   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RB  | Boerengorzen 3 3274CV Heinenoord              | 92.780   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RC  | Kalesland 70 3274CH Heinenoord                | 92.605   | 426.915   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rC  | Koedood 14 2993AL Barendrecht                 | 93.601   | 428.456   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rD  | Müllerhaven 40 2993EA Barendrecht             | 93.825   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord        | 92.765   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rE  | Aalwater 11 2993DD Barendrecht                | 93.977   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RE  | Avenhil 28 3274CT Heinenoord                  | 92.724   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rF  | Smithaven 37 2993EC Barendrecht               | 93.707   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RF  | Oosteinde 22 3274KC Heinenoord                | 92.697   | 426.642   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht        | 93.460   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RG  | Andries Woutershof 16 3274CA Heinenoord       | 92.494   | 426.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rH  | Aalwater 15 2993DD Barendrecht                | 93.987   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord      | 92.873   | 426.977   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rI  | Stekkant 85 2993DB Barendrecht                | 94.010   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RI  | Emmastraat 34 3274AC Heinenoord               | 92.196   | 426.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rJ  | Zalmwater 141 2993DX Barendrecht              | 94.111   | 428.901   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RJ  | Oranjestraat 23 3274AK Heinenoord             | 92.259   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord    | 92.862   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rK  | Smithaven 12 2993EC Barendrecht               | 93.794   | 428.917   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rL  | Stekkant 44 2993DB Barendrecht                | 94.071   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord  | 92.428   | 426.723   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                            | Name                | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|--------------------------------|---------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                |                     |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| RM Oranjestraat 17             | 3274AK Heinenoord   | 92.221   | 426.923   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rM Steekkant 4                 | 2993DB Barendrecht  | 93.954   | 428.873   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RN Buitelanden 13              | 3274MB Heinenoord   | 92.894   | 426.969   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rN Van Hobokenhaven 37         | 2993HH Barendrecht  | 93.460   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RO Bernhardstraat 2            | 3274AB Heinenoord   | 92.220   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rO Van Hobokenhaven 19         | 2993HH Barendrecht  | 93.459   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RP Buitelanden 17              | 3274MB Heinenoord   | 92.902   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rP Calandhaven 1               | 2993HL Barendrecht  | 93.488   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rQ Koedood 22                  | 2993AL Barendrecht  | 93.468   | 428.458   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RQ Marijkestraat 1             | C 3274AJ Heinenoord | 92.240   | 427.072   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RR Irenestraat 40              | 3274AE Heinenoord   | 92.284   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rR Aalwater 2                  | 2993DD Barendrecht  | 93.946   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rS Steekkant 103               | 2993DB Barendrecht  | 94.069   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RS Bernhardstraat 16           | 3274AB Heinenoord   | 92.264   | 426.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RT Buitelanden 12              | 3274MB Heinenoord   | 92.929   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rT Aalwater 5                  | 2993DD Barendrecht  | 93.962   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rU Kröllerhaven 31             | 2993ED Barendrecht  | 93.857   | 428.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RU Wouter van den Walestr 26   | 3274CR Heinenoord   | 92.329   | 426.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rV Smithaven 53                | 2993EC Barendrecht  | 93.703   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RV Boerengorzen 9              | 3274CV Heinenoord   | 92.781   | 426.914   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rW Müllerhaven 30              | 2993EA Barendrecht  | 93.837   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RW Emmastraat 3                | 3274AC Heinenoord   | 92.223   | 426.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rX Swarttouwhaven 58           | 2993HP Barendrecht  | 93.503   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RX De Laagjes 2                | 3274CB Heinenoord   | 92.436   | 426.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rY Vederhaven 15               | 2993EB Barendrecht  | 93.740   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RY Koomansland 28              | 3274CJ Heinenoord   | 92.417   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| rZ Smithaven 57                | 2993EC Barendrecht  | 93.703   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| RZ Prof. Teldersstraat 31      | 3274MC Heinenoord   | 92.850   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| S Reedijs 3 A                  | 3274KE Heinenoord   | 93.739   | 425.654   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •S Achterzeedijk 1 a 45        | 2991SB Barendrecht  | 97.138   | 427.597   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sA Swarttouwhaven 26           | 2993HP Barendrecht  | 93.501   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SA Wouter van den Walestr 18   | 3274CR Heinenoord   | 92.333   | 426.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SB Oranjestraat 15             | 3274AK Heinenoord   | 92.215   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sB Smithaven 29                | 2993EC Barendrecht  | 93.708   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SC Heyne van Althenastraat 26  | 3274CD Heinenoord   | 92.476   | 426.752   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sC Steekkant 145               | 2993DB Barendrecht  | 94.071   | 428.803   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SD Martin Luther Kingstraat 48 | 3274CL Heinenoord   | 92.538   | 427.048   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sD Aalwater 3                  | 2993DD Barendrecht  | 93.957   | 428.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SE Willem de Zwijgerstraat 8   | 3274AL Heinenoord   | 92.161   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sE Zalmwater 153               | 2993DX Barendrecht  | 94.071   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SF John F. Kennedystraat 36    | 3274CG Heinenoord   | 92.809   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sF Vederhaven 17               | 2993EB Barendrecht  | 93.734   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SG Wouter van den Walestr 44   | 3274CS Heinenoord   | 92.362   | 426.956   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sG Swarttouwhaven 34           | 2993HP Barendrecht  | 93.503   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SH Wiardi Beckmanhof 12        | 3274CX Heinenoord   | 92.678   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sH Müllerhaven 76              | 2993EA Barendrecht  | 93.836   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SI Margrietstraat 14           | 3274AH Heinenoord   | 92.322   | 426.960   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sI Meeshaven 14                | 2993HN Barendrecht  | 93.628   | 428.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sJ Smithaven 20                | 2993EC Barendrecht  | 93.755   | 428.920   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SJ Prof. Teldersstraat 43      | 3274MC Heinenoord   | 92.877   | 427.033   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK De Laagjes 18               | 3274CB Heinenoord   | 92.492   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SK Steekkant 123               | 2993DB Barendrecht  | 94.069   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SL Wouter van den Walestr 56   | 3274CS Heinenoord   | 92.364   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sL Steekkant 59                | 2993DB Barendrecht  | 93.954   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sM Steekkant 39                | 2993DB Barendrecht  | 93.956   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SM Zomerlandseweg 2            | 3274LX Heinenoord   | 92.961   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sN Müllerhaven 66              | 2993EA Barendrecht  | 93.836   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SN Spuivelden 21               | 3274CM Heinenoord   | 92.578   | 426.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sO Steurwater 7                | 2993DE Barendrecht  | 93.941   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SO Koomansland 36              | 3274CJ Heinenoord   | 92.445   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SP John F. Kennedystraat 7     | 3274CG Heinenoord   | 92.402   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sP Steekkant 155               | 2993DB Barendrecht  | 94.065   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sQ Meeshaven 8                 | 2993HN Barendrecht  | 93.626   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

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| No.                               | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                   |                    |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| SO Hermannushof 24                | 3274CE Heinenoord  | 92.579   | 426.722   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sR Steekkant 27                   | 2993DB Barendrecht | 93.957   | 428.820   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SR Kooimansland 11                | 3274CJ Heinenoord  | 92.465   | 426.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sS Aalwater 17                    | 2993DD Barendrecht | 93.993   | 428.909   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SS Hermannushof 26                | 3274CE Heinenoord  | 92.580   | 426.727   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sT Steekkant 119                  | 2993DB Barendrecht | 94.073   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ST Oosteinde 28                   | 3274KC Heinenoord  | 92.662   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SU Irenestraat 21                 | 3274AD Heinenoord  | 92.247   | 427.018   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sU Kröllerhaven 4                 | 2993ED Barendrecht | 93.770   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sV Ruyshaven 9                    | 2993HM Barendrecht | 93.582   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SV Bernhardstraat 12              | 3274AB Heinenoord  | 92.250   | 426.852   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SW Spuivelden 2                   | 3274CM Heinenoord  | 92.560   | 426.785   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sW Spieringwater 6                | 2993DM Barendrecht | 94.126   | 428.841   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SX Emmastraat 26                  | 3274AC Heinenoord  | 92.231   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sX Swarttouwhaven 28              | 2993HP Barendrecht | 93.495   | 428.823   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SY Rietwaard 1                    | 3274MA Heinenoord  | 92.843   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sY Ruyshaven 11                   | 2993HM Barendrecht | 93.583   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| sZ Swarttouwhaven 66              | 2993HP Barendrecht | 93.499   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| SZ John F. Kennedystraat 26       | 3274CG Heinenoord  | 92.782   | 426.939   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| T Blaaksedijk West 43             | 3274LD Heinenoord  | 93.856   | 425.712   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •T Achterzeedijk 1 a 46           | 2991SB Barendrecht | 97.131   | 427.584   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tA Van Hobokenhaven 65            | 2993HH Barendrecht | 93.457   | 428.865   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TA Prof. Teldersstraat 15         | 3274CZ Heinenoord  | 92.800   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TB Wouter van den Walestr 12      | 3274CR Heinenoord  | 92.330   | 426.806   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tB Smithaven 31                   | 2993EC Barendrecht | 93.708   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tC Steekkant 137                  | 2993DB Barendrecht | 94.077   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TC Avenhil 24                     | 3274CT Heinenoord  | 92.705   | 426.958   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tD Steekkant 105                  | 2993DB Barendrecht | 94.068   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TD Prof. Teldersstraat 21         | 3274CZ Heinenoord  | 92.827   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TE De Laagjes 5                   | 3274CA Heinenoord  | 92.458   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tE Zalmwater 133                  | 2993DX Barendrecht | 94.137   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TF John F. Kennedystraat 57       | 3274CG Heinenoord  | 92.598   | 426.962   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tF Kröllerhaven 43                | 2993ED Barendrecht | 93.792   | 428.888   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tG Van Hobokenhaven 15            | 2993HH Barendrecht | 93.456   | 428.906   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TG Rietwaard 14                   | 3274MA Heinenoord  | 92.807   | 426.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tH Steekkant 11                   | 2993DB Barendrecht | 93.954   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TH Kooimansland 10                | 3274CJ Heinenoord  | 92.405   | 426.924   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TI Abraham Kuyperhof 7            | 3274CW Heinenoord  | 92.727   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ti Steekkant 67                   | 2993DB Barendrecht | 93.965   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tJ Steekkant 52                   | 2993DB Barendrecht | 94.092   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TJ Kalesland 4                    | 3274CH Heinenoord  | 92.481   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tK Müllerhaven 82                 | 2993EA Barendrecht | 93.826   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TK Oranjestraat 20                | 3274AK Heinenoord  | 92.181   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tL Müllerhaven 34                 | 2993EA Barendrecht | 93.831   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TL Dreeshof 2                     | 3274CC Heinenoord  | 92.574   | 426.985   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TM Hermannushof 16                | 3274CE Heinenoord  | 92.553   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tm Steekkant 31                   | 2993DB Barendrecht | 93.964   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TN Wiardi Beckmanhof 14           | 3274CX Heinenoord  | 92.700   | 427.042   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tN Vederhaven 1                   | 2993EB Barendrecht | 93.778   | 428.814   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TO Wiardi Beckmanhof 2            | 3274CX Heinenoord  | 92.661   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tO Müllerhaven 50                 | 2993EA Barendrecht | 93.831   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tP Koedood 4                      | 2993AL Barendrecht | 93.802   | 428.464   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TP Beatrixstraat 17               | 3274AA Heinenoord  | 92.181   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tQ Smithaven 49                   | 2993EC Barendrecht | 93.704   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TQ John F. Kennedystraat 37       | 3274CG Heinenoord  | 92.508   | 426.968   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tR Koedood 2 a 2993AL Barendrecht | 94.006             | 428.526  | 0,0       | 8,0 | 5,0   | 0,5    | 0,0              | 90,0                  | "Green house mode" |                    |
| TR Oranjestraat 11 A              | 3274AK Heinenoord  | 92.173   | 426.933   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TS Spuivelden 5                   | 3274CM Heinenoord  | 92.530   | 426.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tS Kröllerhaven 6                 | 2993ED Barendrecht | 93.761   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TT Prof. Teldersstraat 4          | 3274MC Heinenoord  | 92.831   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tT Smithaven 22                   | 2993EC Barendrecht | 93.746   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TU Dorpsstraat 32                 | 3274BD Heinenoord  | 92.203   | 426.745   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tU Steekkant 121                  | 2993DB Barendrecht | 94.071   | 428.804   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

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| No.   | Name | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|---|------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|   |      |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| tV Steekkant 135 2993DB Barendrecht             |      | 94.077   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TV Prof. Teldersstraat 12 3274MC Heinenoord     |      | 92.831   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TW Marijkestraat 5 3274AJ Heinenoord            |      | 92.271   | 427.070   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tW Steekkant 113 2993DB Barendrecht             |      | 94.075   | 428.811   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tX Smithaven 55 2993EC Barendrecht              |      | 93.703   | 428.834   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TX Kalesland 9 3274CH Heinenoord                |      | 92.523   | 426.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TY Boerengorzen 11 3274CV Heinenoord            |      | 92.782   | 426.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tY Steekkant 56 2993DB Barendrecht              |      | 94.103   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| TZ Irenestraat 18 3274AE Heinenoord             |      | 92.260   | 426.965   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| tZ Smithaven 45 2993EC Barendrecht              |      | 93.705   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| U Blaaksedijk West 29 3274LD Heinenoord         |      | 94.052   | 425.609   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •U Achterzeedijk 1 a 47 2991SB Barendrecht      |      | 97.120   | 427.569   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uA Müllerhaven 16 2993EA Barendrecht            |      | 93.826   | 428.833   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UA Wouter van den Walestr 64 3274CS Heinenoord  |      | 92.365   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UB Avenhil 35 3274CT Heinenoord                 |      | 92.720   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uB Swarttouwhaven 68 2993HP Barendrecht         |      | 93.493   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UC Beatrixstraat 29 3274AA Heinenoord           |      | 92.191   | 427.069   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uC Steekkant 30 2993DB Barendrecht              |      | 94.029   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uD Steekkant 38 2993DB Barendrecht              |      | 94.054   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UD Wiardi Beckmanhof 3 3274CX Heinenoord        |      | 92.662   | 427.004   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UE Martin Luther Kingstraat 2 3274CK Heinenoord |      | 92.386   | 427.041   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uE Meeshaven 3 2993HN Barendrecht               |      | 93.651   | 428.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UF Rietwaard 7 3274MA Heinenoord                |      | 92.843   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uF Van Hobokenhaven 51 2993HH Barendrecht       |      | 93.455   | 428.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uG Steekkant 42 2993DB Barendrecht              |      | 94.065   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UG Dorpsstraat 9 3274BB Heinenoord              |      | 92.373   | 426.679   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UH Oranjestraat 13 3274AK Heinenoord            |      | 92.208   | 426.927   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uH Meeshaven 1 2993HN Barendrecht               |      | 93.651   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uI Steekkant 69 2993DB Barendrecht              |      | 93.960   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UI Avenhil 4 3274CT Heinenoord                  |      | 92.655   | 426.908   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UJ De Laagjes 15 3274CB Heinenoord              |      | 92.501   | 426.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uJ Aalwater 22 2993DD Barendrecht               |      | 94.016   | 428.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UK Bernhardstraat 8 3274AB Heinenoord           |      | 92.239   | 426.854   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uK Steekkant 29 2993DB Barendrecht              |      | 93.955   | 428.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uL Steurwater 9 2993DE Barendrecht              |      | 93.942   | 428.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UL Margrietstraat 13 3274AH Heinenoord          |      | 92.291   | 426.954   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uM Smithaven 47 2993EC Barendrecht              |      | 93.705   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UM Irenestraat 15 3274AD Heinenoord             |      | 92.243   | 426.996   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uN Meeshaven 12 2993HN Barendrecht              |      | 93.630   | 428.891   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UN Rietwaard 26 3274MA Heinenoord               |      | 92.914   | 426.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uO Meeshaven 15 2993HN Barendrecht              |      | 93.659   | 428.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UO Avenhil 42 3274CT Heinenoord                 |      | 92.700   | 426.867   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uP Steekkant 117 2993DB Barendrecht             |      | 94.075   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UP Dreeshof 10 3274CC Heinenoord                |      | 92.575   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uQ Steekkant 36 2993DB Barendrecht              |      | 94.049   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UQ Oosteinde 20 3274KC Heinenoord               |      | 92.708   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uR Calandhaven 7 2993HL Barendrecht             |      | 93.527   | 428.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UR John F. Kennedystraat 69 3274CG Heinenoord   |      | 92.755   | 426.981   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| US De Laagjes 30 3274CB Heinenoord              |      | 92.527   | 426.779   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uS Calandhaven 5 2993HL Barendrecht             |      | 93.512   | 428.911   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UT Martin Luther Kingstraat 8 3274CK Heinenoord |      | 92.386   | 427.059   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uT Van Hobokenhaven 55 2993HH Barendrecht       |      | 93.452   | 428.864   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UU Wiardi Beckmanhof 16 3274CX Heinenoord       |      | 92.704   | 427.031   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uU Kröllerhaven 25 2993ED Barendrecht           |      | 93.859   | 428.895   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uV Kröllerhaven 8 2993ED Barendrecht            |      | 93.752   | 428.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UV Thorbeckehof 9 3274CP Heinenoord             |      | 92.605   | 427.011   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uW Van Hobokenhaven 31 2993HH Barendrecht       |      | 93.463   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UW Emmastraat 24 3274AC Heinenoord              |      | 92.298   | 426.781   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UX John F. Kennedystraat 71 3274CG Heinenoord   |      | 92.762   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uX Steekkant 125 2993DB Barendrecht             |      | 94.067   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UY Avenhil 7 3274CT Heinenoord                  |      | 92.633   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| uY Steekkant 157 2993DB Barendrecht             |      | 94.067   | 428.813   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| UZ Irenestraat 34 3274AE Heinenoord             |      | 92.302   | 426.987   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                                 | Name                  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-------------------------------------|-----------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|                                     |                       |          |           | [m] | [m]   | [m]    | [m]              | cw<br>[°]             | [°]                |                    |
| uZ Steekkant 43                     | 2993DB Barendrecht    | 93.961   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| V Blaaksedijk West                  | 25 3274LD Heinenoord  | 94.076   | 425.515   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •V Achterzeedijk 1 a                | 48 2991SB Barendrecht | 97.113   | 427.548   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vA Swarttouwhaven                   | 22 2993HP Barendrecht | 93.503   | 428.819   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VA Martin Luther Kingstraat         | 12 3274CK Heinenoord  | 92.414   | 427.054   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vB Aalwater 6                       | 2993DD Barendrecht    | 93.964   | 428.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VB Buitenlanden 2                   | 3274MB Heinenoord     | 92.916   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vc Steekkant 49                     | 2993DB Barendrecht    | 93.961   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VC Abraham Kuyperhof 1              | 3274CW Heinenoord     | 92.728   | 427.000   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vD Steekkant 141                    | 2993DB Barendrecht    | 94.075   | 428.805   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VD Kalesland 76                     | 3274CH Heinenoord     | 92.592   | 426.935   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vE Meeshaven 6                      | 2993HN Barendrecht    | 93.625   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VE Dreeshof 6                       | 3274CC Heinenoord     | 92.574   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VF John F. Kennedystraat            | 73 3274CG Heinenoord  | 92.768   | 426.986   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vF Meeshaven 10                     | 2993HN Barendrecht    | 93.629   | 428.881   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VG Dreeshof 7                       | 3274CC Heinenoord     | 92.522   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vG Meeshaven 16                     | 2993HN Barendrecht    | 93.629   | 428.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vH Müllerhaven 78                   | 2993EA Barendrecht    | 93.832   | 428.826   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VH Dorpsstraat 3                    | 3274BB Heinenoord     | 92.434   | 426.640   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vl Steekkant 3                      | 2993DB Barendrecht    | 93.966   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VI Beatrixstraat 46                 | 3274AA Heinenoord     | 92.209   | 427.002   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VJ Oranjestraat 24                  | 3274AK Heinenoord     | 92.194   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vJ Steekkant 8                      | 2993DB Barendrecht    | 93.964   | 428.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vk Steekkant 65                     | 2993DB Barendrecht    | 93.957   | 428.827   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VK Avenhil 21                       | 3274CT Heinenoord     | 92.710   | 426.941   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Müllerhaven 20                   | 2993EA Barendrecht    | 93.833   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VL Irenestraat 42                   | 3274AE Heinenoord     | 92.288   | 427.020   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vM Kröllerhaven 17                  | 2993ED Barendrecht    | 93.860   | 428.918   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VM Irenestraat 5                    | 3274AD Heinenoord     | 92.237   | 426.957   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vN Steurwater 3                     | 2993DE Barendrecht    | 93.940   | 428.883   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VN Prof. Teldersstraat 53           | 3274MC Heinenoord     | 92.876   | 427.006   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vO Steekkant 97                     | 2993DB Barendrecht    | 94.074   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VO Wouter van den Walestr 38        | 3274CS Heinenoord     | 92.346   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VP Martin Luther Kingstraat 22      | 3274CK Heinenoord     | 92.445   | 427.053   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vP Vederhaven 9                     | 2993EB Barendrecht    | 93.756   | 428.816   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vQ Müllerhaven 2 2993EA Barendrecht | 93.828                | 428.829  | 0,0       | 8,0 | 5,0   | 0,5    | 0,0              | 90,0                  | "Green house mode" |                    |
| VQ Avenhil 33                       | 3274CT Heinenoord     | 92.732   | 426.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vr Vederhaven 19                    | 2993EB Barendrecht    | 93.729   | 428.818   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VR Oosteinde 4                      | 3274KC Heinenoord     | 92.893   | 426.673   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VS Buitenlanden 3                   | 3274MB Heinenoord     | 92.887   | 426.910   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vS Smithaven 41                     | 2993EC Barendrecht    | 93.706   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VT Martin Luther Kingstraat 64      | 3274CL Heinenoord     | 92.606   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vT Van Hobokenhaven 29              | 2993HH Barendrecht    | 93.463   | 428.860   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VU Buitenlanden 15                  | 3274MB Heinenoord     | 92.895   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vU Zalmwater 147                    | 2993DX Barendrecht    | 94.092   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vV Swarttouwhaven 64                | 2993HP Barendrecht    | 93.502   | 428.812   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VV Rietwaard 8                      | 3274MA Heinenoord     | 92.813   | 426.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VW Martin Luther Kingstraat 42      | 3274CL Heinenoord     | 92.520   | 427.049   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vW Aalwater 12                      | 2993DD Barendrecht    | 93.979   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vX Kröllerhaven 55                  | 2993ED Barendrecht    | 93.735   | 428.892   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VX De Laagjes 10                    | 3274CB Heinenoord     | 92.458   | 426.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vY Meeshaven 13                     | 2993HN Barendrecht    | 93.658   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VY Martin Luther Kingstraat 16      | 3274CK Heinenoord     | 92.426   | 427.055   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| vZ Meeshaven 11                     | 2993HN Barendrecht    | 93.657   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| VZ Wouter van den Walestr 78        | 3274CS Heinenoord     | 92.367   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| W Blaaksedijk West 30               | 3274LE Heinenoord     | 94.004   | 425.661   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •W Achterzeedijk 1 a                | 49 2991SB Barendrecht | 97.104   | 427.610   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WA Marijkestraat 12                 | 3274AJ Heinenoord     | 92.350   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wA Koedood 20                       | 2993AL Barendrecht    | 93.529   | 428.467   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WB Wouter van den Walestr 16        | 3274CR Heinenoord     | 92.329   | 426.857   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wB Zalmwater 145                    | 2993DX Barendrecht    | 94.098   | 428.902   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WC Talmahof 10                      | 3274CN Heinenoord     | 92.490   | 427.015   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wC Zalmwater 149                    | 2993DX Barendrecht    | 94.085   | 428.903   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   | [m]      | [m]       | [m] | [m]   | [m]    | [°]              | CW<br>[°]             | [°]                |                    |
| WD  | Beatrixstraat 27 3274AA Heinenoord            | 92.187   | 427.046   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wD  | Kröllerhaven 49 2993ED Barendrecht            | 93.762   | 428.890   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wE  | Zalmwater 135 2993DX Barendrecht              | 94.129   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WE  | Oosteinde 18 3274KC Heinenoord                | 92.748   | 426.634   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WF  | Spuivelden 11 3274CM Heinenoord               | 92.531   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wF  | Stekkant 26 2993DB Barendrecht                | 94.030   | 428.859   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WG  | Avenhil 17 3274CT Heinenoord                  | 92.662   | 426.946   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wG  | Stekkant 46 2993DB Barendrecht                | 94.076   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WH  | Oosteinde 33 3274KB Heinenoord                | 92.738   | 426.600   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wH  | Koedood 23 2993AL Barendrecht                 | 93.222   | 428.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WI  | Avenhil 39 3274CT Heinenoord                  | 92.738   | 426.874   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wI  | Meeshaven 17 2993HN Barendrecht               | 93.654   | 428.934   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wJ  | Swarttouwhaven 2 2993HP Barendrecht           | 93.657   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WJ  | Dorpsstraat 26 3274BD Heinenoord              | 92.222   | 426.739   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wK  | Stekkant 165 2993DB Barendrecht               | 94.079   | 428.809   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WK  | Prof. Teldersstraat 25 3274CZ Heinenoord      | 92.826   | 427.021   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wL  | Meeshaven 4 2993HN Barendrecht                | 93.626   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WL  | Koomansland 24 3274CJ Heinenoord              | 92.406   | 426.886   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wM  | Meeshaven 9 2993HN Barendrecht                | 93.656   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WM  | De Laagjes 1 3274CB Heinenoord                | 92.447   | 426.843   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WN  | Hermannushof 8 3274CE Heinenoord              | 92.529   | 426.703   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wN  | Vederhaven 5 2993EB Barendrecht               | 93.767   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wO  | Koedood 27 2993AL Barendrecht                 | 93.159   | 428.767   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WO  | Bernhardstraat 7 3274AB Heinenoord            | 92.203   | 426.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wP  | Swarttouwhaven 4 2993HP Barendrecht           | 93.643   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WP  | Andries Woutershof 4 3274CA Heinenoord        | 92.460   | 426.724   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WQ  | Bernhardstraat 18 3274AB Heinenoord           | 92.271   | 426.851   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wQ  | Swarttouwhaven 6 2993HP Barendrecht           | 93.629   | 428.801   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wR  | Kröllerhaven 10 2993ED Barendrecht            | 93.743   | 428.858   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WR  | Spuivelden 19 3274CM Heinenoord               | 92.579   | 426.829   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wS  | Smithaven 24 2993EC Barendrecht               | 93.737   | 428.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WS  | Kalesland 40 3274CH Heinenoord                | 92.544   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WT  | Irenestraat 24 3274AE Heinenoord              | 92.273   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wT  | Kröllerhaven 45 2993ED Barendrecht            | 93.780   | 428.889   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WU  | Kalesland 30 3274CH Heinenoord                | 92.530   | 426.880   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wU  | Smithaven 16 2993EC Barendrecht               | 93.773   | 428.919   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WV  | Kalesland 42 3274CH Heinenoord                | 92.549   | 426.893   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wV  | Stekkant 151 2993DB Barendrecht               | 94.065   | 428.807   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WW  | De Laagjes 36 3274CB Heinenoord               | 92.543   | 426.776   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wW  | Kröllerhaven 35 2993ED Barendrecht            | 93.828   | 428.885   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WX  | Martin Luther Kingstraat 28 3274CK Heinenoord | 92.472   | 427.050   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wX  | Stekkant 58 2993DB Barendrecht                | 94.109   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WY  | Prof. Teldersstraat 45 3274MC Heinenoord      | 92.877   | 427.028   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wY  | Ruyshaven 1 2993HM Barendrecht                | 93.578   | 428.837   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| wZ  | Zalmwater 137 2993DX Barendrecht              | 94.123   | 428.900   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| WZ  | Oranjestraat 28 3274AK Heinenoord             | 92.207   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| X   | Reedijk 4 3274KE Heinenoord                   | 93.702   | 425.784   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •X  | Achterzeedijk 1 a 50 2991SB Barendrecht       | 97.106   | 427.592   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XA  | John F. Kennedystraat 75 3274CG Heinenoord    | 92.771   | 426.980   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xA  | Müllerhaven 38 2993EA Barendrecht             | 93.833   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xB  | Stekkant 18 2993DB Barendrecht                | 93.990   | 428.870   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XB  | Thorbeckehof 7 3274CP Heinenoord              | 92.607   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xC  | Stekkant 21 2993DB Barendrecht                | 93.957   | 428.815   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XC  | Abraham Kuyperhof 13 3274CW Heinenoord        | 92.766   | 427.034   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xD  | Vederhaven 13 2993EB Barendrecht              | 93.745   | 428.817   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XD  | John F. Kennedystraat 51 3274CG Heinenoord    | 92.580   | 426.964   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xE  | Van Hobokenhaven 17 2993HH Barendrecht        | 93.456   | 428.868   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XE  | John F. Kennedystraat 17 3274CG Heinenoord    | 92.420   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xF  | Kabbelkant 12 2993DC Barendrecht              | 94.012   | 428.899   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XF  | Oranjestraat 21 3274AK Heinenoord             | 92.253   | 426.921   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xG  | Müllerhaven 14 2993EA Barendrecht             | 93.835   | 428.832   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XG  | Avenhil 38 3274CT Heinenoord                  | 92.732   | 426.872   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xH  | Stekkant 71 2993DB Barendrecht                | 93.956   | 428.824   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| XH  | De Laagjes 14 3274CB Heinenoord               | 92.481   | 426.786   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XI  | Emmastraat 9 3274AC Heinenoord                | 92.245   | 426.825   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xI  | Swarttouwhaven 50 2993HP Barendrecht          | 93.505   | 428.821   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XJ  | Abraham Kuyperhof 4 3274CW Heinenoord         | 92.730   | 427.017   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xJ  | Koedood 29 3161GE Rhoon                       | 93.112   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xK  | Koedood 29 3161GE Rhoon                       | 93.114   | 428.797   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Boerengorzen 6 3274CV Heinenoord              | 92.750   | 426.907   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XL  | Kalesland 17 3274CH Heinenoord                | 92.555   | 426.936   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xL  | Weerkant 60 2993DA Barendrecht                | 94.325   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xM  | Spieringwater 1 2993DM Barendrecht            | 94.157   | 428.828   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XM  | Julianastraat 36 3274AG Heinenoord            | 92.162   | 427.014   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xN  | Weerkant 134 2993DA Barendrecht               | 94.227   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 92.215   | 427.027   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xO  | Harderwater 78 2993DW Barendrecht             | 94.304   | 428.866   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XO  | Talmahof 3 3274CN Heinenoord                  | 92.434   | 426.999   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 92.431   | 426.728   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xP  | Harderwater 76 2993DW Barendrecht             | 94.304   | 428.871   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 92.561   | 427.029   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xQ  | Weerkant 17 2993DA Barendrecht                | 94.232   | 428.847   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xR  | Kuikant 167 2993DV Barendrecht                | 94.338   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 92.318   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 92.203   | 426.953   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xS  | Weerkant 38 2993DA Barendrecht                | 94.314   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xT  | Weerkant 14 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XT  | Hermannushof 20 3274CE Heinenoord             | 92.582   | 426.709   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xU  | Weerkant 132 2993DA Barendrecht               | 94.225   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XU  | Kalesland 50 3274CH Heinenoord                | 92.564   | 426.877   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xV  | Weerkant 19 2993DA Barendrecht                | 94.226   | 428.848   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XV  | Buitelanden 6 3274MB Heinenoord               | 92.919   | 426.929   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XW  | Avenhil 1 3274CT Heinenoord                   | 92.669   | 426.912   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xW  | Harderwater 80 2993DW Barendrecht             | 94.304   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 92.309   | 427.061   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xX  | Weerkant 12 2993DA Barendrecht                | 94.311   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 92.764   | 427.007   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xY  | Zalmwater 115 2993DX Barendrecht              | 94.207   | 428.894   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 92.702   | 426.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| xZ  | Weerkant 112 2993DA Barendrecht               | 94.229   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Y   | Blaaksedijk West 35 3274LD Heinenoord         | 93.965   | 425.660   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 97.102   | 427.572   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yA  | Weerkant 76 2993DA Barendrecht                | 94.319   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 92.203   | 426.878   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yB  | Weerkant 100 2993DA Barendrecht               | 94.229   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 92.319   | 426.943   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YC  | De Laagjes 6 3274CB Heinenoord                | 92.446   | 426.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yC  | Weerkant 92 2993DA Barendrecht                | 94.225   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YD  | Rietwaard 16 3274MA Heinenoord                | 92.800   | 426.876   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yD  | Weerkant 6 2993DA Barendrecht                 | 94.321   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YE  | De Laagjes 3 3274CB Heinenoord                | 92.453   | 426.842   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yE  | Weerkant 46 2993DA Barendrecht                | 94.323   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yF  | Weerkant 18 2993DA Barendrecht                | 94.314   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 92.765   | 427.001   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yG  | Weerkant 64 2993DA Barendrecht                | 94.312   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 92.335   | 427.032   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yH  | Weerkant 118 2993DA Barendrecht               | 94.231   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 92.333   | 426.836   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yl  | Harderwater 49 2993DW Barendrecht             | 94.275   | 428.879   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YI  | Avenhil 8 3274CT Heinenoord                   | 92.636   | 426.922   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yJ  | Weerkant 94 2993DA Barendrecht                | 94.227   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YJ  | Kalesland 66 3274CH Heinenoord                | 92.605   | 426.905   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yK  | Weerkant 1 2993DA Barendrecht                 | 94.255   | 428.856   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YK  | Kalesland 2 3274CH Heinenoord                 | 92.482   | 426.947   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Zalmwater 125 2993DX Barendrecht              | 94.176   | 428.896   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YL  | Koomansland 3 3274CJ Heinenoord               | 92.450   | 426.942   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |
|-----|---|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|
|     |   |          |           | [m] | [m]   | [m]    | [m]              | CW<br>[°]             | [°]                |                    |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 92.574   | 426.992   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yM  | Weerkant 114 2993DA Barendrecht               | 94.231   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yN  | Weerkant 20 2993DA Barendrecht                | 94.323   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 92.904   | 427.037   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yO  | Weerkant 138 2993DA Barendrecht               | 94.231   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 92.184   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YP  | Kalesland 60 3274CH Heinenoord                | 92.595   | 426.884   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yP  | Weerkant 48 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 94.169   | 428.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YQ  | Julianastraat 44 3274AG Heinenoord            | 92.152   | 427.056   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yR  | Weerkant 24 2993DA Barendrecht                | 94.324   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 92.712   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YS  | Rietwaard 19 3274MA Heinenoord                | 92.884   | 426.887   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yS  | Spieringwater 13 2993DM Barendrecht           | 94.160   | 428.861   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 92.335   | 426.862   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yT  | Weerkant 62 2993DA Barendrecht                | 94.322   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 92.315   | 427.060   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yU  | Weerkant 146 2993DA Barendrecht               | 94.231   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 92.730   | 427.022   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yV  | Weerkant 82 2993DA Barendrecht                | 94.315   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yW  | Spieringwater 9 2993DM Barendrecht            | 94.159   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 92.537   | 426.742   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 92.177   | 426.979   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yX  | Weerkant 136 2993DA Barendrecht               | 94.229   | 428.802   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yY  | Weerkant 158 2993DA Barendrecht               | 94.221   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 92.465   | 426.755   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 92.612   | 427.043   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 94.159   | 428.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 93.916   | 425.686   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 97.098   | 427.555   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zA  | Weerkant 86 2993DA Barendrecht                | 94.266   | 428.793   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 92.415   | 426.976   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zB  | Weerkant 32 2993DA Barendrecht                | 94.324   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 92.245   | 427.047   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zC  | Spieringwater 5 2993DM Barendrecht            | 94.158   | 428.839   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 92.809   | 426.904   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZD  | Kalesland 34 3274CH Heinenoord                | 92.530   | 426.897   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zD  | Weerkant 126 2993DA Barendrecht               | 94.223   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 92.663   | 427.045   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zE  | Weerkant 30 2993DA Barendrecht                | 94.313   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zF  | Weerkant 104 2993DA Barendrecht               | 94.225   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 92.850   | 426.948   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zG  | Weerkant 70 2993DA Barendrecht                | 94.324   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 92.718   | 426.916   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 92.662   | 427.010   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zH  | Weerkant 10 2993DA Barendrecht                | 94.323   | 428.795   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 92.665   | 426.913   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zI  | Weerkant 33 2993DA Barendrecht                | 94.189   | 428.850   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zJ  | Weerkant 26 2993DA Barendrecht                | 94.325   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 92.211   | 426.995   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zK  | Weerkant 130 2993DA Barendrecht               | 94.223   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 92.239   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 92.365   | 426.982   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zL  | Weerkant 4 2993DA Barendrecht                 | 94.323   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 92.685   | 426.978   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zM  | Weerkant 68 2993DA Barendrecht                | 94.322   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zN  | Weerkant 96 2993DA Barendrecht                | 94.229   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 92.489   | 427.003   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zO  | Weerkant 34 2993DA Barendrecht                | 94.318   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 92.345   | 426.926   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zP  | Weerkant 31 2993DA Barendrecht                | 94.194   | 428.849   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| ZP  | Koelmansland 7 3274CJ Heinenoord              | 92.449   | 426.928   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |
| zQ  | Weerkant 148 2993DA Barendrecht               | 94.229   | 428.790   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

Opstelling 2c

Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 15:11/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                          | Name               | X (east) | Y (north) | Z   | Width | Height | Height<br>a.g.l. | Degrees<br>from south | Slope of<br>window | Direction mode     |     |
|------------------------------|--------------------|----------|-----------|-----|-------|--------|------------------|-----------------------|--------------------|--------------------|-----|
|                              |                    |          |           |     |       |        |                  |                       |                    | [m]                | [m] |
| ZQ Talmahof 5                | 3274CN Heinenoord  | 92.434   | 427.005   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZR Irenestraat 14            | 3274AE Heinenoord  | 92.259   | 426.952   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zR Weerkant 144              | 2993DA Barendrecht | 94.233   | 428.794   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zS Weerkant 116              | 2993DA Barendrecht | 94.232   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZS Oosteinde 26              | 3274KC Heinenoord  | 92.674   | 426.641   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZT John F. Kennedystraat 25  | 3274CG Heinenoord  | 92.447   | 426.975   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZT Spieringwater 11          | 2993DM Barendrecht | 94.159   | 428.855   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zU Weerkant 140              | 2993DA Barendrecht | 94.233   | 428.798   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZU Wouter van den Walestr 58 | 3274CS Heinenoord  | 92.352   | 426.925   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zV Weerkant 42               | 2993DA Barendrecht | 94.318   | 428.792   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZV Margrietstraat 16         | 3274AH Heinenoord  | 92.326   | 426.974   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZW Bernhardstraat 1 A        | 3274AB Heinenoord  | 92.195   | 426.845   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zW Weerkant 122              | 2993DA Barendrecht | 94.227   | 428.791   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zX Weerkant 168              | 2993DA Barendrecht | 94.149   | 428.799   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZX De Laagjes 13             | 3274CB Heinenoord  | 92.501   | 426.844   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZY Marijkestraat 3           | 3274AJ Heinenoord  | 92.262   | 427.071   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zY Weerkant 80               | 2993DA Barendrecht | 94.317   | 428.800   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| ZZ Wouter van den Walestr 46 | 3274CS Heinenoord  | 92.363   | 426.963   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |
| zz Weerkant 106              | 2993DA Barendrecht | 94.224   | 428.796   | 0,0 | 8,0   | 5,0    | 0,5              | 0,0                   | 90,0               | "Green house mode" |     |

## Calculation Results

Shadow receptor

| No.                            | Name              | Shadow, expected values |                      |
|--------------------------------|-------------------|-------------------------|----------------------|
|                                |                   | Shadow hours            | per year<br>[h/year] |
| [A Kalesland 11                | 3274CH Heinenoord | 2:23                    |                      |
| [B Prof. Teldersstraat 39      | 3274MC Heinenoord | 6:10                    |                      |
| [C Bernhardstraat 1 C          | 3274AB Heinenoord | 0:33                    |                      |
| [D Wiardi Beckmanhof 17        | 3274CX Heinenoord | 3:48                    |                      |
| [E Abraham Kuyperhof 15        | 3274CW Heinenoord | 4:40                    |                      |
| [F Margrietstraat 4            | 3274AH Heinenoord | 0:50                    |                      |
| [G Wiardi Beckmanhof 6         | 3274CX Heinenoord | 3:21                    |                      |
| [H Rietwaard 9                 | 3274MA Heinenoord | 7:36                    |                      |
| [I Kalesland 20                | 3274CH Heinenoord | 2:02                    |                      |
| [J Rietwaard 11                | 3274MA Heinenoord | 7:54                    |                      |
| [K Buitenlanden 14             | 3274MB Heinenoord | 8:46                    |                      |
| [L Abraham Kuyperhof 11        | 3274CW Heinenoord | 4:37                    |                      |
| [M John F. Kennedystraat 29    | 3274CG Heinenoord | 1:51                    |                      |
| [N Marijkestraat 19            | 3274AJ Heinenoord | 1:00                    |                      |
| [O Avenhil 41                  | 3274CT Heinenoord | 4:19                    |                      |
| [P Oosteinde 35                | 3274KB Heinenoord | 4:30                    |                      |
| [Q Martin Luther Kingstraat 26 | 3274CK Heinenoord | 1:46                    |                      |
| [R Oranjestraat 27             | 3274AK Heinenoord | 0:48                    |                      |
| [S John F. Kennedystraat 8     | 3274CG Heinenoord | 3:29                    |                      |
| [T Emmastraat 14               | 3274AC Heinenoord | 0:48                    |                      |
| [U Irenestraat 23              | 3274AD Heinenoord | 0:45                    |                      |
| [V Spuibedelen 3               | 3274CM Heinenoord | 2:19                    |                      |
| [W Beatrixstraat 42            | 3274AA Heinenoord | 0:37                    |                      |
| [X Buitenlanden 7              | 3274MB Heinenoord | 8:38                    |                      |
| [Y Koomansland 38              | 3274CJ Heinenoord | 1:37                    |                      |
| [Z Kalesland 16                | 3274CH Heinenoord | 1:55                    |                      |
| \A Kalesland 8                 | 3274CH Heinenoord | 1:49                    |                      |
| \B Talmahof 1                  | 3274CN Heinenoord | 1:32                    |                      |
| \C Koomansland 17              | 3274CJ Heinenoord | 1:51                    |                      |
| \D Irenestraat 22              | 3274AE Heinenoord | 0:47                    |                      |
| \E John F. Kennedystraat 65    | 3274CG Heinenoord | 3:50                    |                      |
| \F Spuibedelen 10              | 3274CM Heinenoord | 2:54                    |                      |
| \G Thorbeckehof 5              | 3274CP Heinenoord | 2:48                    |                      |
| \H Spuibedelen 6               | 3274CM Heinenoord | 2:47                    |                      |
| \I Prof. Teldersstraat 29      | 3274CZ Heinenoord | 5:46                    |                      |
| \J John F. Kennedystraat 45    | 3274CG Heinenoord | 2:12                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| \K  | John F. Kennedystraat 16 3274CG Heinenoord    | 4:13                    |                      |
| \L  | Oosteinde 8 3274KC Heinenoord                 | 3:38                    |                      |
| \M  | Abraham Kuyperhof 2 3274CW Heinenoord         | 4:09                    |                      |
| \N  | De Laagjes 11 3274CB Heinenoord               | 1:49                    |                      |
| \O  | Dreeshof 5 3274CC Heinenoord                  | 2:06                    |                      |
| \P  | Prof. Teldersstraat 47 3274MC Heinenoord      | 6:51                    |                      |
| \Q  | Oranjestraat 19 3274AK Heinenoord             | 0:40                    |                      |
| \R  | Wouter van den Walestr 4 3274CR Heinenoord    | 1:02                    |                      |
| \S  | Prof. Teldersstraat 18 3274MC Heinenoord      | 6:10                    |                      |
| \T  | John F. Kennedystraat 11 3274CG Heinenoord    | 1:23                    |                      |
| \U  | Prof. Teldersstraat 28 3274MC Heinenoord      | 6:53                    |                      |
| \V  | Marijkestraat 1 A 3274AJ Heinenoord           | 0:39                    |                      |
| \W  | Spuivelden 7 3274CM Heinenoord                | 2:17                    |                      |
| \X  | Avenhil 19 3274CT Heinenoord                  | 3:44                    |                      |
| \Y  | Spuivelden 12 3274CM Heinenoord               | 2:59                    |                      |
| \Z  | Dorpsstraat 13 3274BB Heinenoord              | 0:45                    |                      |
| ]A  | Buitenlanden 11 3274MB Heinenoord             | 8:09                    |                      |
| ]B  | John F. Kennedystraat 31 3274CG Heinenoord    | 1:53                    |                      |
| ]C  | Prof. Teldersstraat 23 3274CZ Heinenoord      | 5:43                    |                      |
| ]D  | De Laagjes 8 3274CB Heinenoord                | 1:43                    |                      |
| ]E  | Abraham Kuyperhof 14 3274CW Heinenoord        | 4:38                    |                      |
| ]F  | Dorpsstraat 6 3274BD Heinenoord               | 1:31                    |                      |
| ]G  | Buitenlanden 16 3274MB Heinenoord             | 8:26                    |                      |
| ]H  | Rietwaard 3 3274MA Heinenoord                 | 7:00                    |                      |
| ]I  | Molenweg 1 3274LM Heinenoord                  | 5:23                    |                      |
| ]J  | Kalesland 44 3274CH Heinenoord                | 2:25                    |                      |
| ]K  | Avenhil 44 3274CT Heinenoord                  | 4:21                    |                      |
| ]L  | John F. Kennedystraat 1 3274CG Heinenoord     | 1:22                    |                      |
| ]M  | Zomerlandseweg 1 3274LX Heinenoord            | 4:19                    |                      |
| ]N  | John F. Kennedystraat 20 3274CG Heinenoord    | 4:17                    |                      |
| ]O  | Buitenlanden 19 3274MB Heinenoord             | 7:37                    |                      |
| ]P  | Kalesland 14 3274CH Heinenoord                | 1:53                    |                      |
| ]Q  | Martin Luther Kingstraat 58 3274CL Heinenoord | 2:34                    |                      |
| ]R  | Abraham Kuyperhof 9 3274CW Heinenoord         | 4:14                    |                      |
| ]S  | Oosteinde 30 3274KC Heinenoord                | 5:26                    |                      |
| ]T  | Martin Luther Kingstraat 40 3274CL Heinenoord | 2:00                    |                      |
| ]U  | Heyne van Althenastraat 12 3274CD Heinenoord  | 1:37                    |                      |
| ]V  | Martin Luther Kingstraat 54 3274CL Heinenoord | 2:23                    |                      |
| ]W  | Kalesland 13 3274CH Heinenoord                | 2:23                    |                      |
| ]X  | Koimansland 16 3274CJ Heinenoord              | 1:24                    |                      |
| ]Y  | John F. Kennedystraat 49 3274CG Heinenoord    | 2:29                    |                      |
| ]Z  | Abraham Kuyperhof 10 3274CW Heinenoord        | 4:19                    |                      |
| ^A  | Kalesland 24 3274CH Heinenoord                | 2:06                    |                      |
| ^B  | Buitenlanden 5 3274MB Heinenoord              | 8:44                    |                      |
| ^C  | Koimansland 30 3274CJ Heinenoord              | 1:30                    |                      |
| ^D  | Heyne van Althenastraat 36 3274CD Heinenoord  | 2:51                    |                      |
| ^E  | Kalesland 54 3274CH Heinenoord                | 2:36                    |                      |
| ^F  | Emmastraat 1 3274AC Heinenoord                | 0:38                    |                      |
| ^G  | Wouter van den Walestr 22 3274CR Heinenoord   | 1:02                    |                      |
| ^H  | Wouter van den Walestr 50 3274CS Heinenoord   | 1:13                    |                      |
| ^I  | Avenhil 45 3274CT Heinenoord                  | 4:40                    |                      |
| ^J  | Irenestraat 38 3274AE Heinenoord              | 0:50                    |                      |
| ^K  | Wouter van den Walestr 66 3274CS Heinenoord   | 1:13                    |                      |
| ^L  | Oranjestraat 11 3274AK Heinenoord             | 0:28                    |                      |
| ^M  | Kalesland 48 3274CH Heinenoord                | 2:30                    |                      |
| ^N  | Buitenlanden 9 3274MB Heinenoord              | 8:14                    |                      |
| ^O  | Wiardi Beckmanhof 10 3274CX Heinenoord        | 3:23                    |                      |
| ^P  | Kalesland 74 3274CH Heinenoord                | 2:44                    |                      |
| ^Q  | Rietwaard 18 3274MA Heinenoord                | 6:36                    |                      |
| ^R  | Oranjestraat 25 3274AK Heinenoord             | 0:47                    |                      |
| ^S  | Heyne van Althenastraat 20 3274CD Heinenoord  | 1:48                    |                      |
| ^T  | Kalesland 15 3274CH Heinenoord                | 2:23                    |                      |
| ^U  | Buitenlanden 10 3274MB Heinenoord             | 9:15                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| ^V  | Heyne van Althenastraat 38 3274CD Heinenoord  | 2:58  |              |
| ^W  | Spuivelden 13 3274CM Heinenoord               | 2:16  |              |
| ^X  | Rietwaard 13 3274MA Heinenoord                | 8:03  |              |
| ^Y  | Wouter van den Walestr 24 3274CR Heinenoord   | 1:03  |              |
| ^Z  | Abraham Kuyperhof 12 3274CW Heinenoord        | 4:39  |              |
| _A  | Kalesland 12 3274CH Heinenoord                | 1:48  |              |
| _B  | Hermannushof 18 3274CE Heinenoord             | 3:00  |              |
| _C  | Willem de Zwijgerstraat 12 3274AL Heinenoord  | 0:30  |              |
| _D  | Prof. Teldersstraat 8 3274MC Heinenoord       | 6:18  |              |
| _E  | Margrietstraat 15 3274AH Heinenoord           | 0:53  |              |
| _F  | Emmastraat 18 3274AC Heinenoord               | 0:50  |              |
| _G  | Abraham Kuyperhof 17 3274CW Heinenoord        | 4:40  |              |
| _H  | John F. Kennedystraat 6 3274CG Heinenoord     | 3:29  |              |
| _I  | John F. Kennedystraat 30 3274CG Heinenoord    | 5:32  |              |
| _J  | Oranjestraat 18 3274AK Heinenoord             | 0:29  |              |
| _K  | Avenhil 26 3274CT Heinenoord                  | 4:20  |              |
| _L  | Spuivelden 4 3274CM Heinenoord                | 2:46  |              |
| _M  | Wouter van den Walestr 6 3274CR Heinenoord    | 1:02  |              |
| _N  | Martin Luther Kingstraat 18 3274CK Heinenoord | 1:30  |              |
| _O  | Rietwaard 12 3274MA Heinenoord                | 6:21  |              |
| _P  | Bernhardstraat 10 3274AB Heinenoord           | 0:43  |              |
| _Q  | Kalesland 62 3274CH Heinenoord                | 2:48  |              |
| _R  | John F. Kennedystraat 53 3274CG Heinenoord    | 2:38  |              |
| _S  | Koimansland 20 3274CJ Heinenoord              | 1:18  |              |
| _T  | Boerengorzen 7 3274CV Heinenoord              | 5:32  |              |
| _U  | Talmahof 12 3274CN Heinenoord                 | 1:52  |              |
| _V  | John F. Kennedystraat 81 3274CG Heinenoord    | 5:20  |              |
| _W  | Rietwaard 15 3274MA Heinenoord                | 8:42  |              |
| _X  | Oosteinde 43 3274KB Heinenoord                | 4:56  |              |
| _Y  | De Laagjes 9 3274CB Heinenoord                | 1:48  |              |
| _Z  | Beatrixstraat 40 3274AA Heinenoord            | 0:37  |              |
| `A  | Prof. Teldersstraat 51 3274MC Heinenoord      | 6:55  |              |
| `B  | Heyne van Althenastraat 24 3274CD Heinenoord  | 1:54  |              |
| `C  | Andries Woutershof 22 3274CA Heinenoord       | 2:15  |              |
| `D  | Bernhardstraat 14 3274AB Heinenoord           | 0:45  |              |
| `E  | Dreeshof 8 3274CC Heinenoord                  | 2:31  |              |
| `F  | Irenestraat 32 3274AE Heinenoord              | 0:54  |              |
| `G  | Dorpsstraat 12 3274BD Heinenoord              | 1:27  |              |
| `H  | Wouter van den Walestr 40 3274CS Heinenoord   | 1:09  |              |
| `I  | Prof. Teldersstraat 2 3274MC Heinenoord       | 6:22  |              |
| `J  | Wouter van den Walestr 10 3274CR Heinenoord   | 1:00  |              |
| `K  | De Laagjes 32 3274CB Heinenoord               | 2:24  |              |
| `L  | Margrietstraat 7 3274AH Heinenoord            | 0:51  |              |
| `M  | Irenestraat 11 3274AD Heinenoord              | 0:44  |              |
| `N  | Bernhardstraat 1 D 3274AB Heinenoord          | 0:33  |              |
| `O  | Prof. Teldersstraat 1 3274CZ Heinenoord       | 5:23  |              |
| `P  | Willem de Zwijgerstraat 10 3274AL Heinenoord  | 0:30  |              |
| `Q  | Wouter van den Walestr 14 3274CR Heinenoord   | 1:02  |              |
| `R  | John F. Kennedystraat 63 3274CG Heinenoord    | 3:46  |              |
| `S  | Prof. Teldersstraat 19 3274CZ Heinenoord      | 5:09  |              |
| `T  | Emmastraat 36 3274AC Heinenoord               | 0:32  |              |
| `U  | Marijkestraat 1 3274AJ Heinenoord             | 0:47  |              |
| `V  | Spuivelden 27 3274CM Heinenoord               | 2:47  |              |
| `W  | Bernhardstraat 1 3274AB Heinenoord            | 0:34  |              |
| `X  | Wouter van den Walestr 62 3274CS Heinenoord   | 1:11  |              |
| `Y  | John F. Kennedystraat 61 3274CG Heinenoord    | 3:40  |              |
| `Z  | Wouter van den Walestr 68 3274CS Heinenoord   | 1:13  |              |
| {A} | Weerkant 88 2993DA Barendrecht                | 0:00  |              |
| {B} | Weerkant 5 2993DA Barendrecht                 | 0:00  |              |
| {C} | Weerkant 72 2993DA Barendrecht                | 0:00  |              |
| {D} | Zalmwater 111 2993DX Barendrecht              | 0:00  |              |
| {E} | Weerkant 37 2993DA Barendrecht                | 0:00  |              |
| {F} | Weerkant 166 2993DA Barendrecht               | 0:00  |              |

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Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 15:11/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name                                       | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
| {G  | Weerkant 128 2993DA Barendrecht            | 0:00                                 |
| {H  | Weerkant 56 2993DA Barendrecht             | 0:00                                 |
| {I  | Weerkant 23 2993DA Barendrecht             | 0:00                                 |
| {J  | Weerkant 25 2993DA Barendrecht             | 0:00                                 |
| {K  | Weerkant 21 2993DA Barendrecht             | 0:00                                 |
| {L  | Weerkant 66 2993DA Barendrecht             | 0:00                                 |
| {M  | Weerkant 120 2993DA Barendrecht            | 0:00                                 |
| {N  | Zalmwater 121 2993DX Barendrecht           | 0:00                                 |
| {O  | Weerkant 22 2993DA Barendrecht             | 0:00                                 |
| {P  | Weerkant 162 2993DA Barendrecht            | 0:00                                 |
| {Q  | Zalmwater 123 2993DX Barendrecht           | 0:00                                 |
| {R  | Weerkant 54 2993DA Barendrecht             | 0:00                                 |
| {S  | Weerkant 44 2993DA Barendrecht             | 0:00                                 |
| {T  | Weerkant 108 2993DA Barendrecht            | 0:00                                 |
| {U  | Weerkant 8 2993DA Barendrecht              | 0:00                                 |
| {V  | Weerkant 150 2993DA Barendrecht            | 0:00                                 |
| {W  | Zalmwater 131 2993DX Barendrecht           | 0:00                                 |
| {X  | Weerkant 35 2993DA Barendrecht             | 0:00                                 |
| {Y  | Weerkant 28 2993DA Barendrecht             | 0:00                                 |
| {Z  | Weerkant 98 2993DA Barendrecht             | 0:00                                 |
| A   | Weerkant 124 2993DA Barendrecht            | 0:00                                 |
| B   | Weerkant 52 2993DA Barendrecht             | 0:00                                 |
| C   | Kuilkant 169 2993DV Barendrecht            | 0:00                                 |
| D   | Weerkant 36 2993DA Barendrecht             | 0:00                                 |
| E   | Weerkant 2 2993DA Barendrecht              | 0:00                                 |
| F   | Weerkant 27 2993DA Barendrecht             | 0:00                                 |
| G   | Weerkant 29 2993DA Barendrecht             | 0:00                                 |
| H   | Weerkant 90 2993DA Barendrecht             | 0:00                                 |
| I   | Weerkant 160 2993DA Barendrecht            | 0:00                                 |
| J   | Zalmwater 117 2993DX Barendrecht           | 0:00                                 |
| K   | Koedood 2 2993AL Barendrecht               | 0:00                                 |
| L   | Weerkant 11 2993DA Barendrecht             | 0:00                                 |
| M   | Weerkant 15 2993DA Barendrecht             | 0:00                                 |
| N   | Weerkant 16 2993DA Barendrecht             | 0:00                                 |
| O   | Weerkant 40 2993DA Barendrecht             | 0:00                                 |
| P   | Weerkant 74 2993DA Barendrecht             | 0:00                                 |
| Q   | Weerkant 78 2993DA Barendrecht             | 0:00                                 |
| R   | Weerkant 102 2993DA Barendrecht            | 0:00                                 |
| S   | Harderwater 51 2993DW Barendrecht          | 0:00                                 |
| T   | Zalmwater 119 2993DX Barendrecht           | 0:00                                 |
| U   | Zalmwater 129 2993DX Barendrecht           | 0:00                                 |
| V   | Weerkant 156 2993DA Barendrecht            | 0:00                                 |
| W   | Spieringwater 3 2993DM Barendrecht         | 0:00                                 |
| X   | Weerkant 7 2993DA Barendrecht              | 0:00                                 |
| Y   | Weerkant 13 2993DA Barendrecht             | 0:00                                 |
| Z   | Weerkant 3 2993DA Barendrecht              | 0:00                                 |
| )A  | Weerkant 9 2993DA Barendrecht              | 0:00                                 |
| )B  | Weerkant 110 2993DA Barendrecht            | 0:00                                 |
| )C  | Weerkant 142 2993DA Barendrecht            | 0:00                                 |
| )D  | Weerkant 154 2993DA Barendrecht            | 0:00                                 |
| )E  | Weerkant 164 2993DA Barendrecht            | 0:00                                 |
| )F  | Weerkant 152 2993DA Barendrecht            | 0:00                                 |
| )G  | Zalmwater 113 2993DX Barendrecht           | 0:00                                 |
| )H  | Weerkant 50 2993DA Barendrecht             | 0:00                                 |
| )I  | Weerkant 58 2993DA Barendrecht             | 0:00                                 |
| )J  | Kuipersveer 9 3274KH Heinenoord            | 2:00                                 |
| )K  | Kuipersveer 7 3274KH Heinenoord            | 1:27                                 |
| )L  | Kuipersveer 3 3274KH Heinenoord            | 0:02                                 |
| )M  | Kuipersveer 5 3274KH Heinenoord            | 0:05                                 |
| )N  | Kuipersveer 1 A 3274KH Heinenoord          | 0:00                                 |
| )O  | Ziedewijdsekade 14 2991VS Barendrecht      | 1:41                                 |
| )P  | 3e Barendrechtseweg 555 2991SH Barendrecht | 2:13                                 |
| )Q  | 3e Barendrechtseweg 454 2992SN Barendrecht | 0:15                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| )R  | Ziedewijdsekade 36 2991SE Barendrecht         | 0:12                                 |
| )S  | 3e Barendrechtseweg 545 2991SH Barendrecht    | 1:24                                 |
| )T  | Ziedewijdsekade 18 2991VS Barendrecht         | 1:57                                 |
| )U  | Ziedewijdsekade 72 2991SE Barendrecht         | 1:12                                 |
| )V  | Ziedewijdsekade 1 2991VS Barendrecht          | 0:52                                 |
| )W  | 3e Barendrechtseweg 541 2991SH Barendrecht    | 0:38                                 |
| )X  | Achterzeedijk 11 2991SB Barendrecht           | 1:59                                 |
| )Y  | Ziedewijdsekade 70 2991SE Barendrecht         | 1:07                                 |
| )Z  | Ziedewijdsekade 10 2991VS Barendrecht         | 0:36                                 |
| -A  | 3e Barendrechtseweg 559 2991SH Barendrecht    | 2:42                                 |
| -B  | Ziedewijdsekade 12 2991VS Barendrecht         | 0:26                                 |
| -C  | Ziedewijdsekade 34 2991SE Barendrecht         | 0:11                                 |
| -D  | Achterzeedijk 1 2991SB Barendrecht            | 3:01                                 |
| -E  | Achterzeedijk 1 a 1 2991SB Barendrecht        | 1:25                                 |
| -F  | Achterzeedijk 1 a 2 2991SB Barendrecht        | 1:27                                 |
| -G  | Achterzeedijk 1 a 3 2991SB Barendrecht        | 1:31                                 |
| -H  | Achterzeedijk 1 a 4 2991SB Barendrecht        | 1:34                                 |
| -I  | Achterzeedijk 1 a 6 2991SB Barendrecht        | 1:34                                 |
| -J  | Achterzeedijk 1 a 7 2991SB Barendrecht        | 1:39                                 |
| -K  | Achterzeedijk 1 a 8 2991SB Barendrecht        | 1:44                                 |
| -L  | Achterzeedijk 1 a 9 2991SB Barendrecht        | 1:40                                 |
| -M  | Achterzeedijk 1 a 10 2991SB Barendrecht       | 1:41                                 |
| -N  | Achterzeedijk 1 a 11 2991SB Barendrecht       | 1:45                                 |
| -O  | Achterzeedijk 1 a 12 2991SB Barendrecht       | 1:48                                 |
| -P  | Achterzeedijk 1 a 14 2991SB Barendrecht       | 1:50                                 |
| -Q  | Achterzeedijk 1 a 16 2991SB Barendrecht       | 1:59                                 |
| -R  | Achterzeedijk 1 a 17 2991SB Barendrecht       | 1:59                                 |
| -S  | Achterzeedijk 1 a 18 2991SB Barendrecht       | 2:01                                 |
| -T  | Achterzeedijk 1 a 19 2991SB Barendrecht       | 2:01                                 |
| -U  | Achterzeedijk 1 a 20 2991SB Barendrecht       | 2:07                                 |
| -V  | Achterzeedijk 1 a 21 2991SB Barendrecht       | 2:07                                 |
| -W  | Achterzeedijk 1 a 22 2991SB Barendrecht       | 2:11                                 |
| -X  | Achterzeedijk 1 a 23 2991SB Barendrecht       | 2:18                                 |
| -Y  | Achterzeedijk 1 a 24 2991SB Barendrecht       | 2:24                                 |
| -Z  | Achterzeedijk 1 a 26 2991SB Barendrecht       | 2:29                                 |
| ?AA | Achterzeedijk 1 a 53 2991SB Barendrecht       | 3:38                                 |
| ?BA | Achterzeedijk 1 a 54 2991SB Barendrecht       | 3:57                                 |
| ?CA | Achterzeedijk 1 a 55 2991SB Barendrecht       | 4:15                                 |
| ?DA | Achterzeedijk 1 a 56 2991SB Barendrecht       | 4:32                                 |
| ?EA | Achterzeedijk 1 a 13 2991SB Barendrecht       | 1:45                                 |
| ?FA | Achterzeedijk 1 a 15 2991SB Barendrecht       | 1:53                                 |
| ?GA | Achterzeedijk 1 a 25 2991SB Barendrecht       | 2:31                                 |
| ?HA | Achterzeedijk 1 a 5 2991SB Barendrecht        | 1:29                                 |
| ?IK | Kuipersveer 15 3274KH Heinenoord              | 2:05                                 |
| ?JK | Kuipersveer 31 3274KH Heinenoord              | 2:45                                 |
| ?KK | Kuipersveer 15 A 3274KH Heinenoord            | 2:11                                 |
| ?LK | Kuipersveer 23 3274KH Heinenoord              | 2:30                                 |
| ?MK | Kuipersveer 13 3274KH Heinenoord              | 2:08                                 |
| ?NK | Kuipersveer 15 D 3274KH Heinenoord            | 2:21                                 |
| ?OK | Kuipersveer 19 3274KH Heinenoord              | 2:27                                 |
| ?PK | Kuipersveer 25 3274KH Heinenoord              | 2:34                                 |
| ?QK | Kuipersveer 21 3274KH Heinenoord              | 2:29                                 |
| ?RK | Kuipersveer 35 3274KH Heinenoord              | 2:31                                 |
| ?SK | Kuipersveer 15 C 3274KH Heinenoord            | 2:14                                 |
| ?TK | Kuipersveer 17 3274KH Heinenoord              | 2:25                                 |
| A   | Blaaksedijk West 28 3274LE Heinenoord         | 0:00                                 |
| •A  | Achterzeedijk 1 a 27 2991SB Barendrecht       | 2:30                                 |
| AA  | Blaaksedijk West 26 3274LE Heinenoord         | 0:00                                 |
| aA  | Martin Luther Kingstraat 44 3274CL Heinenoord | 2:07                                 |
| AB  | Doormanstraat 15 3274LK Heinenoord            | 0:00                                 |
| aB  | Rietwaard 22 3274MA Heinenoord                | 11:11                                |
| aC  | Kalesland 68 3274CH Heinenoord                | 2:53                                 |
| AC  | Mollekade 11 3274LN Heinenoord                | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| aD  | Hermannushof 12 3274CE Heinenoord             | 2:43  |              |
| AD  | Boonsweg 55 3274LH Heinenoord                 | 0:00  |              |
| AE  | Dormanstraat 19 3274LK Heinenoord             | 0:00  |              |
| aE  | De Laagjes 24 3274CB Heinenoord               | 2:12  |              |
| AF  | Dormanstraat 35 3274LK Heinenoord             | 0:00  |              |
| aF  | Wouter van den Walestr 42 3274CS Heinenoord   | 1:10  |              |
| aG  | Avenhil 29 3274CT Heinenoord                  | 4:31  |              |
| AG  | Dormanstraat 12 3274LK Heinenoord             | 0:00  |              |
| aH  | Beatrixstraat 50 3274AA Heinenoord            | 0:38  |              |
| AH  | Mollekade 24 A 3274LP Heinenoord              | 0:00  |              |
| AI  | Dormanstraat 21 3274LK Heinenoord             | 0:00  |              |
| aI  | Martin Luther Kingstraat 38 3274CL Heinenoord | 1:58  |              |
| aJ  | Koimansland 34 3274CJ Heinenoord              | 1:38  |              |
| AJ  | Ruyterstraat 6 B 3274LJ Heinenoord            | 0:00  |              |
| aK  | Martin Luther Kingstraat 20 3274CK Heinenoord | 1:34  |              |
| AK  | Trompstraat 20 3274LT Heinenoord              | 0:00  |              |
| aL  | Spuivelden 1 3274CM Heinenoord                | 2:19  |              |
| AL  | van Galenstraat 11 3274LV Heinenoord          | 0:00  |              |
| aM  | Oranjestraat 22 3274AK Heinenoord             | 0:33  |              |
| AM  | Gorzenweg 2 3274LL Heinenoord                 | 0:00  |              |
| AN  | Mollekade 17 3274LN Heinenoord                | 0:02  |              |
| aN  | Koimansland 15 3274CJ Heinenoord              | 1:49  |              |
| aO  | De Laagjes 34 3274CB Heinenoord               | 2:29  |              |
| AO  | Mollekade 21 3274LN Heinenoord                | 0:04  |              |
| AP  | de Ruyterstraat 10 3274LJ Heinenoord          | 0:00  |              |
| aP  | Boerengorzen 12 3274CV Heinenoord             | 4:51  |              |
| aQ  | Hermannushof 22 3274CE Heinenoord             | 3:19  |              |
| AQ  | Mollekade 3 A 3274LN Heinenoord               | 0:00  |              |
| aR  | Prof. Teldersstraat 17 3274CZ Heinenoord      | 5:11  |              |
| AR  | Dormanstraat 31 3274LK Heinenoord             | 0:00  |              |
| AS  | Gorzenweg 1 A 3274LL Heinenoord               | 0:00  |              |
| aS  | Avenhil 31 3274CT Heinenoord                  | 4:37  |              |
| AT  | de Ruyterstraat 4 A 3274LJ Heinenoord         | 0:00  |              |
| aT  | Martin Luther Kingstraat 4 3274CK Heinenoord  | 1:16  |              |
| aU  | Emmastraat 5 3274AC Heinenoord                | 0:39  |              |
| AU  | de Ruyterstraat 6 A 3274LJ Heinenoord         | 0:00  |              |
| aV  | Prof. Teldersstraat 33 3274MC Heinenoord      | 6:21  |              |
| AV  | Mollekade 13 A 3274LN Heinenoord              | 0:01  |              |
| aW  | Abraham Kuyperhof 6 3274CW Heinenoord         | 4:01  |              |
| AW  | Blaaksedijk West 15 3274LD Heinenoord         | 0:00  |              |
| aX  | Prof. Teldersstraat 9 3274CZ Heinenoord       | 5:16  |              |
| AX  | Dormanstraat 25 3274LK Heinenoord             | 0:00  |              |
| AY  | Blaaksedijk West 16 A 3274LE Heinenoord       | 0:00  |              |
| aY  | Andries Woutershof 6 3274CA Heinenoord        | 1:55  |              |
| AZ  | Gorzenweg 1 3274LL Heinenoord                 | 0:00  |              |
| aZ  | Beatrixstraat 25 3274AA Heinenoord            | 0:34  |              |
| B   | Blaaksedijk West 49 3274LD Heinenoord         | 0:00  |              |
| •B  | Achterzeedijk 1 a 28 2991SB Barendrecht       | 2:32  |              |
| bA  | Koimansland 9 3274CJ Heinenoord               | 1:38  |              |
| BA  | Nijverheidsweg 32 3274KJ Heinenoord           | 0:00  |              |
| BB  | Blaaksedijk West 19 3274LD Heinenoord         | 0:00  |              |
| bB  | Avenhil 22 3274CT Heinenoord                  | 4:04  |              |
| BC  | Mollekade 15 3274LN Heinenoord                | 0:02  |              |
| bC  | John F. Kennedystraat 87 3274CG Heinenoord    | 7:00  |              |
| bD  | John F. Kennedystraat 32 3274CG Heinenoord    | 5:39  |              |
| BD  | Trompstraat 10 3274LT Heinenoord              | 0:00  |              |
| BE  | Mollekade 27 3274LN Heinenoord                | 0:11  |              |
| bE  | Irenestraat 17 3274AD Heinenoord              | 0:44  |              |
| BF  | Blaaksedijk West 21 3274LD Heinenoord         | 0:00  |              |
| bF  | Spuivelden 23 3274CM Heinenoord               | 2:47  |              |
| bG  | Kalesland 36 3274CH Heinenoord                | 2:14  |              |
| BG  | Piet Heinstraat 1 3274LR Heinenoord           | 0:00  |              |
| bH  | Koimansland 4 3274CJ Heinenoord               | 1:27  |              |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | Shadow, expected values              |
|-----|--|--------------------------------------|
|     |  | Shadow hours<br>per year<br>[h/year] |
|     | BH Mollekade 1 3274LN Heinenoord             | 0:00                                 |
|     | BI de Ruyterstraat 15 3274LJ Heinenoord      | 0:00                                 |
|     | bI Jan de Rooystraat 1 3274NA Heinenoord     | 3:29                                 |
|     | bJ Jan de Rooystraat 3 3274NA Heinenoord     | 3:31                                 |
|     | BJ Blaaksedijk West 14 3274LE Heinenoord     | 0:00                                 |
|     | bK Jan de Rooystraat 5 3274NA Heinenoord     | 3:34                                 |
|     | BK Mollekade 8 3274LP Heinenoord             | 0:00                                 |
|     | BL de Ruyterstraat 2 B 3274LJ Heinenoord     | 0:00                                 |
|     | bL Jan de Rooystraat 7 3274NA Heinenoord     | 3:39                                 |
|     | BM van Galenstraat 4 3274LV Heinenoord       | 0:00                                 |
|     | bM Jan de Rooystraat 9 3274NA Heinenoord     | 3:43                                 |
|     | BN Mollekade 23 A 3274LN Heinenoord          | 0:07                                 |
|     | bN Jan de Rooystraat 11 3274NA Heinenoord    | 3:45                                 |
|     | BO Blaaksedijk West 20 3274LE Heinenoord     | 0:00                                 |
|     | bO Jan de Rooystraat 13 3274NA Heinenoord    | 3:51                                 |
|     | bP Jan de Rooystraat 2 3274NA Heinenoord     | 3:59                                 |
|     | BP Dormanstraat 45 3274LK Heinenoord         | 0:00                                 |
|     | BQ de Ruyterstraat 4 B 3274LJ Heinenoord     | 0:00                                 |
|     | bQ Jan de Rooystraat 4 3274NA Heinenoord     | 4:01                                 |
|     | BR Nijverheidsweg 7 3274KJ Heinenoord        | 0:00                                 |
|     | bR Jan de Rooystraat 6 3274NA Heinenoord     | 4:03                                 |
|     | bS Jan de Rooystraat 8 3274NA Heinenoord     | 4:16                                 |
|     | BS Gorzenweg 9 3274LL Heinenoord             | 0:00                                 |
|     | bT Jan de Rooystraat 10 3274NA Heinenoord    | 4:23                                 |
|     | BT Mollekade 9 3274LN Heinenoord             | 0:00                                 |
|     | BU de Ruyterstraat 14 3274LJ Heinenoord      | 0:00                                 |
|     | bU Jan de Rooystraat 12 3274NA Heinenoord    | 4:26                                 |
|     | BV Boonsweg 69 3274LH Heinenoord             | 0:00                                 |
|     | bV Jan de Rooystraat 14 3274NA Heinenoord    | 4:35                                 |
|     | BW Boonsweg 65 3274LH Heinenoord             | 0:00                                 |
|     | bW Jan de Rooystraat 16 3274NA Heinenoord    | 4:44                                 |
|     | BX Trompstraat 14 3274LT Heinenoord          | 0:00                                 |
|     | bX Arie Jongekrijgstraat 1 3274NB Heinenoord | 4:29                                 |
|     | BY Blaaksedijk West 18 3274LE Heinenoord     | 0:00                                 |
|     | bY Arie Jongekrijgstraat 3 3274NB Heinenoord | 4:36                                 |
|     | BZ van Galenstraat 7 3274LV Heinenoord       | 0:00                                 |
|     | bZ Arie Jongekrijgstraat 5 3274NB Heinenoord | 4:39                                 |
|     | C Blaaksedijk West 34 3274LE Heinenoord      | 0:00                                 |
| •C  | Achterdijk 1 a 29 2991SB Barendrecht         | 2:49                                 |
| cA  | Arie Jongekrijgstraat 13 3274NB Heinenoord   | 6:28                                 |
| CA  | de Ruyterstraat 17 3274LJ Heinenoord         | 0:00                                 |
| cB  | Arie Jongekrijgstraat 15 3274NB Heinenoord   | 6:57                                 |
| CB  | Trompstraat 16 3274LT Heinenoord             | 0:00                                 |
| cC  | Arie Jongekrijgstraat 17 3274NB Heinenoord   | 7:16                                 |
| CC  | Blaaksedijk West 12 3274LE Heinenoord        | 0:00                                 |
| CD  | Boonsweg 14 3274LH Heinenoord                | 0:00                                 |
| cD  | Arie Jongekrijgstraat 19 3274NB Heinenoord   | 7:22                                 |
| CE  | Mollekade 10 3274LP Heinenoord               | 0:00                                 |
| cE  | Arie Jongekrijgstraat 21 3274NB Heinenoord   | 7:28                                 |
| CF  | Gorzenweg 5 3274LL Heinenoord                | 0:00                                 |
| cF  | Arie Jongekrijgstraat 23 3274NB Heinenoord   | 7:28                                 |
| cG  | Arie Jongekrijgstraat 2 3274NB Heinenoord    | 5:01                                 |
| CG  | van Galenstraat 14 3274LV Heinenoord         | 0:00                                 |
| CH  | Trompstraat 22 3274LT Heinenoord             | 0:00                                 |
| cH  | Arie Jongekrijgstraat 4 3274NB Heinenoord    | 5:05                                 |
| cI  | Arie Jongekrijgstraat 6 3274NB Heinenoord    | 5:08                                 |
| CI  | van Galenstraat 2 3274LV Heinenoord          | 0:00                                 |
| cJ  | Arie Jongekrijgstraat 8 3274NB Heinenoord    | 5:16                                 |
| CJ  | Mollekade 13 3274LN Heinenoord               | 0:00                                 |
| cK  | Arie Jongekrijgstraat 10 3274NB Heinenoord   | 5:34                                 |
| CK  | Dormanstraat 37 3274LK Heinenoord            | 0:00                                 |
| CL  | Arie Jongekrijgstraat 12 3274NB Heinenoord   | 5:44                                 |
| CL  | van Galenstraat 12 3274LV Heinenoord         | 0:00                                 |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                           | Name               | Shadow, expected values  |          |
|-------------------------------|--------------------|--------------------------|----------|
|                               |                    | Shadow hours<br>per year | [h/year] |
| cM Arie Jongekrijgstraat 14   | 3274NB Heinenoord  | 5:51                     |          |
| CM Boonsweg 12                | 3274LH Heinenoord  | 0:00                     |          |
| CN Piet Heinstraat 2          | 3274LR Heinenoord  | 0:00                     |          |
| cN Arie Jongekrijgstraat 16   | 3274NB Heinenoord  | 5:58                     |          |
| cO Arie Jongekrijgstraat 18   | 3274NB Heinenoord  | 6:13                     |          |
| CO Doormanstraat 33           | 3274LK Heinenoord  | 0:00                     |          |
| CP Piet Heinstraat 3          | 3274LR Heinenoord  | 0:00                     |          |
| cP Arie Jongekrijgstraat 20   | 3274NB Heinenoord  | 6:37                     |          |
| cQ Opper Van Treurenstraat 2  | 3274ND Heinenoord  | 6:18                     |          |
| CQ van Galenstraat 16         | 3274LV Heinenoord  | 0:00                     |          |
| CR Gorzenweg 7                | 3274LL Heinenoord  | 0:00                     |          |
| cR Opper Van Treurenstraat 4  | 3274ND Heinenoord  | 6:21                     |          |
| CS Doormanstraat 27           | 3274LK Heinenoord  | 0:00                     |          |
| cS Opper Van Treurenstraat 6  | 3274ND Heinenoord  | 6:23                     |          |
| CT de Ruyterstraat 19         | 3274LJ Heinenoord  | 0:00                     |          |
| cT Opper Van Treurenstraat 8  | 3274ND Heinenoord  | 6:28                     |          |
| cU Opper Van Treurenstraat 10 | 3274ND Heinenoord  | 6:33                     |          |
| CU Trompstraat 12             | 3274LT Heinenoord  | 0:00                     |          |
| CV Nijverheidsweg 47          | 3274KJ Heinenoord  | 0:00                     |          |
| cV Opper Van Treurenstraat 12 | 3274ND Heinenoord  | 6:38                     |          |
| CW Doormanstraat 39           | 3274LK Heinenoord  | 0:00                     |          |
| cW Opper Van Treurenstraat 14 | 3274ND Heinenoord  | 6:43                     |          |
| cX Opper Van Treurenstraat 16 | 3274ND Heinenoord  | 6:49                     |          |
| CX Boonsweg 6                 | 3274LH Heinenoord  | 0:00                     |          |
| CY Piet Heinstraat 9          | 3274LR Heinenoord  | 0:00                     |          |
| cY Opper Van Treurenstraat 18 | 3274ND Heinenoord  | 6:53                     |          |
| cZ Opper Van Treurenstraat 20 | 3274ND Heinenoord  | 7:02                     |          |
| CZ Nijverheidsweg 8           | 3274KJ Heinenoord  | 0:00                     |          |
| D Blaaksedijk West 41         | 3274LD Heinenoord  | 0:00                     |          |
| •D Achtereedijk 1 a 30        | 2991SB Barendrecht | 2:56                     |          |
| dA Opper Van Treurenstraat 22 | 3274ND Heinenoord  | 7:09                     |          |
| DA Boonsweg 4                 | 3274LH Heinenoord  | 0:00                     |          |
| dB Opper Van Treurenstraat 24 | 3274ND Heinenoord  | 7:19                     |          |
| DB de Ruyterstraat 2 A        | 3274LJ Heinenoord  | 0:00                     |          |
| dC Opper Van Treurenstraat 26 | 3274ND Heinenoord  | 7:30                     |          |
| DC van Galenstraat 1          | 3274LV Heinenoord  | 0:00                     |          |
| DD Mollekade 7                | 3274LN Heinenoord  | 0:00                     |          |
| dd Opper Van Treurenstraat 28 | 3274ND Heinenoord  | 7:51                     |          |
| DE Mollekade 4                | 3274LP Heinenoord  | 0:00                     |          |
| dE Opper Van Treurenstraat 30 | 3274ND Heinenoord  | 8:01                     |          |
| DF Mollekade 2                | 3274LP Heinenoord  | 0:00                     |          |
| dF Opper Van Treurenstraat 32 | 3274ND Heinenoord  | 8:12                     |          |
| dG Opper Van Treurenstraat 34 | 3274ND Heinenoord  | 8:33                     |          |
| DG van Galenstraat 28         | 3274LV Heinenoord  | 0:00                     |          |
| DH Mollekade 6                | 3274LP Heinenoord  | 0:00                     |          |
| dH Opper Van Treurenstraat 36 | 3274ND Heinenoord  | 8:32                     |          |
| dI Opper Van Treurenstraat 38 | 3274ND Heinenoord  | 8:30                     |          |
| DI Mollekade 26 C             | 3274LP Heinenoord  | 0:10                     |          |
| DJ Mollekade 26 A             | 3274LP Heinenoord  | 0:07                     |          |
| dJ Opper Van Treurenstraat 40 | 3274ND Heinenoord  | 8:32                     |          |
| DK Nijverheidsweg 36          | 3274KJ Heinenoord  | 0:00                     |          |
| dk Opper Van Treurenstraat 42 | 3274ND Heinenoord  | 8:27                     |          |
| DL Doormanstraat 18           | 3274LK Heinenoord  | 0:00                     |          |
| dL Opper Van Treurenstraat 44 | 3274ND Heinenoord  | 8:25                     |          |
| dM Opper Van Treurenstraat 46 | 3274ND Heinenoord  | 8:25                     |          |
| DM de Ruyterstraat 9          | 3274LJ Heinenoord  | 0:00                     |          |
| DN van Galenstraat 20         | 3274LV Heinenoord  | 0:00                     |          |
| dN Opper Van Treurenstraat 48 | 3274ND Heinenoord  | 8:20                     |          |
| DO Mollekade 5                | 3274LN Heinenoord  | 0:00                     |          |
| dO Opper Van Treurenstraat 50 | 3274ND Heinenoord  | 8:15                     |          |
| DP Mollekade 25               | 3274LN Heinenoord  | 0:09                     |          |
| dP Opper Van Treurenstraat 52 | 3274ND Heinenoord  | 8:10                     |          |
| DQ Blaaksedijk West 17        | 3274LD Heinenoord  | 0:00                     |          |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| dQ  | Opper Van Treurenstraat 54 3274ND Heinenoord | 8:06                    |                      |
| DR  | de Ruyterstraat 11 3274LJ Heinenoord         | 0:00                    |                      |
| dR  | Opper Van Treurenstraat 56 3274ND Heinenoord | 7:58                    |                      |
| dS  | Opper Van Treurenstraat 58 3274ND Heinenoord | 7:14                    |                      |
| DS  | Doormanstraat 41 3274LK Heinenoord           | 0:00                    |                      |
| dT  | Opper Van Treurenstraat 60 3274ND Heinenoord | 6:57                    |                      |
| DT  | Mollekade 19 3274LN Heinenoord               | 0:02                    |                      |
| dU  | Opper Van Treurenstraat 62 3274ND Heinenoord | 6:41                    |                      |
| DU  | Trompstraat 6 3274LT Heinenoord              | 0:00                    |                      |
| dV  | Opper Van Treurenstraat 64 3274ND Heinenoord | 6:23                    |                      |
| DV  | Trompstraat 24 3274LT Heinenoord             | 0:00                    |                      |
| DW  | Gorzenweg 3 3274LL Heinenoord                | 0:00                    |                      |
| dW  | Opper Van Treurenstraat 66 3274ND Heinenoord | 6:09                    |                      |
| DX  | Doormanstraat 16 3274LK Heinenoord           | 0:00                    |                      |
| dX  | Opper Van Treurenstraat 68 3274ND Heinenoord | 5:51                    |                      |
| DY  | van Galenstraat 26 3274LV Heinenoord         | 0:00                    |                      |
| dY  | Opper Van Treurenstraat 1 3274ND Heinenoord  | 5:40                    |                      |
| dZ  | Opper Van Treurenstraat 3 3274ND Heinenoord  | 5:44                    |                      |
| DZ  | van Galenstraat 5 3274LV Heinenoord          | 0:00                    |                      |
| E   | Blaaksedijk West 22 3274LE Heinenoord        | 0:00                    |                      |
| •E  | Achterzeedijk 1 a 31 2991SB Barendrecht      | 3:03                    |                      |
| eA  | Opper Van Treurenstraat 5 3274ND Heinenoord  | 5:50                    |                      |
| EA  | van Galenstraat 10 3274LV Heinenoord         | 0:00                    |                      |
| eB  | Opper Van Treurenstraat 7 3274ND Heinenoord  | 5:53                    |                      |
| EB  | van Galenstraat 15 3274LV Heinenoord         | 0:00                    |                      |
| EC  | Piet Heinstraat 4 3274LR Heinenoord          | 0:00                    |                      |
| eC  | Opper Van Treurenstraat 9 3274ND Heinenoord  | 5:59                    |                      |
| ED  | van Galenstraat 18 3274LV Heinenoord         | 0:00                    |                      |
| eD  | Opper Van Treurenstraat 11 3274ND Heinenoord | 6:05                    |                      |
| eE  | Opper Van Treurenstraat 13 3274ND Heinenoord | 6:13                    |                      |
| EE  | de Ruyterstraat 7 3274LJ Heinenoord          | 0:00                    |                      |
| eF  | Opper Van Treurenstraat 15 3274ND Heinenoord | 6:17                    |                      |
| EF  | Mollekade 26 3274LP Heinenoord               | 0:02                    |                      |
| eG  | Opper Van Treurenstraat 17 3274ND Heinenoord | 7:26                    |                      |
| EG  | de Ruyterstraat 12 3274LJ Heinenoord         | 0:00                    |                      |
| eH  | Opper Van Treurenstraat 19 3274ND Heinenoord | 7:39                    |                      |
| EH  | van Galenstraat 6 3274LV Heinenoord          | 0:00                    |                      |
| eI  | Opper Van Treurenstraat 21 3274ND Heinenoord | 7:44                    |                      |
| EI  | Doormanstraat 20 3274LK Heinenoord           | 0:00                    |                      |
| EJ  | Piet Heinstraat 7 3274LR Heinenoord          | 0:00                    |                      |
| eJ  | Opper Van Treurenstraat 23 3274ND Heinenoord | 7:48                    |                      |
| EK  | Nijverheidsweg 9 3274KJ Heinenoord           | 0:00                    |                      |
| eK  | Opper Van Treurenstraat 25 3274ND Heinenoord | 7:49                    |                      |
| eL  | Opper Van Treurenstraat 27 3274ND Heinenoord | 7:51                    |                      |
| EL  | Doormanstraat 23 3274LK Heinenoord           | 0:00                    |                      |
| eM  | Engel de Raatpad 2 3274NC Heinenoord         | 6:23                    |                      |
| EM  | Doormanstraat 43 3274LK Heinenoord           | 0:00                    |                      |
| EN  | Trompstraat 8 3274LT Heinenoord              | 0:00                    |                      |
| eN  | Engel de Raatpad 4 3274NC Heinenoord         | 6:33                    |                      |
| EO  | Trompstraat 4 3274LT Heinenoord              | 0:00                    |                      |
| eO  | Engel de Raatpad 6 3274NC Heinenoord         | 6:42                    |                      |
| EP  | Piet Heinstraat 5 3274LR Heinenoord          | 0:00                    |                      |
| eP  | Engel de Raatpad 8 3274NC Heinenoord         | 6:41                    |                      |
| eQ  | Engel de Raatpad 10 3274NC Heinenoord        | 6:44                    |                      |
| EQ  | van Galenstraat 13 3274LV Heinenoord         | 0:00                    |                      |
| eR  | Engel de Raatpad 12 3274NC Heinenoord        | 6:42                    |                      |
| ER  | Mollekade 12 3274LP Heinenoord               | 0:00                    |                      |
| eS  | Engel de Raatpad 14 3274NC Heinenoord        | 6:33                    |                      |
| ES  | van Galenstraat 22 3274LV Heinenoord         | 0:00                    |                      |
| ET  | Doormanstraat 29 3274LK Heinenoord           | 0:00                    |                      |
| eT  | Jan van Vlietstraat 1 3274NE Heinenoord      | 8:01                    |                      |
| eU  | Jan van Vlietstraat 3 3274NE Heinenoord      | 8:41                    |                      |
| EU  | Doormanstraat 17 3274LK Heinenoord           | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

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| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| eV  | Jan van Vlietstraat 5 3274NE Heinenoord     | 9:07                                 |
| EV  | Doormanstraat 10 3274LK Heinenoord          | 0:00                                 |
| eW  | Jan van Vlietstraat 7 3274NE Heinenoord     | 9:24                                 |
| EW  | Doormanstraat 14 3274LK Heinenoord          | 0:00                                 |
| EX  | Trompstraat 18 3274LT Heinenoord            | 0:00                                 |
| eX  | Jan van Vlietstraat 9 3274NE Heinenoord     | 9:22                                 |
| EY  | van Galenstraat 8 3274LV Heinenoord         | 0:00                                 |
| eY  | Jan van Vlietstraat 19 3274NE Heinenoord    | 6:35                                 |
| eZ  | Jan van Vlietstraat 21 3274NE Heinenoord    | 6:20                                 |
| EZ  | de Ruyterstraat 5 3274LJ Heinenoord         | 0:00                                 |
| F   | Blaaksedijk West 55 3274LD Heinenoord       | 0:00                                 |
| •F  | Achterzeedijk 1 a 32 2991SB Barendrecht     | 3:06                                 |
| FA  | Trompstraat 26 3274LT Heinenoord            | 0:00                                 |
| fA  | Jan van Vlietstraat 23 3274NE Heinenoord    | 6:02                                 |
| FB  | van Galenstraat 24 3274LV Heinenoord        | 0:00                                 |
| fb  | Jan van Vlietstraat 25 3274NE Heinenoord    | 5:47                                 |
| FC  | van Galenstraat 3 3274LV Heinenoord         | 0:00                                 |
| fC  | Jan van Vlietstraat 27 3274NE Heinenoord    | 5:29                                 |
| fD  | Jan van Vlietstraat 29 3274NE Heinenoord    | 5:13                                 |
| FD  | Piet Heinstraat 6 3274LR Heinenoord         | 0:00                                 |
| FE  | Wouter van den Walestr 11 3274CR Heinenoord | 1:22                                 |
| FE  | de Ruyterstraat 13 3274LJ Heinenoord        | 0:00                                 |
| FF  | Mollekade 7 A 3274LN Heinenoord             | 0:00                                 |
| ff  | Wouter van den Walestr 13 3274CR Heinenoord | 1:23                                 |
| fG  | Wouter van den Walestr 15 3274CR Heinenoord | 1:22                                 |
| FG  | Blaaksedijk West 16 3274LE Heinenoord       | 0:00                                 |
| fH  | Wouter van den Walestr 17 3274CR Heinenoord | 1:23                                 |
| FH  | Oosteinde 5 3274KB Heinenoord               | 4:03                                 |
| fl  | Wouter van den Walestr 19 3274CR Heinenoord | 1:22                                 |
| FI  | Oosteinde 11 3274KB Heinenoord              | 4:04                                 |
| FJ  | Oosteinde 1 3274KB Heinenoord               | 2:05                                 |
| fj  | Wouter van den Walestr 21 3274CR Heinenoord | 1:23                                 |
| FK  | Oosteinde 3 3274KB Heinenoord               | 3:51                                 |
| fK  | Wouter van den Walestr 23 3274CR Heinenoord | 1:22                                 |
| FL  | Oud-Heinenoordseweg 9 3274KD Heinenoord     | 2:01                                 |
| fl  | Wouter van den Walestr 25 3274CR Heinenoord | 1:24                                 |
| fM  | Wouter van den Walestr 27 3274CR Heinenoord | 1:22                                 |
| FM  | Oud-Heinenoordseweg 3 3274KD Heinenoord     | 3:48                                 |
| FN  | Oosteinde 13 3274KB Heinenoord              | 3:33                                 |
| fn  | Wouter van den Walestr 29 3274CR Heinenoord | 1:24                                 |
| fO  | Wouter van den Walestr 31 3274CR Heinenoord | 1:23                                 |
| FO  | Oosteinde 7 3274KB Heinenoord               | 4:26                                 |
| fP  | Wouter van den Walestr 33 3274CR Heinenoord | 1:25                                 |
| FP  | Oosteinde 27 3274KB Heinenoord              | 2:12                                 |
| fQ  | Wouter van den Walestr 35 3274CR Heinenoord | 1:23                                 |
| FQ  | Oud-Heinenoordseweg 8 3274KD Heinenoord     | 1:09                                 |
| FR  | Oosteinde 25 3274KB Heinenoord              | 1:57                                 |
| fr  | Wouter van den Walestr 37 3274CR Heinenoord | 1:25                                 |
| FS  | Oud-Heinenoordseweg 10 3274KD Heinenoord    | 0:04                                 |
| fS  | Wouter van den Walestr 39 3274CR Heinenoord | 1:24                                 |
| FT  | Wouter van den Walestr 41 3274CR Heinenoord | 1:25                                 |
| FT  | Oud-Heinenoordseweg 7 3274KD Heinenoord     | 2:40                                 |
| fU  | Wouter van den Walestr 43 3274CR Heinenoord | 1:25                                 |
| FU  | Oud-Heinenoordseweg 1 3274KD Heinenoord     | 4:18                                 |
| fV  | Wouter van den Walestr 45 3274CR Heinenoord | 1:25                                 |
| FV  | Oosteinde 19 3274KB Heinenoord              | 2:05                                 |
| FW  | Wouter van den Walestr 47 3274CR Heinenoord | 1:25                                 |
| FW  | Oud-Heinenoordseweg 5 3274KD Heinenoord     | 3:09                                 |
| fX  | Dorpsstraat 8 3274BD Heinenoord             | 1:31                                 |
| FX  | Oud-Heinenoordseweg 21 3274KD Heinenoord    | 1:04                                 |
| FY  | Oud-Heinenoordseweg 13 3274KD Heinenoord    | 1:08                                 |
| fY  | Jan van Vlietstraat 11 3274NE Heinenoord    | 9:15                                 |
| FZ  | Oosteinde 17 3274KB Heinenoord              | 2:37                                 |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| fZ  | Jan van Vlietstraat 11 A 3274NE Heinenoord   | 9:08                    |                      |
| G   | Blaaksedijk West 45 3274LD Heinenoord        | 0:00                    |                      |
| •G  | Achterzeedijk 1 a 33 2991SB Barendrecht      | 3:24                    |                      |
| GA  | Oud-Heinenoordseweg 6 3274KD Heinenoord      | 0:56                    |                      |
| gA  | Jan van Vlietstraat 13 3274NE Heinenoord     | 9:05                    |                      |
| gB  | Jan van Vlietstraat 13 A 3274NE Heinenoord   | 9:01                    |                      |
| GB  | Oosteinde 21 3274KB Heinenoord               | 1:55                    |                      |
| GC  | Oosteinde 9 3274KB Heinenoord                | 4:34                    |                      |
| gC  | Jan van Vlietstraat 15 3274NE Heinenoord     | 8:53                    |                      |
| GD  | Oud-Heinenoordseweg 11 A 3274KD Heinenoord   | 1:31                    |                      |
| gD  | Jan van Vlietstraat 15 A 3274NE Heinenoord   | 8:45                    |                      |
| GE  | Oosteinde 31 3274KB Heinenoord               | 3:03                    |                      |
| gE  | Jan van Vlietstraat 17 3274NE Heinenoord     | 8:34                    |                      |
| gF  | Jan van Vlietstraat 17 A 3274NE Heinenoord   | 8:24                    |                      |
| GF  | Oud-Heinenoordseweg 25 3274KD Heinenoord     | 0:00                    |                      |
| GG  | Oosteinde 15 3274KB Heinenoord               | 3:02                    |                      |
| gG  | Arie Jongekrijgstraat 7 3274NB Heinenoord    | 5:03                    |                      |
| gH  | Arie Jongekrijgstraat 9 3274NB Heinenoord    | 5:08                    |                      |
| GH  | Oud-Heinenoordseweg 15 3274KD Heinenoord     | 1:00                    |                      |
| gI  | Arie Jongekrijgstraat 11 3274NB Heinenoord   | 5:14                    |                      |
| GI  | Oud-Heinenoordseweg 19 3274KD Heinenoord     | 0:57                    |                      |
| GJ  | Oosteinde 2 3274KC Heinenoord                | 4:36                    |                      |
| gJ  | Arie Jongekrijgstraat 11 A 3274NB Heinenoord | 5:24                    |                      |
| gK  | Blaaksedijk West 38 3274LE Heinenoord        | 0:17                    |                      |
| GK  | Oosteinde 1 A 3274KB Heinenoord              | 2:49                    |                      |
| GL  | Oud-Heinenoordseweg 4 3274KD Heinenoord      | 0:49                    |                      |
| gL  | Blaaksedijk West 36 3274LE Heinenoord        | 0:33                    |                      |
| GM  | Oosteinde 29 3274KB Heinenoord               | 2:35                    |                      |
| gM  | Zomerlandseweg 4 3274LX Heinenoord           | 0:38                    |                      |
| GN  | Oud-Heinenoordseweg 2 3274KD Heinenoord      | 4:06                    |                      |
| gN  | Zomerlandseweg 3 3274LX Heinenoord           | 2:13                    |                      |
| gO  | Zomerlandseweg 1 A 3274LX Heinenoord         | 1:09                    |                      |
| GO  | Oud-Heinenoordseweg 17 3274KD Heinenoord     | 0:55                    |                      |
| gP  | Koedood 17 a 2993AL Barendrecht              | 1:49                    |                      |
| GP  | Oud-Heinenoordseweg 23 3274KD Heinenoord     | 1:08                    |                      |
| gQ  | Koedood 17 2993AL Barendrecht                | 2:04                    |                      |
| GO  | Oosteinde 23 3274KB Heinenoord               | 1:50                    |                      |
| GR  | Wouter van den Walestr 8 3274CR Heinenoord   | 1:03                    |                      |
| gR  | Achterzeedijk 65 2992SB Barendrecht          | 5:31                    |                      |
| GS  | Heyne van Althenastraat 42 3274CD Heinenoord | 3:06                    |                      |
| gS  | Achterzeedijk 36 2992SC Barendrecht          | 4:59                    |                      |
| gT  | Achterzeedijk 75 2992SB Barendrecht          | 17:30                   |                      |
| GT  | Andries Woutershof 2 3274CA Heinenoord       | 1:50                    |                      |
| GU  | Willem de Zwijgerstraat 6 3274AL Heinenoord  | 0:28                    |                      |
| gU  | Achterzeedijk 61 a 2992SB Barendrecht        | 3:18                    |                      |
| gV  | Achterzeedijk 37 2992SB Barendrecht          | 5:54                    |                      |
| GV  | Avenhil 5 3274CT Heinenoord                  | 3:24                    |                      |
| gW  | Achterzeedijk 51 2992SB Barendrecht          | 3:19                    |                      |
| GW  | Andries Woutershof 14 3274CA Heinenoord      | 2:12                    |                      |
| GX  | Marijkestraat 13 3274AJ Heinenoord           | 0:56                    |                      |
| gX  | Achterzeedijk 62 2992SC Barendrecht          | 1:06                    |                      |
| GY  | Beatrixstraat 21 3274AA Heinenoord           | 0:33                    |                      |
| gY  | Achterzeedijk 69 2992SB Barendrecht          | 6:05                    |                      |
| gZ  | Achterzeedijk 45 2992SB Barendrecht          | 5:51                    |                      |
| GZ  | Avenhil 37 3274CT Heinenoord                 | 4:40                    |                      |
| H   | Reedijk 1 3274KE Heinenoord                  | 0:00                    |                      |
| •H  | Achterzeedijk 1 a 34 2991SB Barendrecht      | 3:23                    |                      |
| hA  | Achterzeedijk 63 2992SB Barendrecht          | 5:23                    |                      |
| HA  | Hermannushof 14 3274CE Heinenoord            | 2:48                    |                      |
| hb  | Achterzeedijk 67 2992SB Barendrecht          | 5:52                    |                      |
| HB  | Marijkestraat 25 3274AJ Heinenoord           | 1:05                    |                      |
| hc  | Achterzeedijk 38 2992SC Barendrecht          | 5:16                    |                      |
| HC  | Kalesland 3 3274CH Heinenoord                | 2:08                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

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| No.                         | Name                      | Shadow, expected values              |
|-----------------------------|---------------------------|--------------------------------------|
|                             |                           | Shadow hours<br>per year<br>[h/year] |
| hD Achterzeedijk            | 47 2992SB Barendrecht     | 4:12                                 |
| HD Prof. Teldersstraat      | 35 3274MC Heinenoord      | 6:15                                 |
| hE Achterzeedijk            | 39 2992SB Barendrecht     | 6:17                                 |
| HE Marijkestraat            | 11 3274AJ Heinenoord      | 0:55                                 |
| hF Achterzeedijk            | 41 2992SB Barendrecht     | 6:21                                 |
| HF John F. Kennedystraat    | 38 3274CG Heinenoord      | 5:56                                 |
| hG Achterzeedijk            | 64 2992SC Barendrecht     | 0:48                                 |
| HG Oranjestraat             | 16 3274AK Heinenoord      | 0:29                                 |
| hH Achterzeedijk            | 71 2992SB Barendrecht     | 16:39                                |
| HH Boerengorzen             | 10 3274CV Heinenoord      | 4:57                                 |
| hI Achterzeedijk            | 59 2992SB Barendrecht     | 3:00                                 |
| HI Kalesland                | 78 3274CH Heinenoord      | 2:42                                 |
| HJ Margrietstraat           | 18 3274AH Heinenoord      | 1:02                                 |
| hJ Achterzeedijk            | 42 2992SC Barendrecht     | 3:53                                 |
| HK Martin Luther Kingstraat | 60 3274CL Heinenoord      | 2:40                                 |
| hK Achterzeedijk            | 49 2992SB Barendrecht     | 3:59                                 |
| hL Achterzeedijk            | 48 2992SC Barendrecht     | 1:53                                 |
| HL Talmahof                 | 7 3274CN Heinenoord       | 1:33                                 |
| hM Achterzeedijk            | 60 2992SC Barendrecht     | 1:31                                 |
| HM Kalesland                | 56 3274CH Heinenoord      | 2:39                                 |
| hN Achterzeedijk            | 58 2992SC Barendrecht     | 4:18                                 |
| HN Emmastraat               | 22 3274AC Heinenoord      | 0:51                                 |
| hO Achterzeedijk            | 61 2992SB Barendrecht     | 3:03                                 |
| HO John F. Kennedystraat    | 18 3274CG Heinenoord      | 4:17                                 |
| hP Achterzeedijk            | 40 2992SC Barendrecht     | 5:03                                 |
| HP Martin Luther Kingstraat | 32 3274CK Heinenoord      | 1:44                                 |
| HQ Dreeshof                 | 1 3274CC Heinenoord       | 2:07                                 |
| hQ Achterzeedijk            | 61 b 2992SB Barendrecht   | 3:23                                 |
| HR Buitenlanden             | 8 3274MB Heinenoord       | 9:42                                 |
| hr Achterzeedijk            | 56 2992SC Barendrecht     | 2:14                                 |
| HS Heyne van Althenastraat  | 14 3274CD Heinenoord      | 1:38                                 |
| hS Achterzeedijk            | 73 2992SB Barendrecht     | 17:04                                |
| HT Prof. Teldersstraat      | 11 3274CZ Heinenoord      | 5:13                                 |
| hT Achterzeedijk            | 50 2992SC Barendrecht     | 1:59                                 |
| hU Gorzenweg                | 10 3274LL Heinenoord      | 0:20                                 |
| HU Prof. Teldersstraat      | 16 3274MC Heinenoord      | 6:10                                 |
| HV John F. Kennedystraat    | 41 3274CG Heinenoord      | 2:05                                 |
| hV Gorzenweg                | 8 3274LL Heinenoord       | 0:28                                 |
| hW Mollekade                | 31 3274LN Heinenoord      | 0:14                                 |
| HW Rietwaard                | 17 3274MA Heinenoord      | 9:04                                 |
| hX Mollekade                | 32 3274LP Heinenoord      | 2:13                                 |
| HX Koomansland              | 26 3274CJ Heinenoord      | 1:26                                 |
| hY Boonsweg                 | 44 3274LH Heinenoord      | 20:20                                |
| HY Wouter van den Walestr   | 32 3274CR Heinenoord      | 1:03                                 |
| HZ Avenhil                  | 14 3274CT Heinenoord      | 3:37                                 |
| hZ Gorzenweg                | 6 A 3274LL Heinenoord     | 1:49                                 |
| I Reedijk                   | 1 A 3274KE Heinenoord     | 0:00                                 |
| •I Achterzeedijk            | 1 a 35 2991SB Barendrecht | 3:26                                 |
| IA Avenhil                  | 3 3274CT Heinenoord       | 3:27                                 |
| iA Zomerlandseweg           | 9 3274LX Heinenoord       | 0:01                                 |
| IB John F. Kennedystraat    | 40 3274CG Heinenoord      | 5:54                                 |
| IB Mollekade                | 29 3274LN Heinenoord      | 0:14                                 |
| IC Mollekade                | 28 3274LP Heinenoord      | 0:24                                 |
| IC Wouter van den Walestr   | 72 3274CS Heinenoord      | 1:12                                 |
| ID Dreeshof                 | 9 3274CC Heinenoord       | 2:07                                 |
| ID Mollekade                | 39 3274LN Heinenoord      | 0:19                                 |
| IE Thorbeckehof             | 1 3274CP Heinenoord       | 2:49                                 |
| iE Mollekade                | 41 3274LN Heinenoord      | 0:21                                 |
| IF Spuivelden               | 25 3274CM Heinenoord      | 2:49                                 |
| IF Mollekade                | 47 3274LN Heinenoord      | 4:07                                 |
| iG Mollekade                | 45 3274LN Heinenoord      | 1:08                                 |
| IG Wiardi Beckmanhof        | 8 3274CX Heinenoord       | 3:16                                 |
| IH Talmahof                 | 4 3274CN Heinenoord       | 1:52                                 |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| iH  | Gorzenweg 4 A 3274LL Heinenoord               | 1:17                    |                      |
| II  | John F. Kennedystraat 4 3274CG Heinenoord     | 3:25                    |                      |
| iI  | Mollekade 43 3274LN Heinenoord                | 0:31                    |                      |
| IJ  | Abraham Kuyperhof 8 3274CW Heinenoord         | 4:10                    |                      |
| iJ  | Gorzenweg 6 3274LL Heinenoord                 | 2:02                    |                      |
| IK  | De Laagjes 12 3274CB Heinenoord               | 1:49                    |                      |
| IK  | Mollekade 35 3274LN Heinenoord                | 0:16                    |                      |
| iL  | Gorzenweg 4 3274LL Heinenoord                 | 0:00                    |                      |
| IL  | Talmahof 11 3274CN Heinenoord                 | 1:33                    |                      |
| IM  | John F. Kennedystraat 59 3274CG Heinenoord    | 2:47                    |                      |
| iM  | Gorzenweg 6 F 3274LL Heinenoord               | 1:00                    |                      |
| IN  | Prof. Teldersstraat 24 3274MC Heinenoord      | 6:35                    |                      |
| iN  | Gorzenweg 11 3274LL Heinenoord                | 2:20                    |                      |
| IO  | Martin Luther Kingstraat 52 3274CL Heinenoord | 2:23                    |                      |
| iO  | Van Hobokenhaven 41 2993HH Barendrecht        | 0:00                    |                      |
| IP  | Koimansland 32 3274CJ Heinenoord              | 1:36                    |                      |
| iP  | Stekkant 40 2993DB Barendrecht                | 0:00                    |                      |
| IQ  | Boerengorzen 1 3274CV Heinenoord              | 5:41                    |                      |
| iQ  | Stekkant 33 2993DB Barendrecht                | 0:00                    |                      |
| IR  | Spieringwater 12 2993DM Barendrecht           | 0:00                    |                      |
| IR  | Kalesland 52 3274CH Heinenoord                | 2:33                    |                      |
| iS  | Koedood 6 a 2993AL Barendrecht                | 0:27                    |                      |
| IS  | Andries Woutershof 20 3274CA Heinenoord       | 2:13                    |                      |
| IT  | Avenhil 15 3274CT Heinenoord                  | 3:34                    |                      |
| iT  | Stekkant 107 2993DB Barendrecht               | 0:00                    |                      |
| iU  | Van Hobokenhaven 25 2993HH Barendrecht        | 0:00                    |                      |
| IU  | Wiardi Beckmanhof 5 3274CX Heinenoord         | 3:22                    |                      |
| IV  | Swarttouwhaven 8 2993HP Barendrecht           | 0:00                    |                      |
| IV  | Kalesland 19 3274CH Heinenoord                | 2:23                    |                      |
| IW  | Stekkant 2 2993DB Barendrecht                 | 0:00                    |                      |
| IW  | Beatrixstraat 38 3274AA Heinenoord            | 0:35                    |                      |
| IX  | Müllerhaven 32 2993EA Barendrecht             | 0:00                    |                      |
| IX  | Martin Luther Kingstraat 30 3274CK Heinenoord | 1:46                    |                      |
| IY  | Oranjestraat 11 B 3274AK Heinenoord           | 0:29                    |                      |
| iY  | Calandhaven 3 2993HL Barendrecht              | 0:00                    |                      |
| IZ  | Stekkant 87 2993DB Barendrecht                | 0:00                    |                      |
| IZ  | Spuivelden 17 3274CM Heinenoord               | 2:45                    |                      |
| J   | Blaaksedijk West 53 3274LD Heinenoord         | 0:00                    |                      |
| •J  | Achterzeedijk 1 a 36 2991SB Barendrecht       | 3:25                    |                      |
| JA  | John F. Kennedystraat 39 3274CG Heinenoord    | 2:03                    |                      |
| jA  | Meeshaven 5 2993HN Barendrecht                | 0:00                    |                      |
| JB  | Prof. Teldersstraat 41 3274MC Heinenoord      | 6:42                    |                      |
| jb  | Smithaven 4 2993EC Barendrecht                | 0:00                    |                      |
| JC  | Müllerhaven 54 2993EA Barendrecht             | 0:00                    |                      |
| JC  | Emmastraat 11 3274AC Heinenoord               | 0:43                    |                      |
| JD  | Stekkant 13 2993DB Barendrecht                | 0:00                    |                      |
| JD  | John F. Kennedystraat 2 3274CG Heinenoord     | 3:20                    |                      |
| JE  | Wouter van den Walestr 48 3274CS Heinenoord   | 1:11                    |                      |
| JE  | Kröllerhaven 12 2993ED Barendrecht            | 0:00                    |                      |
| JF  | Avenhil 9 3274CT Heinenoord                   | 3:08                    |                      |
| jF  | Stekkant 51 2993DB Barendrecht                | 0:00                    |                      |
| JG  | De Laagjes 23 3274CB Heinenoord               | 2:02                    |                      |
| JG  | Zalmwater 143 2993DX Barendrecht              | 0:00                    |                      |
| JH  | Bernhardstraat 1 B 3274AB Heinenoord          | 0:32                    |                      |
| JH  | Van Hobokenhaven 43 2993HH Barendrecht        | 0:00                    |                      |
| ji  | Müllerhaven 70 2993EA Barendrecht             | 0:00                    |                      |
| Ji  | Rietwaard 20 3274MA Heinenoord                | 10:09                   |                      |
| Jj  | Stekkant 89 2993DB Barendrecht                | 0:00                    |                      |
| JJ  | Emmastraat 7 3274AC Heinenoord                | 0:40                    |                      |
| JK  | Müllerhaven 36 2993EA Barendrecht             | 0:00                    |                      |
| JK  | Prof. Teldersstraat 14 3274MC Heinenoord      | 6:14                    |                      |
| JL  | John F. Kennedystraat 47 3274CG Heinenoord    | 2:13                    |                      |
| JL  | Stekkant 73 2993DB Barendrecht                | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

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| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| JM  | John F. Kennedystraat 3 3274CG Heinenoord     | 1:23                    |                      |
| JM  | Aalwater 20 2993DD Barendrecht                | 0:00                    |                      |
| jN  | Stekkant 111 2993DB Barendrecht               | 0:00                    |                      |
| JN  | John F. Kennedystraat 77 3274CG Heinenoord    | 5:10                    |                      |
| JO  | Smithaven 6 2993EC Barendrecht                | 0:00                    |                      |
| JO  | Oosteinde 45 3274KB Heinenoord                | 4:59                    |                      |
| JP  | Müllerhaven 52 2993EA Barendrecht             | 0:00                    |                      |
| JP  | Wouter van den Walestr 70 3274CS Heinenoord   | 1:13                    |                      |
| JQ  | Irenestraat 30 3274AE Heinenoord              | 0:52                    |                      |
| JQ  | Smithaven 35 2993EC Barendrecht               | 0:00                    |                      |
| JR  | John F. Kennedystraat 23 3274CG Heinenoord    | 1:34                    |                      |
| JR  | Müllerhaven 6 2993EA Barendrecht              | 0:00                    |                      |
| JS  | Stekkant 127 2993DB Barendrecht               | 0:00                    |                      |
| JS  | Kalesland 32 3274CH Heinenoord                | 2:15                    |                      |
| jT  | Van Hobokenhoven 61 2993HH Barendrecht        | 0:00                    |                      |
| JT  | Talmahof 2 3274CN Heinenoord                  | 1:53                    |                      |
| jU  | Smithaven 18 2993EC Barendrecht               | 0:00                    |                      |
| JU  | Emmastraat 2 G 3274AC Heinenoord              | 0:34                    |                      |
| jV  | Swarttouwhaven 52 2993HP Barendrecht          | 0:00                    |                      |
| JV  | John F. Kennedystraat 93 3274CG Heinenoord    | 7:32                    |                      |
| jW  | Kabbelkant 6 2993DC Barendrecht               | 0:00                    |                      |
| JW  | Heyne van Althenastraat 28 3274CD Heinenoord  | 2:22                    |                      |
| jX  | Meeshaven 7 2993HN Barendrecht                | 0:00                    |                      |
| JX  | Margrietstraat 22 3274AH Heinenoord           | 1:02                    |                      |
| JY  | Heyne van Althenastraat 32 3274CD Heinenoord  | 2:28                    |                      |
| jY  | Müllerhaven 44 2993EA Barendrecht             | 0:00                    |                      |
| JZ  | Margrietstraat 17 3274AH Heinenoord           | 0:53                    |                      |
| JZ  | Ruyshaven 3 2993HM Barendrecht                | 0:00                    |                      |
| K   | Blaaksedijk West 51 3274LD Heinenoord         | 0:00                    |                      |
| •K  | Achterzeedijk 1 a 37 2991SB Barendrecht       | 3:36                    |                      |
| KA  | Swarttouwhaven 42 2993HP Barendrecht          | 0:00                    |                      |
| KA  | Talmahof 8 3274CN Heinenoord                  | 1:53                    |                      |
| KB  | Swarttouwhaven 32 2993HP Barendrecht          | 0:00                    |                      |
| KB  | Irenestraat 28 3274AE Heinenoord              | 0:52                    |                      |
| KC  | Martin Luther Kingstraat 36 3274CL Heinenoord | 1:56                    |                      |
| KC  | Swarttouwhaven 46 2993HP Barendrecht          | 0:00                    |                      |
| KD  | Van Hobokenhoven 27 2993HH Barendrecht        | 0:00                    |                      |
| KD  | Marijkestraat 6 3274AJ Heinenoord             | 0:42                    |                      |
| KE  | Dreeshof 3 3274CC Heinenoord                  | 2:05                    |                      |
| KE  | Kröllerhaven 29 2993ED Barendrecht            | 0:00                    |                      |
| KF  | Ruyshaven 5 2993HM Barendrecht                | 0:00                    |                      |
| KF  | John F. Kennedystraat 9 3274CG Heinenoord     | 1:23                    |                      |
| KG  | Stekkant 147 2993DB Barendrecht               | 0:00                    |                      |
| KG  | Emmastraat 30 3274AC Heinenoord               | 0:36                    |                      |
| KH  | Wouter van den Walestr 36 3274CS Heinenoord   | 1:08                    |                      |
| KH  | Van Hobokenhoven 59 2993HH Barendrecht        | 0:00                    |                      |
| KI  | Aalwater 4 2993DD Barendrecht                 | 0:00                    |                      |
| KI  | Emmastraat 32 3274AC Heinenoord               | 0:35                    |                      |
| KJ  | Margrietstraat 11 3274AH Heinenoord           | 0:52                    |                      |
| KJ  | Vederhaven 7 2993EB Barendrecht               | 0:00                    |                      |
| KK  | De Laagjes 21 3274CB Heinenoord               | 2:00                    |                      |
| KK  | Aalwater 19 2993DD Barendrecht                | 0:00                    |                      |
| KL  | Steurwater 13 2993DE Barendrecht              | 0:00                    |                      |
| KL  | Buitenlanden 1 3274MB Heinenoord              | 9:01                    |                      |
| KM  | Irenestraat 3 3274AD Heinenoord               | 0:41                    |                      |
| KM  | Vederhaven 3 2993EB Barendrecht               | 0:00                    |                      |
| KN  | Van Hobokenhoven 39 2993HH Barendrecht        | 0:00                    |                      |
| KN  | Irenestraat 36 3274AE Heinenoord              | 0:49                    |                      |
| KO  | Emmastraat 20 3274AC Heinenoord               | 0:51                    |                      |
| KO  | Müllerhaven 8 2993EA Barendrecht              | 0:00                    |                      |
| KP  | Stekkant 129 2993DB Barendrecht               | 0:00                    |                      |
| KP  | Oosteinde 41 3274KB Heinenoord                | 5:21                    |                      |
| KQ  | Stekkant 149 2993DB Barendrecht               | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| KQ  | John F. Kennedystraat 35 3274CG Heinenoord     | 2:00                    |                      |
| KR  | Avenhil 30 3274CT Heinenoord                   | 4:33                    |                      |
| KR  | Smithaven 59 2993EC Barendrecht                | 0:00                    |                      |
| KS  | Ruyshaven 4 2993HM Barendrecht                 | 0:00                    |                      |
| KS  | John F. Kennedystraat 55 3274CG Heinenoord     | 2:41                    |                      |
| KT  | Martin Luther Kingstraat 34 3274CL Heinenoord  | 1:54                    |                      |
| KT  | Swarttouwhaven 10 2993HP Barendrecht           | 0:00                    |                      |
| KU  | Stekkant 109 2993DB Barendrecht                | 0:00                    |                      |
| KU  | Koimansland 6 3274CJ Heinenoord                | 1:27                    |                      |
| KV  | Boerengorzen 8 3274CV Heinenoord               | 4:55                    |                      |
| KV  | Müllerhaven 42 2993EA Barendrecht              | 0:00                    |                      |
| kW  | Müllerhaven 48 2993EA Barendrecht              | 0:00                    |                      |
| KW  | Margrietstraat 20 3274AH Heinenoord            | 1:02                    |                      |
| KX  | Dorpsstraat 1 A 3274BB Heinenoord              | 4:12                    |                      |
| KX  | Kröllerhaven 53 2993ED Barendrecht             | 0:00                    |                      |
| KY  | Stekkant 57 2993DB Barendrecht                 | 0:00                    |                      |
| KY  | John F. Kennedystraat 5 3274CG Heinenoord      | 1:22                    |                      |
| KZ  | Kalesland 72 3274CH Heinenoord                 | 2:51                    |                      |
| KZ  | Kröllerhaven 23 2993ED Barendrecht             | 0:00                    |                      |
| L   | Reedijk 2 3274KE Heinenoord                    | 0:06                    |                      |
| •L  | Achterzeedijk 1 a 38 2991SB Barendrecht        | 3:44                    |                      |
| LA  | John F. Kennedystraat 67 3274CG Heinenoord     | 3:54                    |                      |
| IA  | Ruyshaven 8 2993HM Barendrecht                 | 0:00                    |                      |
| LB  | Wouter van den Walestraat 28 3274CR Heinenoord | 1:01                    |                      |
| IB  | Swarttouwhaven 44 2993HP Barendrecht           | 0:00                    |                      |
| IC  | Müllerhaven 56 2993EA Barendrecht              | 0:00                    |                      |
| LC  | Dreeshof 11 3274CC Heinenoord                  | 2:06                    |                      |
| LD  | John F. Kennedystraat 22 3274CG Heinenoord     | 4:25                    |                      |
| ID  | Stekkant 22 2993DB Barendrecht                 | 0:00                    |                      |
| LE  | Kalesland 18 3274CH Heinenoord                 | 1:59                    |                      |
| IE  | Meeshaven 2 2993HN Barendrecht                 | 0:00                    |                      |
| IF  | Aalwater 14 2993DD Barendrecht                 | 0:00                    |                      |
| LF  | Koimansland 18 3274CJ Heinenoord               | 1:18                    |                      |
| IG  | Stekkant 55 2993DB Barendrecht                 | 0:00                    |                      |
| LG  | Boerengorzen 4 3274CV Heinenoord               | 4:56                    |                      |
| LH  | Julianastraat 40 3274AG Heinenoord             | 0:28                    |                      |
| IH  | Stekkant 77 2993DB Barendrecht                 | 0:00                    |                      |
| II  | Stekkant 115 2993DB Barendrecht                | 0:00                    |                      |
| LI  | John F. Kennedystraat 13 3274CG Heinenoord     | 1:24                    |                      |
| IJ  | Kröllerhaven 37 2993ED Barendrecht             | 0:00                    |                      |
| LJ  | Rietwaard 24 3274MA Heinenoord                 | 11:56                   |                      |
| IK  | Kröllerhaven 39 2993ED Barendrecht             | 0:00                    |                      |
| LK  | Heyne van Althenastraat 30 3274CD Heinenoord   | 2:27                    |                      |
| LL  | Kalesland 7 3274CH Heinenoord                  | 2:07                    |                      |
| IL  | Swarttouwhaven 30 2993HP Barendrecht           | 0:00                    |                      |
| LM  | Julianastraat 46 3274AG Heinenoord             | 0:29                    |                      |
| IM  | Stekkant 19 2993DB Barendrecht                 | 0:00                    |                      |
| LN  | Marikkestraat 1 B 3274AJ Heinenoord            | 0:41                    |                      |
| IN  | Stekkant 12 2993DB Barendrecht                 | 0:00                    |                      |
| IO  | Müllerhaven 24 2993EA Barendrecht              | 0:00                    |                      |
| LO  | Irenestraat 10 3274AE Heinenoord               | 0:45                    |                      |
| IP  | Spieringwater 8 2993DM Barendrecht             | 0:00                    |                      |
| LP  | Wiardi Beckmanhof 7 3274CX Heinenoord          | 3:21                    |                      |
| IQ  | Kröllerhaven 51 2993ED Barendrecht             | 0:00                    |                      |
| LQ  | Spuivelden 8 3274CM Heinenoord                 | 2:52                    |                      |
| LR  | Prof. Teldersstraat 37 3274MC Heinenoord       | 6:16                    |                      |
| IR  | Kabbelkant 2 2993DC Barendrecht                | 0:00                    |                      |
| IS  | Stekkant 10 2993DB Barendrecht                 | 0:00                    |                      |
| LS  | Beatrixstraat 34 3274AA Heinenoord             | 0:36                    |                      |
| LT  | Marijkestraat 2 3274AJ Heinenoord              | 0:40                    |                      |
| IT  | Swarttouwhaven 20 2993HP Barendrecht           | 0:00                    |                      |
| LU  | Martin Luther Kingstraat 14 3274CK Heinenoord  | 1:28                    |                      |
| IU  | Kabbelkant 8 2993DC Barendrecht                | 0:00                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                           | Name               | Shadow, expected values |                      |
|-------------------------------|--------------------|-------------------------|----------------------|
|                               |                    | Shadow hours            | per year<br>[h/year] |
| IV Koedood 8                  | 2993AL Barendrecht | 0:24                    |                      |
| LV Rietwaard 5                | 3274MA Heinenoord  | 7:05                    |                      |
| LW Heyne van Althenastraat 8  | 3274CD Heinenoord  | 1:40                    |                      |
| IW Kröllerhaven 41            | 2993ED Barendrecht | 0:00                    |                      |
| LX Rietwaard 6                | 3274MA Heinenoord  | 6:20                    |                      |
| IX Steekkant 63               | 2993DB Barendrecht | 0:00                    |                      |
| LY John F. Kennedystraat 83   | 3274CG Heinenoord  | 5:28                    |                      |
| IY Steekkant 101              | 2993DB Barendrecht | 0:00                    |                      |
| LZ Avenhil 36                 | 3274CT Heinenoord  | 4:36                    |                      |
| IZ Steekkant 1                | 2993DB Barendrecht | 0:00                    |                      |
| M Reedijk 3                   | 3274KE Heinenoord  | 0:00                    |                      |
| •M Achterzeedijk 1 a 39       | 2991SB Barendrecht | 3:51                    |                      |
| MA Irenestraat 26             | 3274AE Heinenoord  | 0:51                    |                      |
| mA Müllerhaven 58             | 2993EA Barendrecht | 0:00                    |                      |
| mb Steekkant 15               | 2993DB Barendrecht | 0:00                    |                      |
| MB Prof. Teldersstraat 3      | 3274CZ Heinenoord  | 5:20                    |                      |
| mC Müllerhaven 12             | 2993EA Barendrecht | 0:00                    |                      |
| MC Oranjestraat 26            | 3274AK Heinenoord  | 0:35                    |                      |
| mD Steekkant 133              | 2993DB Barendrecht | 0:00                    |                      |
| MD Avenhil 23                 | 3274CT Heinenoord  | 4:01                    |                      |
| mE Aalwater 13                | 2993DD Barendrecht | 0:00                    |                      |
| ME Dorpsstraat 1              | 3274BB Heinenoord  | 2:20                    |                      |
| mF Swarttouwhaven 24          | 2993HP Barendrecht | 0:00                    |                      |
| MF Kalesland 58               | 3274CH Heinenoord  | 2:50                    |                      |
| MG Wouter van den Walestri 54 | 3274CS Heinenoord  | 1:12                    |                      |
| mG Steekkant 37               | 2993DB Barendrecht | 0:00                    |                      |
| mh Kabbelkant 4               | 2993DC Barendrecht | 0:00                    |                      |
| MH Irenestraat 48             | 3274AE Heinenoord  | 0:58                    |                      |
| MI Avenhil 13                 | 3274CT Heinenoord  | 3:43                    |                      |
| mI Steurwater 5               | 2993DE Barendrecht | 0:00                    |                      |
| mJ Vederhaven 11              | 2993EB Barendrecht | 0:00                    |                      |
| MJ Kalesland 1                | 3274CH Heinenoord  | 2:08                    |                      |
| mK Swarttouwhaven 48          | 2993HP Barendrecht | 0:00                    |                      |
| MK Koomansland 5              | 3274CJ Heinenoord  | 1:39                    |                      |
| ML Margrietstraat 9           | 3274AH Heinenoord  | 0:51                    |                      |
| ml Steekkant 153              | 2993DB Barendrecht | 0:00                    |                      |
| MM Emmastraat 16              | 3274AC Heinenoord  | 0:49                    |                      |
| mm Steekkant 24               | 2993DB Barendrecht | 0:00                    |                      |
| MN Irenestraat 1              | 3274AD Heinenoord  | 0:41                    |                      |
| mN Steekkant 16               | 2993DB Barendrecht | 0:00                    |                      |
| mO Steekkant 14               | 2993DB Barendrecht | 0:00                    |                      |
| MO Avenhil 10                 | 3274CT Heinenoord  | 3:09                    |                      |
| MP Spuivelden 15              | 3274CM Heinenoord  | 2:45                    |                      |
| mP Smithaven 2                | 2993EC Barendrecht | 0:00                    |                      |
| MQ Wiardi Beckmanhof 13       | 3274CX Heinenoord  | 3:44                    |                      |
| mQ Aalwater 8                 | 2993DD Barendrecht | 0:00                    |                      |
| MR Talmahof 9                 | 3274CN Heinenoord  | 1:33                    |                      |
| mR Steekkant 53               | 2993DB Barendrecht | 0:00                    |                      |
| mS Smithaven 43               | 2993EC Barendrecht | 0:00                    |                      |
| MS Beatrixstraat 48           | 3274AA Heinenoord  | 0:37                    |                      |
| mT Müllerhaven 72             | 2993EA Barendrecht | 0:00                    |                      |
| MT De Laagjes 26              | 3274CB Heinenoord  | 2:14                    |                      |
| MU Bernhardstraat 6           | 3274AB Heinenoord  | 0:39                    |                      |
| mU Smithaven 14               | 2993EC Barendrecht | 0:00                    |                      |
| MV Wiardi Beckmanhof 11       | 3274CX Heinenoord  | 3:28                    |                      |
| mV Van Hobokenhaven 45        | 2993HH Barendrecht | 0:00                    |                      |
| mW Steekkant 48               | 2993DB Barendrecht | 0:00                    |                      |
| MW Julianalaan 42             | 3274AG Heinenoord  | 0:29                    |                      |
| MX De Laagjes 22              | 3274CB Heinenoord  | 2:06                    |                      |
| mX Steekkant 75               | 2993DB Barendrecht | 0:00                    |                      |
| mY Steekkant 91               | 2993DB Barendrecht | 0:00                    |                      |
| MY Koomansland 13             | 3274CJ Heinenoord  | 1:47                    |                      |
| mZ Aalwater 18                | 2993DD Barendrecht | 0:00                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values |          |
|-----|---|-------------------------|----------|
|     |   | Shadow hours per year   | [h/year] |
|     | MZ Kalesland 46 3274CH Heinenoord             | 2:28                    |          |
|     | N Blaaksedijk West 31 3274LD Heinenoord       | 0:00                    |          |
| •   | N Achterzeedijk 1 a 40 2991SB Barendrecht     | 4:00                    |          |
| NA  | Spuivelden 9 3274CM Heinenoord                | 2:17                    |          |
| nA  | Aalwater 16 2993DD Barendrecht                | 0:00                    |          |
| nB  | Steekkant 17 2993DB Barendrecht               | 0:00                    |          |
| NB  | John F. Kennedystraat 43 3274CG Heinenoord    | 2:08                    |          |
| NC  | Irenestraat 20 3274AE Heinenoord              | 0:47                    |          |
| nC  | Zalmwater 155 2993DX Barendrecht              | 0:00                    |          |
| ND  | Oranjestraat 31 3274AK Heinenoord             | 0:52                    |          |
| nD  | Müllerhaven 60 2993EA Barendrecht             | 0:00                    |          |
| nE  | Swarttouwhaven 18 2993HP Barendrecht          | 0:00                    |          |
| NE  | Kalesland 28 3274CH Heinenoord                | 2:11                    |          |
| nF  | Zalmwater 151 2993DX Barendrecht              | 0:00                    |          |
| NF  | Martin Luther Kingstraat 50 3274CL Heinenoord | 2:21                    |          |
| NG  | Prof. Teldersstraat 30 3274MC Heinenoord      | 7:01                    |          |
| nG  | Van Hobokenhaven 47 2993HH Barendrecht        | 0:00                    |          |
| nH  | Smithaven 33 2993EC Barendrecht               | 0:00                    |          |
| NH  | Dorpsstraat 7 3274BB Heinenoord               | 1:27                    |          |
| nl  | Müllerhaven 4 2993EA Barendrecht              | 0:00                    |          |
| NI  | Kalesland 64 3274CH Heinenoord                | 2:50                    |          |
| nJ  | Smithaven 39 2993EC Barendrecht               | 0:00                    |          |
| NJ  | Andries Woutershof 8 3274CA Heinenoord        | 1:57                    |          |
| NK  | Beatrixstraat 23 3274AA Heinenoord            | 0:33                    |          |
| nK  | Müllerhaven 10 2993EA Barendrecht             | 0:00                    |          |
| NL  | Prof. Teldersstraat 5 3274CZ Heinenoord       | 5:18                    |          |
| nL  | Steekkant 131 2993DB Barendrecht              | 0:00                    |          |
| nM  | Van Hobokenhaven 63 2993HH Barendrecht        | 0:00                    |          |
| NM  | Oosteinde 24 3274KC Heinenoord                | 5:37                    |          |
| nN  | Steekkant 23 2993DB Barendrecht               | 0:00                    |          |
| NN  | Prof. Teldersstraat 7 3274CZ Heinenoord       | 5:20                    |          |
| NO  | Koimansland 1 3274CJ Heinenoord               | 1:38                    |          |
| nO  | Steekkant 50 2993DB Barendrecht               | 0:00                    |          |
| NP  | Buitenlanden 21 3274MB Heinenoord             | 7:28                    |          |
| nP  | Steekkant 20 2993DB Barendrecht               | 0:00                    |          |
| nQ  | Müllerhaven 64 2993EA Barendrecht             | 0:00                    |          |
| NO  | Marijkestraat 9 3274AJ Heinenoord             | 0:52                    |          |
| nR  | Kröllerhaven 15 2993ED Barendrecht            | 0:00                    |          |
| NR  | John F. Kennedystraat 79 3274CG Heinenoord    | 5:17                    |          |
| nS  | Steekkant 79 2993DB Barendrecht               | 0:00                    |          |
| NS  | John F. Kennedystraat 34 3274CG Heinenoord    | 5:55                    |          |
| NT  | Kalesland 6 3274CH Heinenoord                 | 1:49                    |          |
| nT  | Steekkant 35 2993DB Barendrecht               | 0:00                    |          |
| nU  | Kröllerhaven 33 2993ED Barendrecht            | 0:00                    |          |
| NU  | Koimansland 2 3274CJ Heinenoord               | 1:26                    |          |
| NV  | John F. Kennedystraat 24 3274CG Heinenoord    | 4:31                    |          |
| nV  | Swarttouwhaven 38 2993HP Barendrecht          | 0:00                    |          |
| NW  | John F. Kennedystraat 27 3274CG Heinenoord    | 1:41                    |          |
| nW  | Kabbelkant 16 2993DC Barendrecht              | 0:00                    |          |
| nX  | Van Hobokenhaven 35 2993HH Barendrecht        | 0:00                    |          |
| NX  | Oosteinde 16 3274KC Heinenoord                | 4:48                    |          |
| NY  | Irenestraat 19 3274AD Heinenoord              | 0:44                    |          |
| nY  | Meeshaven 18 2993HN Barendrecht               | 0:00                    |          |
| NZ  | Bernhardstraat 4 3274AB Heinenoord            | 0:39                    |          |
| nZ  | Ruylshaven 7 2993HM Barendrecht               | 0:00                    |          |
| •O  | O Blaaksedijk West 32 3274LE Heinenoord       | 0:00                    |          |
| OA  | Achterzeedijk 1 a 41 2991SB Barendrecht       | 3:52                    |          |
| OA  | Boerengorzen 2 3274CV Heinenoord              | 5:05                    |          |
| oA  | Müllerhaven 62 2993EA Barendrecht             | 0:00                    |          |
| oB  | Smithaven 27 2993EC Barendrecht               | 0:00                    |          |
| OB  | Martin Luther Kingstraat 6 3274CK Heinenoord  | 1:17                    |          |
| oC  | Aalwater 21 2993DD Barendrecht                | 0:00                    |          |
| OC  | Prof. Teldersstraat 27 3274CZ Heinenoord      | 5:43                    |          |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 15:11/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| oD  | Swarttouwhaven 56 2993HP Barendrecht          | 0:00                    |                      |
| OD  | Irenestraat 44 3274AE Heinenoord              | 0:54                    |                      |
| OE  | Kalesland 22 3274CH Heinenoord                | 2:02                    |                      |
| oE  | Van Hobokenhaven 21 2993HH Barendrecht        | 0:00                    |                      |
| OF  | Marijkestraat 4 3274AJ Heinenoord             | 0:42                    |                      |
| oF  | Kröllerhaven 27 2993ED Barendrecht            | 0:00                    |                      |
| OG  | Wiardi Beckmanhof 1 3274CX Heinenoord         | 3:22                    |                      |
| oG  | Kröllerhaven 19 2993ED Barendrecht            | 0:00                    |                      |
| OH  | Emmastraat 2 F 3274AC Heinenoord              | 0:37                    |                      |
| oH  | Ruyschen 2 2993HM Barendrecht                 | 0:00                    |                      |
| OI  | Koomansland 22 3274CJ Heinenoord              | 1:19                    |                      |
| oI  | Koedood 2 b 2993AL Barendrecht                | 0:10                    |                      |
| OJ  | Prof. Teldersstraat 26 3274MC Heinenoord      | 6:42                    |                      |
| oJ  | Swarttouwhaven 60 2993HP Barendrecht          | 0:00                    |                      |
| OK  | Avenhil 12 3274CT Heinenoord                  | 3:24                    |                      |
| oK  | Müllerhaven 28 2993EA Barendrecht             | 0:00                    |                      |
| oL  | Spieringwater 14 2993DM Barendrecht           | 0:00                    |                      |
| OL  | Martin Luther Kingstraat 46 3274CL Heinenoord | 2:09                    |                      |
| oM  | Aalwater 7 2993DD Barendrecht                 | 0:00                    |                      |
| OM  | Heyne van Althenastraat 10 3274CD Heinenoord  | 1:39                    |                      |
| oN  | Stekkant 34 2993DB Barendrecht                | 0:00                    |                      |
| ON  | Rietwaard 10 3274MA Heinenoord                | 6:35                    |                      |
| oO  | Stekkant 61 2993DB Barendrecht                | 0:00                    |                      |
| OO  | Martin Luther Kingstraat 62 3274CL Heinenoord | 2:43                    |                      |
| OP  | Avenhil 40 3274CT Heinenoord                  | 4:14                    |                      |
| oP  | Stekkant 167 2993DB Barendrecht               | 0:00                    |                      |
| OQ  | Emmastraat 28 3274AC Heinenoord               | 0:38                    |                      |
| oQ  | Van Hobokenhaven 57 2993HH Barendrecht        | 0:00                    |                      |
| oR  | Stekkant 159 2993DB Barendrecht               | 0:00                    |                      |
| OR  | Avenhil 16 3274CT Heinenoord                  | 3:29                    |                      |
| OS  | Irenestraat 46 3274AE Heinenoord              | 0:56                    |                      |
| oS  | Kröllerhaven 21 2993ED Barendrecht            | 0:00                    |                      |
| oT  | Ruyschen 6 2993HM Barendrecht                 | 0:00                    |                      |
| OT  | Kalesland 5 3274CH Heinenoord                 | 2:09                    |                      |
| OU  | Oranjestraat 29 3274AK Heinenoord             | 0:51                    |                      |
| oU  | Koedood 18 2993AL Barendrecht                 | 0:02                    |                      |
| OV  | Prof. Teldersstraat 49 3274MC Heinenoord      | 6:53                    |                      |
| oV  | Van Hobokenhaven 67 2993HH Barendrecht        | 0:00                    |                      |
| oW  | Swarttouwhaven 54 2993HP Barendrecht          | 0:00                    |                      |
| OW  | Irenestraat 16 3274AE Heinenoord              | 0:46                    |                      |
| oX  | Kabbelkant 10 2993DC Barendrecht              | 0:00                    |                      |
| OX  | De Laagjes 16 3274CB Heinenoord               | 2:00                    |                      |
| oY  | Smithaven 8 2993EC Barendrecht                | 0:00                    |                      |
| OY  | Wouter van den Walestr 52 3274CS Heinenoord   | 1:11                    |                      |
| oZ  | Müllerhaven 26 2993EA Barendrecht             | 0:00                    |                      |
| OZ  | Martin Luther Kingstraat 24 3274CK Heinenoord | 1:39                    |                      |
| P   | Blaaksedijk West 33 3274LD Heinenoord         | 0:00                    |                      |
| •P  | Achterzeedijk 1 a 42 2991SB Barendrecht       | 3:59                    |                      |
| PA  | Wouter van den Walestr 76 3274CS Heinenoord   | 1:12                    |                      |
| pA  | Stekkant 163 2993DB Barendrecht               | 0:00                    |                      |
| pB  | Stekkant 93 2993DB Barendrecht                | 0:00                    |                      |
| PB  | Avenhil 20 3274CT Heinenoord                  | 4:02                    |                      |
| PC  | Martin Luther Kingstraat 10 3274CK Heinenoord | 1:22                    |                      |
| pC  | Van Hobokenhaven 23 2993HH Barendrecht        | 0:00                    |                      |
| PD  | Marijkestraat 23 3274AJ Heinenoord            | 1:04                    |                      |
| pD  | Swarttouwhaven 40 2993HP Barendrecht          | 0:00                    |                      |
| pE  | Stekkant 32 2993DB Barendrecht                | 0:00                    |                      |
| PE  | John F. Kennedystraat 91 3274CG Heinenoord    | 7:23                    |                      |
| pF  | Stekkant 99 2993DB Barendrecht                | 0:00                    |                      |
| PF  | Boerengorzen 5 3274CV Heinenoord              | 5:34                    |                      |
| pG  | Smithaven 10 2993EC Barendrecht               | 0:00                    |                      |
| PG  | John F. Kennedystraat 10 3274CG Heinenoord    | 3:35                    |                      |
| pH  | Aalwater 1 2993DD Barendrecht                 | 0:00                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

Opstelling 2c

Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 15:11/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.                            | Name               | Shadow, expected values |                      |
|--------------------------------|--------------------|-------------------------|----------------------|
|                                |                    | Shadow hours            | per year<br>[h/year] |
| PH Rietwaard 2                 | 3274MA Heinenoord  | 6:14                    |                      |
| PI Abraham Kuyperhof 3         | 3274CW Heinenoord  | 4:10                    |                      |
| pI Steekkant 161               | 2993DB Barendrecht | 0:00                    |                      |
| pJ Kröllerhaven 2              | 2993ED Barendrecht | 0:00                    |                      |
| PJ Irenestraat 7               | 3274AD Heinenoord  | 0:42                    |                      |
| pK Smithaven 21                | 2993EC Barendrecht | 0:00                    |                      |
| PK Prof. Teldersstraat 6       | 3274MC Heinenoord  | 6:15                    |                      |
| PL Kalesland 10                | 3274CH Heinenoord  | 1:50                    |                      |
| pL Müllerhaven 18              | 2993EA Barendrecht | 0:00                    |                      |
| PM Avenhil 6                   | 3274CT Heinenoord  | 3:12                    |                      |
| pM Steekkant 139               | 2993DB Barendrecht | 0:00                    |                      |
| pN Zalmwater 139               | 2993DX Barendrecht | 0:00                    |                      |
| PN John F. Kennedystraat 28    | 3274CG Heinenoord  | 5:26                    |                      |
| pO Kröllerhaven 47             | 2993ED Barendrecht | 0:00                    |                      |
| PO Kalesland 26                | 3274CH Heinenoord  | 2:10                    |                      |
| pP Steekkant 9                 | 2993DB Barendrecht | 0:00                    |                      |
| PP Prof. Teldersstraat 10      | 3274MC Heinenoord  | 6:15                    |                      |
| PQ De Laagjes 7                | 3274CB Heinenoord  | 1:46                    |                      |
| pQ Aalwater 9                  | 2993DD Barendrecht | 0:00                    |                      |
| PR Hermannushof 10             | 3274CE Heinenoord  | 2:43                    |                      |
| pR Steekkant 95                | 2993DB Barendrecht | 0:00                    |                      |
| pS Swarttouwhaven 12           | 2993HP Barendrecht | 0:00                    |                      |
| PS Andries Woutershof 18       | 3274CA Heinenoord  | 2:14                    |                      |
| pT Smithaven 25                | 2993EC Barendrecht | 0:00                    |                      |
| PT Wouter van den Walestr 30   | 3274CR Heinenoord  | 1:02                    |                      |
| PU Heyne van Althenastraat 40  | 3274CD Heinenoord  | 3:01                    |                      |
| pU Swarttouwhaven 16           | 2993HP Barendrecht | 0:00                    |                      |
| pV Smithaven 23                | 2993EC Barendrecht | 0:00                    |                      |
| PV Irenestraat 12              | 3274AE Heinenoord  | 0:46                    |                      |
| pW Steekkant 28                | 2993DB Barendrecht | 0:00                    |                      |
| PW Martin Luther Kingstraat 70 | 3274CL Heinenoord  | 2:56                    |                      |
| pX Müllerhaven 74              | 2993EA Barendrecht | 0:00                    |                      |
| PX John F. Kennedystraat 21    | 3274CG Heinenoord  | 1:32                    |                      |
| pY Steekkant 5                 | 2993DB Barendrecht | 0:00                    |                      |
| PY Prof. Teldersstraat 20      | 3274MC Heinenoord  | 6:04                    |                      |
| PZ Beatrixstraat 52            | 3274AA Heinenoord  | 0:38                    |                      |
| pZ Van Hobokenhaven 49         | 2993HH Barendrecht | 0:00                    |                      |
| Q Blaaksedijk West 47          | 3274LD Heinenoord  | 0:02                    |                      |
| •Q Achterzeedijk 1 a 43        | 2991SB Barendrecht | 4:04                    |                      |
| qA Müllerhaven 80              | 2993EA Barendrecht | 0:00                    |                      |
| QA Oosteinde 6                 | 3274KC Heinenoord  | 2:56                    |                      |
| QB Kooimansland 12             | 3274CJ Heinenoord  | 1:23                    |                      |
| qb Steekkant 6                 | 2993DB Barendrecht | 0:00                    |                      |
| QC Beatrixstraat 36            | 3274AA Heinenoord  | 0:36                    |                      |
| qc Steekkant 25                | 2993DB Barendrecht | 0:00                    |                      |
| QD Avenhil 11                  | 3274CT Heinenoord  | 3:07                    |                      |
| qd Smithaven 51                | 2993EC Barendrecht | 0:00                    |                      |
| QE De Laagjes 17               | 3274CB Heinenoord  | 2:01                    |                      |
| qe Müllerhaven 22              | 2993EA Barendrecht | 0:00                    |                      |
| qf Steekkant 143               | 2993DB Barendrecht | 0:00                    |                      |
| QF Marijkestraat 7             | 3274AJ Heinenoord  | 0:50                    |                      |
| qG Swarttouwhaven 14           | 2993HP Barendrecht | 0:00                    |                      |
| QG Avenhil 34                  | 3274CT Heinenoord  | 4:19                    |                      |
| qH Steekkant 7                 | 2993DB Barendrecht | 0:00                    |                      |
| QH Kooimansland 14             | 3274CJ Heinenoord  | 1:24                    |                      |
| QI Irenestraat 13              | 3274AD Heinenoord  | 0:42                    |                      |
| qi Steekkant 45                | 2993DB Barendrecht | 0:00                    |                      |
| QJ Martin Luther Kingstraat 68 | 3274CL Heinenoord  | 2:54                    |                      |
| qj Koedood 25                  | 2993AL Barendrecht | 0:00                    |                      |
| QK Prof. Teldersstraat 13      | 3274CZ Heinenoord  | 5:13                    |                      |
| qk Steekkant 47                | 2993DB Barendrecht | 0:00                    |                      |
| QL Andries Woutershof 24       | 3274CA Heinenoord  | 2:13                    |                      |
| ql Aalwater 10                 | 2993DD Barendrecht | 0:00                    |                      |

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Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

Opstelling 2c

Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 15:11/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
| qM  | Van Hobokenhaven 53 2993HH Barendrecht       | 0:00                    |                      |
| QM  | De Laagjes 19 3274CB Heinenoord              | 2:03                    |                      |
| QN  | Kalesland 38 3274CH Heinenoord               | 2:18                    |                      |
| qn  | Müllerhaven 46 2993EA Barendrecht            | 0:00                    |                      |
| qO  | Müllerhaven 68 2993EA Barendrecht            | 0:00                    |                      |
| QO  | Marijkestraat 21 3274AJ Heinenoord           | 1:02                    |                      |
| qP  | Steurwater 1 2993DE Barendrecht              | 0:00                    |                      |
| QP  | De Laagjes 4 3274CB Heinenoord               | 1:37                    |                      |
| QQ  | John F. Kennedystraat 19 3274CG Heinenoord   | 1:31                    |                      |
| qQ  | Koedood 6 2993AL Barendrecht                 | 0:27                    |                      |
| qR  | Zalmwater 157 2993DX Barendrecht             | 0:00                    |                      |
| QR  | Bernhardstraat 3 3274AB Heinenoord           | 0:34                    |                      |
| qS  | Spieringwater 4 2993DM Barendrecht           | 0:00                    |                      |
| QS  | Oosteinde 37 3274KB Heinenoord               | 5:09                    |                      |
| QT  | De Laagjes 28 3274CB Heinenoord              | 2:17                    |                      |
| qT  | Spieringwater 10 2993DM Barendrecht          | 0:00                    |                      |
| QU  | Thorbeckehof 3 3274CP Heinenoord             | 2:50                    |                      |
| qU  | Spieringwater 2 2993DM Barendrecht           | 0:00                    |                      |
| qV  | Stekkant 54 2993DB Barendrecht               | 0:00                    |                      |
| QV  | De Laagjes 20 3274CB Heinenoord              | 2:03                    |                      |
| QW  | Buitelanden 4 3274MB Heinenoord              | 10:48                   |                      |
| qW  | Swarttouwhaven 62 2993HP Barendrecht         | 0:00                    |                      |
| QX  | Wiardi Beckmanhof 15 3274CX Heinenoord       | 3:45                    |                      |
| qX  | Steurwater 11 2993DE Barendrecht             | 0:00                    |                      |
| QY  | Emmastraat 2 E 3274AC Heinenoord             | 0:38                    |                      |
| qY  | Swarttouwhaven 36 2993HP Barendrecht         | 0:00                    |                      |
| qZ  | Kabbelkant 14 2993DC Barendrecht             | 0:00                    |                      |
| QZ  | Koomansland 8 3274CJ Heinenoord              | 1:26                    |                      |
| R   | Blaaksedijk West 24 3274LE Heinenoord        | 0:00                    |                      |
| •R  | Achterzeedijk 1 a 44 2991SB Barendrecht      | 4:12                    |                      |
| RA  | John F. Kennedystraat 33 3274CG Heinenoord   | 1:56                    |                      |
| rA  | Stekkant 41 2993DB Barendrecht               | 0:00                    |                      |
| rB  | Stekkant 81 2993DB Barendrecht               | 0:00                    |                      |
| RB  | Boerengorzen 3 3274CV Heinenoord             | 5:38                    |                      |
| RC  | Kalesland 70 3274CH Heinenoord               | 2:52                    |                      |
| rC  | Koedood 14 2993AL Barendrecht                | 0:06                    |                      |
| rD  | Müllerhaven 40 2993EA Barendrecht            | 0:00                    |                      |
| RD  | Abraham Kuyperhof 16 3274CW Heinenoord       | 4:41                    |                      |
| rE  | Aalwater 11 2993DD Barendrecht               | 0:00                    |                      |
| RE  | Avenhil 28 3274CT Heinenoord                 | 4:25                    |                      |
| rF  | Smithaven 37 2993EC Barendrecht              | 0:00                    |                      |
| RF  | Oosteinde 22 3274KC Heinenoord               | 5:38                    |                      |
| rG  | Van Hobokenhaven 33 2993HH Barendrecht       | 0:00                    |                      |
| RG  | Andries Woutershof 16 3274CA Heinenoord      | 2:12                    |                      |
| rH  | Aalwater 15 2993DD Barendrecht               | 0:00                    |                      |
| RH  | Prof. Teldersstraat 32 3274MC Heinenoord     | 7:11                    |                      |
| rI  | Stekkant 85 2993DB Barendrecht               | 0:00                    |                      |
| RI  | Emmastraat 34 3274AC Heinenoord              | 0:32                    |                      |
| rJ  | Zalmwater 141 2993DX Barendrecht             | 0:00                    |                      |
| RJ  | Oranjestraat 23 3274AK Heinenoord            | 0:46                    |                      |
| RK  | John F. Kennedystraat 89 3274CG Heinenoord   | 7:13                    |                      |
| rK  | Smithaven 12 2993EC Barendrecht              | 0:00                    |                      |
| rL  | Stekkant 44 2993DB Barendrecht               | 0:00                    |                      |
| RL  | Heyne van Althenastraat 18 3274CD Heinenoord | 1:35                    |                      |
| RM  | Oranjestraat 17 3274AK Heinenoord            | 0:39                    |                      |
| rM  | Stekkant 4 2993DB Barendrecht                | 0:00                    |                      |
| RN  | Buitelanden 13 3274MB Heinenoord             | 7:57                    |                      |
| rN  | Van Hobokenhaven 37 2993HH Barendrecht       | 0:00                    |                      |
| RO  | Bernhardstraat 2 3274AB Heinenoord           | 0:38                    |                      |
| rO  | Van Hobokenhaven 19 2993HH Barendrecht       | 0:00                    |                      |
| RP  | Buitelanden 17 3274MB Heinenoord             | 7:42                    |                      |
| rP  | Calandhaven 1 2993HL Barendrecht             | 0:00                    |                      |
| rQ  | Koedood 22 2993AL Barendrecht                | 0:01                    |                      |

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## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values              |
|-----|---|--------------------------------------|
|     |   | Shadow hours<br>per year<br>[h/year] |
| RQ  | Marijkestraat 1 C 3274AJ Heinenoord           | 0:44                                 |
| RR  | Irenestraat 40 3274AE Heinenoord              | 0:52                                 |
| rR  | Aalwater 2 2993DD Barendrecht                 | 0:00                                 |
| rS  | Stekkant 103 2993DB Barendrecht               | 0:00                                 |
| RS  | Bernhardstraat 16 3274AB Heinenoord           | 0:47                                 |
| RT  | Buitelanden 12 3274MB Heinenoord              | 8:52                                 |
| rT  | Aalwater 5 2993DD Barendrecht                 | 0:00                                 |
| rU  | Kröllerhaven 31 2993ED Barendrecht            | 0:00                                 |
| RU  | Wouter van den Walestr 26 3274CR Heinenoord   | 1:02                                 |
| rV  | Smithaven 53 2993EC Barendrecht               | 0:00                                 |
| RV  | Boerengorzen 9 3274CV Heinenoord              | 5:31                                 |
| rW  | Müllerhaven 30 2993EA Barendrecht             | 0:00                                 |
| RW  | Emmastraat 3 3274AC Heinenoord                | 0:38                                 |
| rX  | Swarttouwhaven 58 2993HP Barendrecht          | 0:00                                 |
| RX  | De Laagjes 2 3274CB Heinenoord                | 1:36                                 |
| rY  | Vederhaven 15 2993EB Barendrecht              | 0:00                                 |
| RY  | Koimansland 28 3274CJ Heinenoord              | 1:27                                 |
| rZ  | Smithaven 57 2993EC Barendrecht               | 0:00                                 |
| RZ  | Prof. Teldersstraat 31 3274MC Heinenoord      | 6:19                                 |
| S   | Reedijk 3 A 3274KE Heinenoord                 | 0:00                                 |
| •S  | Achterzeedijk 1 a 45 2991SB Barendrecht       | 3:54                                 |
| sA  | Swarttouwhaven 26 2993HP Barendrecht          | 0:00                                 |
| SA  | Wouter van den Walestr 18 3274CR Heinenoord   | 1:02                                 |
| SB  | Oranjestraat 15 3274AK Heinenoord             | 0:38                                 |
| sB  | Smithaven 29 2993EC Barendrecht               | 0:00                                 |
| SC  | Heyne van Althenastraat 26 3274CD Heinenoord  | 1:57                                 |
| sC  | Stekkant 145 2993DB Barendrecht               | 0:00                                 |
| SD  | Martin Luther Kingstraat 48 3274CL Heinenoord | 2:11                                 |
| sD  | Aalwater 3 2993DD Barendrecht                 | 0:00                                 |
| SE  | Willem de Zwijgerstraat 8 3274AL Heinenoord   | 0:29                                 |
| sE  | Zalmwater 153 2993DX Barendrecht              | 0:00                                 |
| SF  | John F. Kennedystraat 36 3274CG Heinenoord    | 5:57                                 |
| sF  | Vederhaven 17 2993EB Barendrecht              | 0:00                                 |
| SG  | Wouter van den Walestr 44 3274CS Heinenoord   | 1:10                                 |
| sG  | Swarttouwhaven 34 2993HP Barendrecht          | 0:00                                 |
| SH  | Wiardi Beckmanhof 12 3274CX Heinenoord        | 3:30                                 |
| sH  | Müllerhaven 76 2993EA Barendrecht             | 0:00                                 |
| SI  | Margrietstraat 14 3274AH Heinenoord           | 1:00                                 |
| sI  | Meeshaven 14 2993HN Barendrecht               | 0:00                                 |
| sJ  | Smithaven 20 2993EC Barendrecht               | 0:00                                 |
| SJ  | Prof. Teldersstraat 43 3274MC Heinenoord      | 6:46                                 |
| SK  | De Laagjes 18 3274CB Heinenoord               | 2:01                                 |
| sK  | Stekkant 123 2993DB Barendrecht               | 0:00                                 |
| SL  | Wouter van den Walestr 56 3274CS Heinenoord   | 1:11                                 |
| sL  | Stekkant 59 2993DB Barendrecht                | 0:00                                 |
| sM  | Stekkant 39 2993DB Barendrecht                | 0:00                                 |
| SM  | Zomerlandseweg 2 3274LX Heinenoord            | 2:34                                 |
| sN  | Müllerhaven 66 2993EA Barendrecht             | 0:00                                 |
| SN  | Spuivelden 21 3274CM Heinenoord               | 2:46                                 |
| sO  | Steurwater 7 2993DE Barendrecht               | 0:00                                 |
| SO  | Koimansland 36 3274CJ Heinenoord              | 1:37                                 |
| SP  | John F. Kennedystraat 7 3274CG Heinenoord     | 1:23                                 |
| sP  | Stekkant 155 2993DB Barendrecht               | 0:00                                 |
| sQ  | Meeshaven 8 2993HN Barendrecht                | 0:00                                 |
| SQ  | Hermannushof 24 3274CE Heinenoord             | 3:11                                 |
| sR  | Stekkant 27 2993DB Barendrecht                | 0:00                                 |
| SR  | Koimansland 11 3274CJ Heinenoord              | 1:43                                 |
| sS  | Aalwater 17 2993DD Barendrecht                | 0:00                                 |
| SS  | Hermannushof 26 3274CE Heinenoord             | 3:11                                 |
| sT  | Stekkant 119 2993DB Barendrecht               | 0:00                                 |
| ST  | Oosteinde 28 3274KC Heinenoord                | 5:55                                 |
| SU  | Irenestraat 21 3274AD Heinenoord              | 0:43                                 |
| sU  | Kröllerhaven 4 2993ED Barendrecht             | 0:00                                 |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
|     | sV Ruyshaven 9 2993HM Barendrecht              | 0:00                    |                      |
|     | SV Bernhardstraat 12 3274AB Heinenoord         | 0:43                    |                      |
|     | SW Spuibedden 2 3274CM Heinenoord              | 2:41                    |                      |
|     | sW Spieringwater 6 2993DM Barendrecht          | 0:00                    |                      |
|     | SX Emmastraat 26 3274AC Heinenoord             | 0:40                    |                      |
|     | sX Swarttouwhaven 28 2993HP Barendrecht        | 0:00                    |                      |
|     | SY Rietwaard 1 3274MA Heinenoord               | 6:58                    |                      |
|     | sY Ruyshaven 11 2993HM Barendrecht             | 0:00                    |                      |
|     | sZ Swarttouwhaven 66 2993HP Barendrecht        | 0:00                    |                      |
|     | SZ John F. Kennedystraat 26 3274CG Heinenoord  | 5:18                    |                      |
|     | T Blaaksedijk West 43 3274LD Heinenoord        | 0:00                    |                      |
| •   | T Achterzeedijk 1 a 46 2991SB Barendrecht      | 4:04                    |                      |
|     | tA Van Hobokenhaven 65 2993HH Barendrecht      | 0:00                    |                      |
|     | TA Prof. Teldersstraat 15 3274CZ Heinenoord    | 5:13                    |                      |
|     | TB Wouter van den Walestr 12 3274CR Heinenoord | 1:01                    |                      |
|     | tB Smithaven 31 2993EC Barendrecht             | 0:00                    |                      |
|     | tC Steekkant 137 2993DB Barendrecht            | 0:00                    |                      |
|     | TC Avenhil 24 3274CT Heinenoord                | 3:58                    |                      |
|     | tD Steekkant 105 2993DB Barendrecht            | 0:00                    |                      |
|     | TD Prof. Teldersstraat 21 3274CZ Heinenoord    | 5:41                    |                      |
|     | TE De Laagjes 5 3274CB Heinenoord              | 1:43                    |                      |
|     | tE Zalmwater 133 2993DX Barendrecht            | 0:00                    |                      |
|     | TF John F. Kennedystraat 57 3274CG Heinenoord  | 2:44                    |                      |
|     | tF Kröllerhaven 43 2993ED Barendrecht          | 0:00                    |                      |
|     | tG Van Hobokenhaven 15 2993HH Barendrecht      | 0:00                    |                      |
|     | TG Rietwaard 14 3274MA Heinenoord              | 6:32                    |                      |
|     | tH Steekkant 11 2993DB Barendrecht             | 0:00                    |                      |
|     | TH Kooimansland 10 3274CJ Heinenoord           | 1:24                    |                      |
|     | TI Abraham Kuyperhof 7 3274CW Heinenoord       | 4:05                    |                      |
|     | tI Steekkant 67 2993DB Barendrecht             | 0:00                    |                      |
|     | tJ Steekkant 52 2993DB Barendrecht             | 0:00                    |                      |
|     | TJ Kalesland 4 3274CH Heinenoord               | 1:51                    |                      |
|     | tK Müllerhaven 82 2993EA Barendrecht           | 0:00                    |                      |
|     | TK Oranjestraat 20 3274AK Heinenoord           | 0:32                    |                      |
|     | tL Müllerhaven 34 2993EA Barendrecht           | 0:00                    |                      |
|     | TL Dreeshof 2 3274CC Heinenoord                | 2:32                    |                      |
|     | TM Hermannushof 16 3274CE Heinenoord           | 2:56                    |                      |
|     | tM Steekkant 31 2993DB Barendrecht             | 0:00                    |                      |
|     | TN Wiardi Beckmanhof 14 3274CX Heinenoord      | 3:45                    |                      |
|     | tN Vederhaven 1 2993EB Barendrecht             | 0:00                    |                      |
|     | TO Wiardi Beckmanhof 2 3274CX Heinenoord       | 3:21                    |                      |
|     | tO Müllerhaven 50 2993EA Barendrecht           | 0:00                    |                      |
|     | tP Koedood 4 2993AL Barendrecht                | 0:26                    |                      |
|     | TP Beatrixstraat 17 3274AA Heinenoord          | 0:32                    |                      |
|     | tQ Smithaven 49 2993EC Barendrecht             | 0:00                    |                      |
|     | TQ John F. Kennedystraat 37 3274CG Heinenoord  | 2:02                    |                      |
|     | tR Koedood 2 a 2993AL Barendrecht              | 0:00                    |                      |
|     | TR Oranjestraat 11 A 3274AK Heinenoord         | 0:31                    |                      |
|     | TS Spuibedden 5 3274CM Heinenoord              | 2:18                    |                      |
|     | tS Kröllerhaven 6 2993ED Barendrecht           | 0:00                    |                      |
|     | TT Prof. Teldersstraat 4 3274MC Heinenoord     | 6:20                    |                      |
|     | tT Smithaven 22 2993EC Barendrecht             | 0:00                    |                      |
|     | TU Dorpsstraat 32 3274BD Heinenoord            | 0:33                    |                      |
|     | tU Steekkant 121 2993DB Barendrecht            | 0:00                    |                      |
|     | tV Steekkant 135 2993DB Barendrecht            | 0:00                    |                      |
|     | TV Prof. Teldersstraat 12 3274MC Heinenoord    | 6:11                    |                      |
|     | TW Marijkestraat 5 3274AJ Heinenoord           | 0:49                    |                      |
|     | tW Steekkant 113 2993DB Barendrecht            | 0:00                    |                      |
|     | tX Smithaven 55 2993EC Barendrecht             | 0:00                    |                      |
|     | TX Kalesland 9 3274CH Heinenoord               | 2:09                    |                      |
|     | TY Boerengorzen 11 3274CV Heinenoord           | 5:29                    |                      |
|     | tY Steekkant 56 2993DB Barendrecht             | 0:00                    |                      |
|     | TZ Irenestraat 18 3274AE Heinenoord            | 0:47                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
|     | tZ Smithaven 45 2993EC Barendrecht            | 0:00                    |                      |
|     | U Blaaksedijk West 29 3274LD Heinenoord       | 0:00                    |                      |
| •   | U Achterzeedijk 1 a 47 2991SB Barendrecht     | 4:16                    |                      |
| uA  | Müllerhaven 16 2993EA Barendrecht             | 0:00                    |                      |
| UA  | Wouter van den Walestr 64 3274CS Heinenoord   | 1:12                    |                      |
| UB  | Avenhil 35 3274CT Heinenoord                  | 4:29                    |                      |
| uB  | Swartouwhaven 68 2993HP Barendrecht           | 0:00                    |                      |
| UC  | Beatrixstraat 29 3274AA Heinenoord            | 0:35                    |                      |
| uC  | Steekkant 30 2993DB Barendrecht               | 0:00                    |                      |
| uD  | Steekkant 38 2993DB Barendrecht               | 0:00                    |                      |
| UD  | Wiardi Beckmanhof 3 3274CX Heinenoord         | 3:21                    |                      |
| UE  | Martin Luther Kingstraat 2 3274CK Heinenoord  | 1:18                    |                      |
| uE  | Meeshaven 3 2993HN Barendrecht                | 0:00                    |                      |
| UF  | Rietwaard 7 3274MA Heinenoord                 | 7:13                    |                      |
| uF  | Van Hobokenhaven 51 2993HH Barendrecht        | 0:00                    |                      |
| uG  | Steekkant 42 2993DB Barendrecht               | 0:00                    |                      |
| UG  | Dorpsstraat 9 3274BB Heinenoord               | 1:17                    |                      |
| UH  | Oranjestraat 13 3274AK Heinenoord             | 0:36                    |                      |
| uH  | Meeshaven 1 2993HN Barendrecht                | 0:00                    |                      |
| uI  | Steekkant 69 2993DB Barendrecht               | 0:00                    |                      |
| UI  | Avenhil 4 3274CT Heinenoord                   | 3:24                    |                      |
| UJ  | De Laagjes 15 3274CB Heinenoord               | 2:03                    |                      |
| uJ  | Aalwater 22 2993DD Barendrecht                | 0:00                    |                      |
| UK  | Bernhardstraat 8 3274AB Heinenoord            | 0:41                    |                      |
| uK  | Steekkant 29 2993DB Barendrecht               | 0:00                    |                      |
| uL  | Steurwater 9 2993DE Barendrecht               | 0:00                    |                      |
| UL  | Margrietstraat 13 3274AH Heinenoord           | 0:53                    |                      |
| uM  | Smithaven 47 2993EC Barendrecht               | 0:00                    |                      |
| UM  | Irenestraat 15 3274AD Heinenoord              | 0:44                    |                      |
| uN  | Meeshaven 12 2993HN Barendrecht               | 0:00                    |                      |
| UN  | Rietwaard 26 3274MA Heinenoord                | 12:29                   |                      |
| uO  | Meeshaven 15 2993HN Barendrecht               | 0:00                    |                      |
| UO  | Avenhil 42 3274CT Heinenoord                  | 4:16                    |                      |
| uP  | Steekkant 117 2993DB Barendrecht              | 0:00                    |                      |
| UP  | Dreeshof 10 3274CC Heinenoord                 | 2:32                    |                      |
| uQ  | Steekkant 36 2993DB Barendrecht               | 0:00                    |                      |
| UQ  | Oosteinde 20 3274KC Heinenoord                | 5:26                    |                      |
| uR  | Calandhaven 7 2993HL Barendrecht              | 0:00                    |                      |
| UR  | John F. Kennedystraat 69 3274CG Heinenoord    | 4:38                    |                      |
| US  | De Laagjes 30 3274CB Heinenoord               | 2:20                    |                      |
| uS  | Calandhaven 5 2993HL Barendrecht              | 0:00                    |                      |
| UT  | Martin Luther Kingstraat 8 3274CK Heinenoord  | 1:18                    |                      |
| uT  | Hobokenhaven 55 2993HH Barendrecht            | 0:00                    |                      |
| UU  | Wiardi Beckmanhof 16 3274CX Heinenoord        | 3:46                    |                      |
| uU  | Kröllerhaven 25 2993ED Barendrecht            | 0:00                    |                      |
| uV  | Kröllerhaven 8 2993ED Barendrecht             | 0:00                    |                      |
| UV  | Thorbeckehof 9 3274CP Heinenoord              | 2:48                    |                      |
| uW  | Van Hobokenhaven 31 2993HH Barendrecht        | 0:00                    |                      |
| UW  | Emmastraat 24 3274AC Heinenoord               | 0:54                    |                      |
| UX  | John F. Kennedystraat 71 3274CG Heinenoord    | 4:45                    |                      |
| uX  | Steekkant 125 2993DB Barendrecht              | 0:00                    |                      |
| UY  | Avenhil 7 3274CT Heinenoord                   | 3:08                    |                      |
| uY  | Steekkant 157 2993DB Barendrecht              | 0:00                    |                      |
| UZ  | Irenestraat 34 3274AE Heinenoord              | 0:56                    |                      |
| uZ  | Steekkant 43 2993DB Barendrecht               | 0:00                    |                      |
| V   | Blaaksedijk West 25 3274LD Heinenoord         | 0:00                    |                      |
| •V  | Achterzeedijk 1 a 48 2991SB Barendrecht       | 4:29                    |                      |
| vA  | Swartouwhaven 22 2993HP Barendrecht           | 0:00                    |                      |
| VA  | Martin Luther Kingstraat 12 3274CK Heinenoord | 1:25                    |                      |
| vB  | Aalwater 6 2993DD Barendrecht                 | 0:00                    |                      |
| VB  | Buitelanden 2 3274MB Heinenoord               | 12:18                   |                      |
| vC  | Steekkant 49 2993DB Barendrecht               | 0:00                    |                      |
| VC  | Abraham Kuyperhof 1 3274CW Heinenoord         | 4:10                    |                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| vD Steekkant 141 2993DB Barendrecht              | 0:00 |                                      |
| VD Kalesland 76 3274CH Heinenoord                | 2:42 |                                      |
| vE Meeshaven 6 2993HN Barendrecht                | 0:00 |                                      |
| VE Dreeshof 6 3274CC Heinenoord                  | 2:32 |                                      |
| VF John F. Kennedystraat 73 3274CG Heinenoord    | 4:50 |                                      |
| vF Meeshaven 10 2993HN Barendrecht               | 0:00 |                                      |
| VG Dreeshof 7 3274CC Heinenoord                  | 2:06 |                                      |
| vG Meeshaven 16 2993HN Barendrecht               | 0:00 |                                      |
| vH Müllerhaven 78 2993EA Barendrecht             | 0:00 |                                      |
| VH Dorpsstraat 3 3274BB Heinenoord               | 1:47 |                                      |
| vi Steekkant 3 2993DB Barendrecht                | 0:00 |                                      |
| VI Beatrixstraat 46 3274AA Heinenoord            | 0:37 |                                      |
| VJ Oranjestraat 24 3274AK Heinenoord             | 0:34 |                                      |
| vJ Steekkant 8 2993DB Barendrecht                | 0:00 |                                      |
| vK Steekkant 65 2993DB Barendrecht               | 0:00 |                                      |
| VK Avenhil 21 3274CT Heinenoord                  | 4:05 |                                      |
| VL Müllerhaven 20 2993EA Barendrecht             | 0:00 |                                      |
| VL Irenestraat 42 3274AE Heinenoord              | 0:52 |                                      |
| VM Kröllerhaven 17 2993ED Barendrecht            | 0:00 |                                      |
| VM Irenestraat 5 3274AD Heinenoord               | 0:42 |                                      |
| vN Steurwater 3 2993DE Barendrecht               | 0:00 |                                      |
| VN Prof. Teldersstraat 53 3274MC Heinenoord      | 6:58 |                                      |
| vO Steekkant 97 2993DB Barendrecht               | 0:00 |                                      |
| VO Wouter van den Walestr 38 3274CS Heinenoord   | 1:07 |                                      |
| VP Martin Luther Kingstraat 22 3274CK Heinenoord | 1:35 |                                      |
| vP Vederhaven 9 2993EB Barendrecht               | 0:00 |                                      |
| vQ Müllerhaven 2 2993EA Barendrecht              | 0:00 |                                      |
| VO Avenhil 33 3274CT Heinenoord                  | 4:39 |                                      |
| vR Vederhaven 19 2993EB Barendrecht              | 0:00 |                                      |
| VR Oosteinde 4 3274KC Heinenoord                 | 3:57 |                                      |
| VS Buitenlanden 3 3274MB Heinenoord              | 8:51 |                                      |
| vS Smithaven 41 2993EC Barendrecht               | 0:00 |                                      |
| VT Martin Luther Kingstraat 64 3274CL Heinenoord | 2:46 |                                      |
| vT Van Hobokenhaven 29 2993HH Barendrecht        | 0:00 |                                      |
| VU Buitenlanden 15 3274MB Heinenoord             | 7:50 |                                      |
| vU Zalmwater 147 2993DX Barendrecht              | 0:00 |                                      |
| vV Swarttouwhaven 64 2993HP Barendrecht          | 0:00 |                                      |
| VV Rietwaard 8 3274MA Heinenoord                 | 6:29 |                                      |
| VW Martin Luther Kingstraat 42 3274CL Heinenoord | 2:05 |                                      |
| vW Aalwater 12 2993DD Barendrecht                | 0:00 |                                      |
| vX Kröllerhaven 55 2993ED Barendrecht            | 0:00 |                                      |
| VX De Laagjes 10 3274CB Heinenoord               | 1:44 |                                      |
| vY Meeshaven 13 2993HN Barendrecht               | 0:00 |                                      |
| VY Martin Luther Kingstraat 16 3274CK Heinenoord | 1:29 |                                      |
| vZ Meeshaven 11 2993HN Barendrecht               | 0:00 |                                      |
| VZ Wouter van den Walestr 78 3274CS Heinenoord   | 1:12 |                                      |
| W Blaaksedijk West 30 3274LE Heinenoord          | 0:00 |                                      |
| •W Achterzeedijk 1 a 49 2991SB Barendrecht       | 3:45 |                                      |
| WA Marijkestraat 12 3274AJ Heinenoord            | 1:07 |                                      |
| wA Koedood 20 2993AL Barendrecht                 | 0:03 |                                      |
| WB Wouter van den Walestr 16 3274CR Heinenoord   | 1:02 |                                      |
| wB Zalmwater 145 2993DX Barendrecht              | 0:00 |                                      |
| WC Talmahof 10 3274CN Heinenoord                 | 1:54 |                                      |
| wC Zalmwater 149 2993DX Barendrecht              | 0:00 |                                      |
| WD Beatrixstraat 27 3274AA Heinenoord            | 0:34 |                                      |
| wD Kröllerhaven 49 2993ED Barendrecht            | 0:00 |                                      |
| wE Zalmwater 135 2993DX Barendrecht              | 0:00 |                                      |
| WE Oosteinde 18 3274KC Heinenoord                | 4:39 |                                      |
| WF Spuibelden 11 3274CM Heinenoord               | 2:17 |                                      |
| wF Steekkant 26 2993DB Barendrecht               | 0:00 |                                      |
| WG Avenhil 17 3274CT Heinenoord                  | 3:28 |                                      |
| wG Steekkant 46 2993DB Barendrecht               | 0:00 |                                      |
| WH Oosteinde 33 3274KB Heinenoord                | 3:23 |                                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 15:11/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No.  | Name | Shadow, expected values              |
|--|------|--------------------------------------|
|  |      | Shadow hours<br>per year<br>[h/year] |
| wH Koedood 23 2993AL Barendrecht                 | 0:00 |                                      |
| WI Avenhil 39 3274CT Heinenoord                  | 4:56 |                                      |
| wI Meeshaven 17 2993HN Barendrecht               | 0:00 |                                      |
| wJ Swarttouwhaven 2 2993HP Barendrecht           | 0:00 |                                      |
| WJ Dorpsstraat 26 3274BD Heinenoord              | 0:36 |                                      |
| wK Steekkant 165 2993DB Barendrecht              | 0:00 |                                      |
| WK Prof. Teldersstraat 25 3274CZ Heinenoord      | 5:41 |                                      |
| wL Meeshaven 4 2993HN Barendrecht                | 0:00 |                                      |
| WL Kooimansland 24 3274CJ Heinenoord             | 1:25 |                                      |
| wM Meeshaven 9 2993HN Barendrecht                | 0:00 |                                      |
| WM De Laagjes 1 3274CB Heinenoord                | 1:40 |                                      |
| WN Hermannushof 8 3274CE Heinenoord              | 2:39 |                                      |
| wN Vederhaven 5 2993EB Barendrecht               | 0:00 |                                      |
| wO Koedood 27 2993AL Barendrecht                 | 0:00 |                                      |
| WO Bernhardstraat 7 3274AB Heinenoord            | 0:36 |                                      |
| wP Swarttouwhaven 4 2993HP Barendrecht           | 0:00 |                                      |
| WP Andries Woutershof 4 3274CA Heinenoord        | 1:52 |                                      |
| WQ Bernhardstraat 18 3274AB Heinenoord           | 0:48 |                                      |
| wQ Swarttouwhaven 6 2993HP Barendrecht           | 0:00 |                                      |
| wR Kröllerhaven 10 2993ED Barendrecht            | 0:00 |                                      |
| WR Spuivelden 19 3274CM Heinenoord               | 2:46 |                                      |
| wS Smithaven 24 2993EC Barendrecht               | 0:00 |                                      |
| WS Kalesland 40 3274CH Heinenoord                | 2:21 |                                      |
| WT Irenestraat 24 3274AE Heinenoord              | 0:49 |                                      |
| wT Kröllerhaven 45 2993ED Barendrecht            | 0:00 |                                      |
| WU Kalesland 30 3274CH Heinenoord                | 2:12 |                                      |
| wU Smithaven 16 2993EC Barendrecht               | 0:00 |                                      |
| WV Kalesland 42 3274CH Heinenoord                | 2:22 |                                      |
| wV Steekkant 151 2993DB Barendrecht              | 0:00 |                                      |
| WW De Laagjes 36 3274CB Heinenoord               | 2:32 |                                      |
| wW Kröllerhaven 35 2993ED Barendrecht            | 0:00 |                                      |
| WX Martin Luther Kingstraat 28 3274CK Heinenoord | 1:44 |                                      |
| wX Steekkant 58 2993DB Barendrecht               | 0:00 |                                      |
| WY Prof. Teldersstraat 45 3274MC Heinenoord      | 6:49 |                                      |
| wY Ruyshaven 1 2993HM Barendrecht                | 0:00 |                                      |
| wZ Zalmwater 137 2993DX Barendrecht              | 0:00 |                                      |
| WZ Oranjestraat 28 3274AK Heinenoord             | 0:38 |                                      |
| X Reedijk 4 3274KE Heinenoord                    | 0:05 |                                      |
| *X Achterzeedijk 1 a 50 2991SB Barendrecht       | 4:02 |                                      |
| XA John F. Kennedystraat 75 3274CG Heinenoord    | 4:54 |                                      |
| xA Müllerhaven 38 2993EA Barendrecht             | 0:00 |                                      |
| xB Steekkant 18 2993DB Barendrecht               | 0:00 |                                      |
| XB Thorbeckehof 7 3274CP Heinenoord              | 2:48 |                                      |
| xC Steekkant 21 2993DB Barendrecht               | 0:00 |                                      |
| XC Abraham Kuyperhof 13 3274CW Heinenoord        | 4:40 |                                      |
| xD Vederhaven 13 2993EB Barendrecht              | 0:00 |                                      |
| XD John F. Kennedystraat 51 3274CG Heinenoord    | 2:35 |                                      |
| xE Van Hobokenhoven 17 2993HH Barendrecht        | 0:00 |                                      |
| XE John F. Kennedystraat 17 3274CG Heinenoord    | 1:29 |                                      |
| xF Kabbelkant 12 2993DC Barendrecht              | 0:00 |                                      |
| XF Oranjestraat 21 3274AK Heinenoord             | 0:45 |                                      |
| xG Müllerhaven 14 2993EA Barendrecht             | 0:00 |                                      |
| XG Avenhil 38 3274CT Heinenoord                  | 4:49 |                                      |
| xH Steekkant 71 2993DB Barendrecht               | 0:00 |                                      |
| XH De Laagjes 14 3274CB Heinenoord               | 1:56 |                                      |
| XI Emmastraat 9 3274AC Heinenoord                | 0:42 |                                      |
| xi Swarttouwhaven 50 2993HP Barendrecht          | 0:00 |                                      |
| XJ Abraham Kuyperhof 4 3274CW Heinenoord         | 4:10 |                                      |
| xJ Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| xK Koedood 29 3161GE Rhoon                       | 0:00 |                                      |
| KK Boerengorzen 6 3274CV Heinenoord              | 4:54 |                                      |
| XL Kalesland 17 3274CH Heinenoord                | 2:24 |                                      |
| xL Weerkant 60 2993DA Barendrecht                | 0:00 |                                      |

To be continued on next page...

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values<br>per year<br>[h/year] | Shadow hours |
|-----|---|---|--------------|
| xM  | Spieringwater 1 2993DM Barendrecht            | 0:00  |              |
| XM  | Julianalaan 36 3274AG Heinenoord              | 0:29  |              |
| xN  | Weerkant 134 2993DA Barendrecht               | 0:00  |              |
| XN  | Beatrixstraat 54 3274AA Heinenoord            | 0:38  |              |
| xO  | Harderwater 78 2993DW Barendrecht             | 0:00  |              |
| XO  | Talmahof 3 3274CN Heinenoord                  | 1:32  |              |
| XP  | Heyne van Althenastraat 16 3274CD Heinenoord  | 1:38  |              |
| xP  | Harderwater 76 2993DW Barendrecht             | 0:00  |              |
| XQ  | Martin Luther Kingstraat 56 3274CL Heinenoord | 2:23  |              |
| xQ  | Weerkant 17 2993DA Barendrecht                | 0:00  |              |
| xR  | Kuilkant 167 2993DV Barendrecht               | 0:00  |              |
| XR  | Margrietstraat 10 3274AH Heinenoord           | 0:59  |              |
| XS  | Beatrixstraat 32 3274AA Heinenoord            | 0:36  |              |
| xS  | Weerkant 38 2993DA Barendrecht                | 0:00  |              |
| xt  | Weerkant 14 2993DA Barendrecht                | 0:00  |              |
| XT  | Hermannushof 20 3274CE Heinenoord             | 3:19  |              |
| xU  | Weerkant 132 2993DA Barendrecht               | 0:00  |              |
| XU  | Kalesland 50 3274CH Heinenoord                | 2:30  |              |
| xV  | Weerkant 19 2993DA Barendrecht                | 0:00  |              |
| XV  | Buitenlanden 6 3274MB Heinenoord              | 9:53  |              |
| xW  | Avenhil 1 3274CT Heinenoord                   | 3:38  |              |
| xW  | Harderwater 80 2993DW Barendrecht             | 0:00  |              |
| XX  | Marijkestraat 15 3274AJ Heinenoord            | 0:58  |              |
| xX  | Weerkant 12 2993DA Barendrecht                | 0:00  |              |
| XY  | Abraham Kuyperhof 18 3274CW Heinenoord        | 4:42  |              |
| xY  | Zalmwater 115 2993DX Barendrecht              | 0:00  |              |
| XZ  | Avenhil 43 3274CT Heinenoord                  | 4:18  |              |
| xZ  | Weerkant 112 2993DA Barendrecht               | 0:00  |              |
| Y   | Blaakseindijk West 35 3274LD Heinenoord       | 0:00  |              |
| •Y  | Achterzeedijk 1 a 51 2991SB Barendrecht       | 4:17  |              |
| yA  | Weerkant 76 2993DA Barendrecht                | 0:00  |              |
| YA  | Bernhardstraat 5 3274AB Heinenoord            | 0:35  |              |
| yB  | Weerkant 100 2993DA Barendrecht               | 0:00  |              |
| YB  | Margrietstraat 12 3274AH Heinenoord           | 1:00  |              |
| YC  | De Laagjes 6 3274CB Heinenoord                | 1:39  |              |
| yC  | Weerkant 92 2993DA Barendrecht                | 0:00  |              |
| YD  | Rietwaard 16 3274MA Heinenoord                | 6:22  |              |
| yD  | Weerkant 6 2993DA Barendrecht                 | 0:00  |              |
| YE  | De Laagjes 3 3274CB Heinenoord                | 1:40  |              |
| yE  | Weerkant 46 2993DA Barendrecht                | 0:00  |              |
| yF  | Weerkant 18 2993DA Barendrecht                | 0:00  |              |
| YF  | Abraham Kuyperhof 19 3274CW Heinenoord        | 4:44  |              |
| yG  | Weerkant 64 2993DA Barendrecht                | 0:00  |              |
| YG  | Marijkestraat 10 3274AJ Heinenoord            | 1:03  |              |
| yH  | Weerkant 118 2993DA Barendrecht               | 0:00  |              |
| YH  | Wouter van den Walestr 20 3274CR Heinenoord   | 1:02  |              |
| yI  | Harderwater 49 2993DW Barendrecht             | 0:00  |              |
| YI  | Avenhil 8 3274CT Heinenoord                   | 3:12  |              |
| yJ  | Weerkant 94 2993DA Barendrecht                | 0:00  |              |
| YJ  | Kalesland 66 3274CH Heinenoord                | 2:53  |              |
| yK  | Weerkant 1 2993DA Barendrecht                 | 0:00  |              |
| YK  | Kalesland 2 3274CH Heinenoord                 | 1:51  |              |
| YL  | Zalmwater 125 2993DX Barendrecht              | 0:00  |              |
| YL  | Koomansland 3 3274CJ Heinenoord               | 1:37  |              |
| YM  | Dreeshof 4 3274CC Heinenoord                  | 2:31  |              |
| yM  | Weerkant 114 2993DA Barendrecht               | 0:00  |              |
| yN  | Weerkant 20 2993DA Barendrecht                | 0:00  |              |
| YN  | Buitenlanden 23 3274MB Heinenoord             | 7:26  |              |
| yO  | Weerkant 138 2993DA Barendrecht               | 0:00  |              |
| YO  | Beatrixstraat 19 3274AA Heinenoord            | 0:33  |              |
| YP  | Kalesland 60 3274CH Heinenoord                | 2:48  |              |
| yP  | Weerkant 48 2993DA Barendrecht                | 0:00  |              |
| yQ  | Zalmwater 127 2993DX Barendrecht              | 0:00  |              |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw  
Opstelling 2c  
Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 15:11/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name  | Shadow, expected values |                      |
|-----|---|-------------------------|----------------------|
|     |   | Shadow hours            | per year<br>[h/year] |
| YQ  | Julianalaan 44 3274AG Heinenoord              | 0:28                    |                      |
| yR  | Weerkant 24 2993DA Barendrecht                | 0:00                    |                      |
| YR  | John F. Kennedystraat 14 3274CG Heinenoord    | 4:00                    |                      |
| YS  | Rietwaard 19 3274MA Heinenoord                | 9:35                    |                      |
| yS  | Spieringwater 13 2993DM Barendrecht           | 0:00                    |                      |
| YT  | Wouter van den Walestr 34 3274CR Heinenoord   | 1:03                    |                      |
| yT  | Weerkant 62 2993DA Barendrecht                | 0:00                    |                      |
| YU  | Marijkestraat 17 3274AJ Heinenoord            | 0:58                    |                      |
| yU  | Weerkant 146 2993DA Barendrecht               | 0:00                    |                      |
| YV  | Abraham Kuyperhof 5 3274CW Heinenoord         | 4:08                    |                      |
| yV  | Weerkant 82 2993DA Barendrecht                | 0:00                    |                      |
| yW  | Spieringwater 9 2993DM Barendrecht            | 0:00                    |                      |
| YW  | Heyne van Althenastraat 34 3274CD Heinenoord  | 2:34                    |                      |
| YX  | Beatrixstraat 15 3274AA Heinenoord            | 0:31                    |                      |
| yX  | Weerkant 136 2993DA Barendrecht               | 0:00                    |                      |
| yY  | Weerkant 158 2993DA Barendrecht               | 0:00                    |                      |
| YY  | Heyne van Althenastraat 22 3274CD Heinenoord  | 1:51                    |                      |
| YZ  | Martin Luther Kingstraat 66 3274CL Heinenoord | 2:50                    |                      |
| yZ  | Spieringwater 7 2993DM Barendrecht            | 0:00                    |                      |
| Z   | Blaaksedijk West 37 3274LD Heinenoord         | 0:00                    |                      |
| •Z  | Achterzeedijk 1 a 52 2991SB Barendrecht       | 4:29                    |                      |
| zA  | Weerkant 86 2993DA Barendrecht                | 0:00                    |                      |
| ZA  | John F. Kennedystraat 15 3274CG Heinenoord    | 1:26                    |                      |
| zB  | Weerkant 32 2993DA Barendrecht                | 0:00                    |                      |
| ZB  | Marijkestraat 8 3274AJ Heinenoord             | 0:44                    |                      |
| zC  | Spieringwater 5 2993DM Barendrecht            | 0:00                    |                      |
| ZC  | Rietwaard 4 3274MA Heinenoord                 | 6:15                    |                      |
| ZD  | Kalesland 34 3274CH Heinenoord                | 2:12                    |                      |
| zD  | Weerkant 126 2993DA Barendrecht               | 0:00                    |                      |
| ZE  | Wiardi Beckmanhof 9 3274CX Heinenoord         | 3:19                    |                      |
| zE  | Weerkant 30 2993DA Barendrecht                | 0:00                    |                      |
| zF  | Weerkant 104 2993DA Barendrecht               | 0:00                    |                      |
| ZF  | John F. Kennedystraat 85 3274CG Heinenoord    | 6:52                    |                      |
| zG  | Weerkant 70 2993DA Barendrecht                | 0:00                    |                      |
| ZG  | Avenhil 27 3274CT Heinenoord                  | 4:17                    |                      |
| ZH  | Wiardi Beckmanhof 4 3274CX Heinenoord         | 3:22                    |                      |
| zH  | Weerkant 10 2993DA Barendrecht                | 0:00                    |                      |
| ZI  | Avenhil 2 3274CT Heinenoord                   | 3:33                    |                      |
| zI  | Weerkant 33 2993DA Barendrecht                | 0:00                    |                      |
| zJ  | Weerkant 26 2993DA Barendrecht                | 0:00                    |                      |
| ZJ  | Beatrixstraat 44 3274AA Heinenoord            | 0:37                    |                      |
| zK  | Weerkant 130 2993DA Barendrecht               | 0:00                    |                      |
| ZK  | Irenestraat 9 3274AD Heinenoord               | 0:43                    |                      |
| ZL  | Wouter van den Walestr 74 3274CS Heinenoord   | 1:12                    |                      |
| zL  | Weerkant 4 2993DA Barendrecht                 | 0:00                    |                      |
| ZM  | John F. Kennedystraat 12 3274CG Heinenoord    | 3:42                    |                      |
| zM  | Weerkant 68 2993DA Barendrecht                | 0:00                    |                      |
| zN  | Weerkant 96 2993DA Barendrecht                | 0:00                    |                      |
| ZN  | Talmahof 6 3274CN Heinenoord                  | 1:53                    |                      |
| zO  | Weerkant 34 2993DA Barendrecht                | 0:00                    |                      |
| ZO  | Wouter van den Walestr 60 3274CS Heinenoord   | 1:06                    |                      |
| zP  | Weerkant 31 2993DA Barendrecht                | 0:00                    |                      |
| ZP  | Koimansland 7 3274CJ Heinenoord               | 1:38                    |                      |
| zQ  | Weerkant 148 2993DA Barendrecht               | 0:00                    |                      |
| ZQ  | Talmahof 5 3274CN Heinenoord                  | 1:33                    |                      |
| ZR  | Irenestraat 14 3274AE Heinenoord              | 0:46                    |                      |
| zR  | Weerkant 144 2993DA Barendrecht               | 0:00                    |                      |
| zS  | Weerkant 116 2993DA Barendrecht               | 0:00                    |                      |
| ZS  | Oosteinde 26 3274KC Heinenoord                | 5:50                    |                      |
| ZT  | John F. Kennedystraat 25 3274CG Heinenoord    | 1:37                    |                      |
| zT  | Spieringwater 11 2993DM Barendrecht           | 0:00                    |                      |
| zU  | Weerkant 140 2993DA Barendrecht               | 0:00                    |                      |
| ZU  | Wouter van den Walestr 58 3274CS Heinenoord   | 1:09                    |                      |

To be continued on next page...

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

Opstelling 2c

Windturbine ashoopte:130 meter, rotordiameter: 140 meter

Licensed user:  
Bosch & Van Rijn  
Groenmarktstraat 56  
NL-3521 AV Utrecht  
+31 6 51 71 04 93  
Hans / Hans@boschenvanrijn.nl  
Calculated:  
21-12-2016 15:11/3.0.654

## SHADOW - Main Result

Calculation: Windpark Binnenmaas VKA Bovengrens

...continued from previous page

| No. | Name   | Shadow, expected values |                      |
|-----|--|-------------------------|----------------------|
|     |  | Shadow hours            | per year<br>[h/year] |
|     | zV Weerkant 42 2993DA Barendrecht              | 0:00                    |                      |
|     | ZV Margrietstraat 16 3274AH Heinenoord         | 1:01                    |                      |
|     | ZW Bernhardstraat 1 A 3274AB Heinenoord        | 0:34                    |                      |
|     | zW Weerkant 122 2993DA Barendrecht             | 0:00                    |                      |
|     | zX Weerkant 168 2993DA Barendrecht             | 0:00                    |                      |
|     | ZX De Laagjes 13 3274CB Heinenoord             | 2:02                    |                      |
|     | ZY Marijkestraat 3 3274AJ Heinenoord           | 0:47                    |                      |
|     | ZY Weerkant 80 2993DA Barendrecht              | 0:00                    |                      |
|     | ZZ Wouter van den Walestr 46 3274CS Heinenoord | 1:13                    |                      |
|     | zz Weerkant 106 2993DA Barendrecht             | 0:00                    |                      |

Total amount of flickering on the shadow receptors caused by each WTG

| No. | Name | Worst case | Expected |
|-----|------|------------|----------|
|     |      | [h/year]   | [h/year] |
| 1   | WT1  | 91:11      | 24:40    |
| 2   | WT2  | 78:56      | 18:36    |
| 3   | WT3  | 107:47     | 19:55    |
| 4   | WT4  | 135:47     | 23:27    |
| 5   | WT5  | 226:05     | 48:33    |

Project:  
slagschaduw 20 Dec HK\_V2

Description:  
Slagschaduw

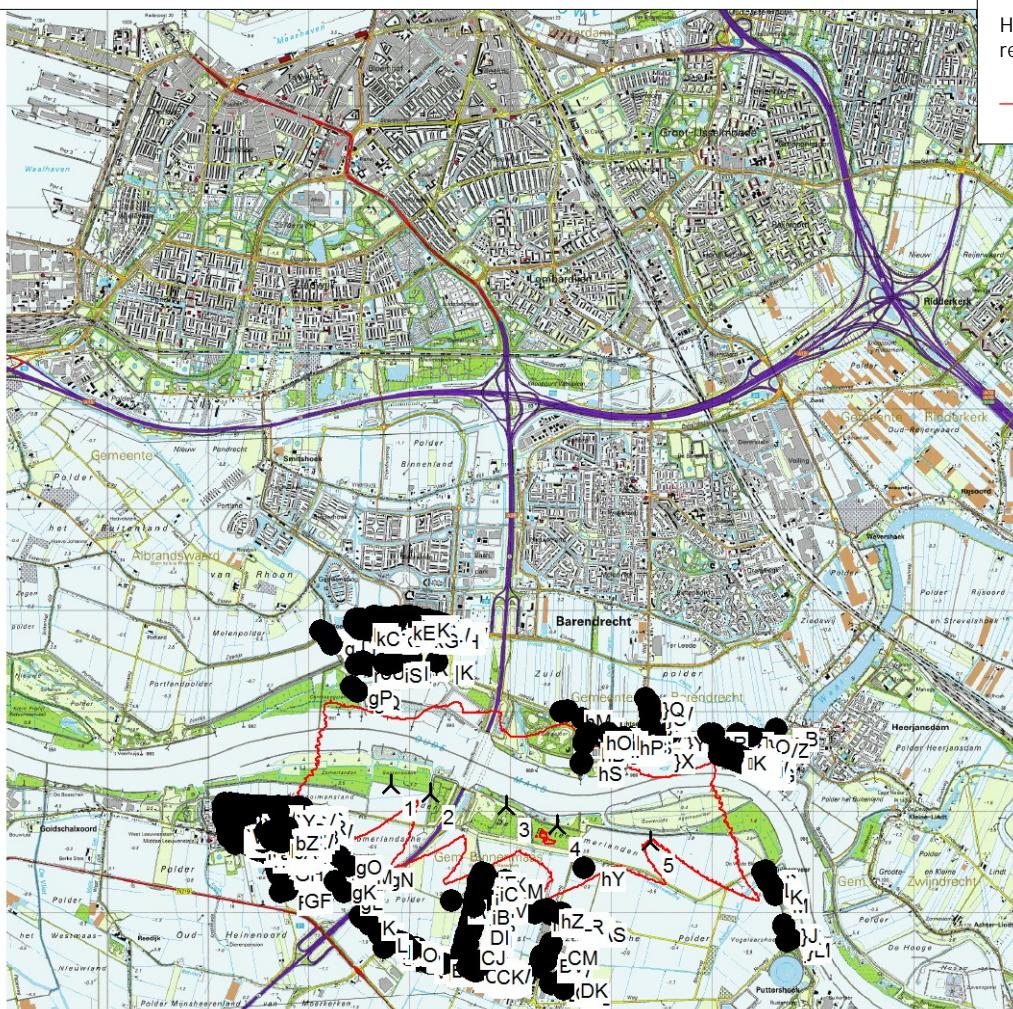
Opstelling 2c

Windturbine ashoogte:130 meter, rotordiameter: 140 meter

Licensed user:  
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Calculated:  
21-12-2016 15:11/3.0.654

## SHADOW - Map

Calculation: Windpark Binnenmaas VKA Bovengrens



0 1 2 3 4 km

Map: Bitmap map: 37H\_Rotterdam\_2004.tif , Print scale 1:75.000, Map center Dutch Stereo-RD/NAP 2000 East: 94.840 North: 427.040

New WTG      Shadow receptor

Flicker map level: 0 m above sea level