

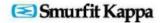
Smurfit Kappa Parenco – Renkum NL

Sustainability is an essential and integral part of our business operations

We are a:

- Frontrunner in sustainability
- Responsible and attractive employer
- Reliable partner for all stakeholders





History of the mill

100+ years of dedicated focus on packaging paper and graphic paper

1598 First paper mill ("The Bock") founded in Renkum, Netherlands	1981 Bankruptcy of Van Gelder; factory continues under "Parenco"	1983 Haindl Paper acquired Parenco	Reparco acquires businesses in Nijmegen and Randstad	2001 Norske Skog acquires Parenco from Haindl Paper	2006 Reorganisation and over €5m investment in Reparco	2012-13 Acquisition of Parenco and Reparco by H2 Equity Partners Reorganization	2017-18 Footprint optimization and investment in the new sorting line at the mill site
	1985 Start of Reparco operations	Reparco acquires Van Irsel	1997 Reparco invests in new 22,000m² site in Nijmegen			and substantial improvement of profitability Divestment of Reparco USA	Divestment of Nijmegen in 2017 and The Hague in 2018
	ATION AND NTOF BUSINESS	<u> </u>	BECOMII WORLDWIDE S			BUILDIN BETTER BUS	
1912	1979	1987	2003-2004	2009	2015	2015-17	
	1010		2003-2004		2015	2015-17	2018

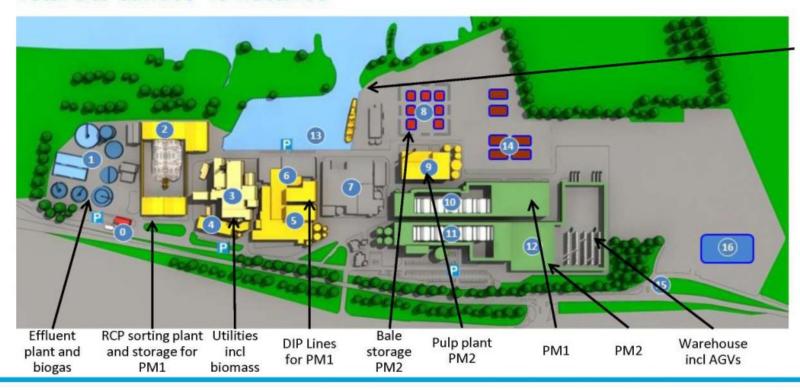
Smurfit Kappa Parenco: 2 PM's

PM1 is a graphical (SC-B) paper machine - PM2 is a packaging paper machine



Smurfit Kappa Parenco- Site lay out

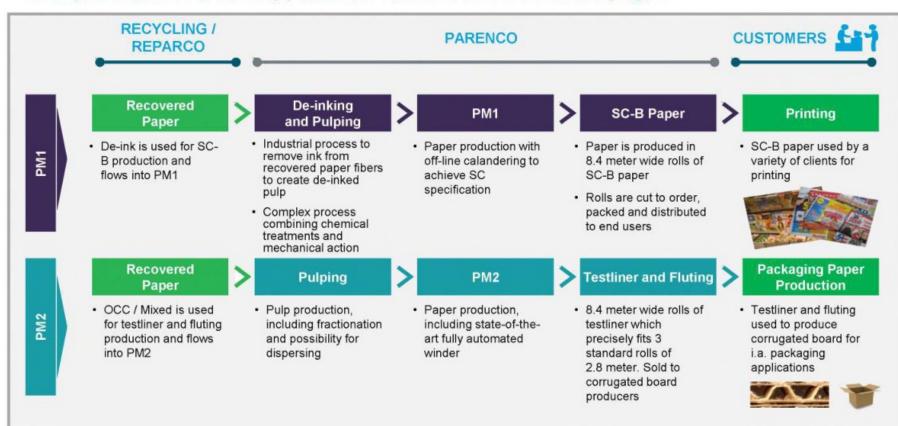
Total site surface 40 hectares



Harbour for coasters upto 1200 tons

Business model overview

Two production lines supplied for 100% with recovered paper





PM1 – graphical paper



Constructed in 1987, rebuild in 1998

Design speed: 1600 m/min

Trimmed width: 8,56 mm

Products: Super Calendared B (SCB)

Grammage: 45 - 56 g/m2

Capacity: 285,000 t/y

PM2 – packaging paper

Build in 1979, rebuild in 2016

Design speed: 1200 m/min

Width: 8,65 m

Products: Fluting and Testliner

Grammage: 80 - 120 g/m²

Capacity: 400.000 t/year

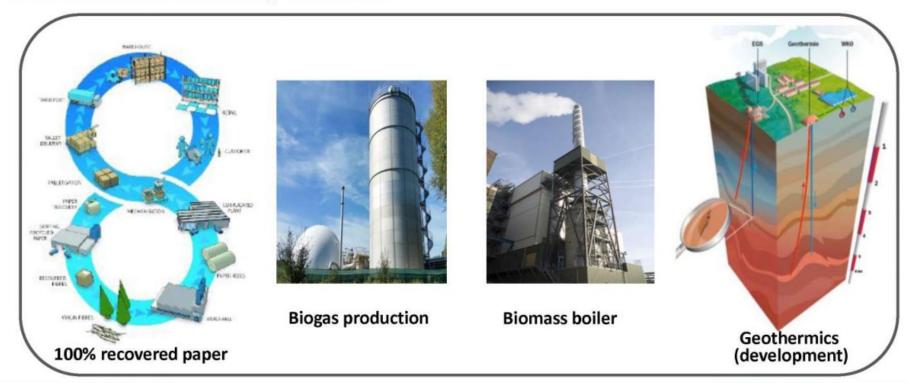


End products

Our product offering is broad and varied



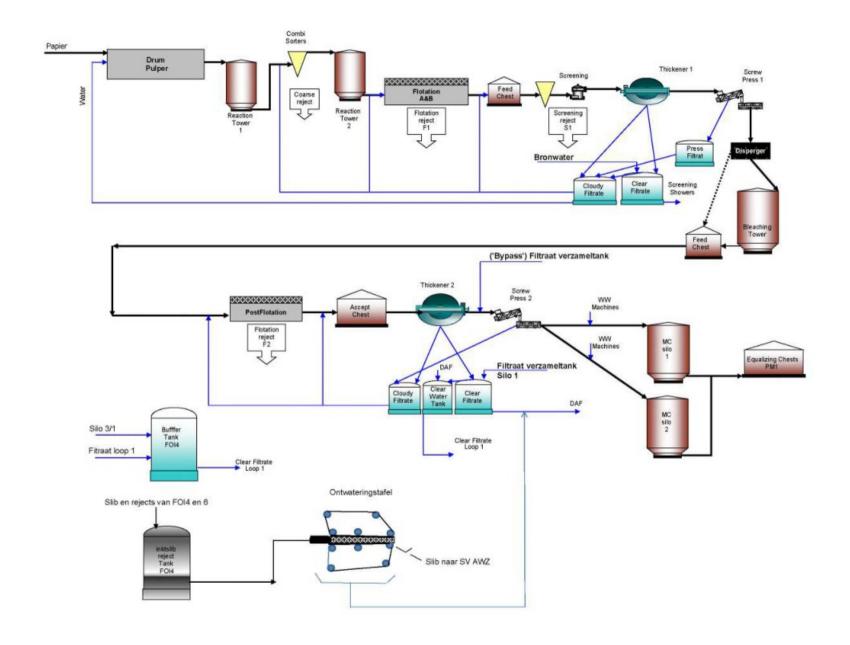
Sustainability
SK Parenco → circularity at its core



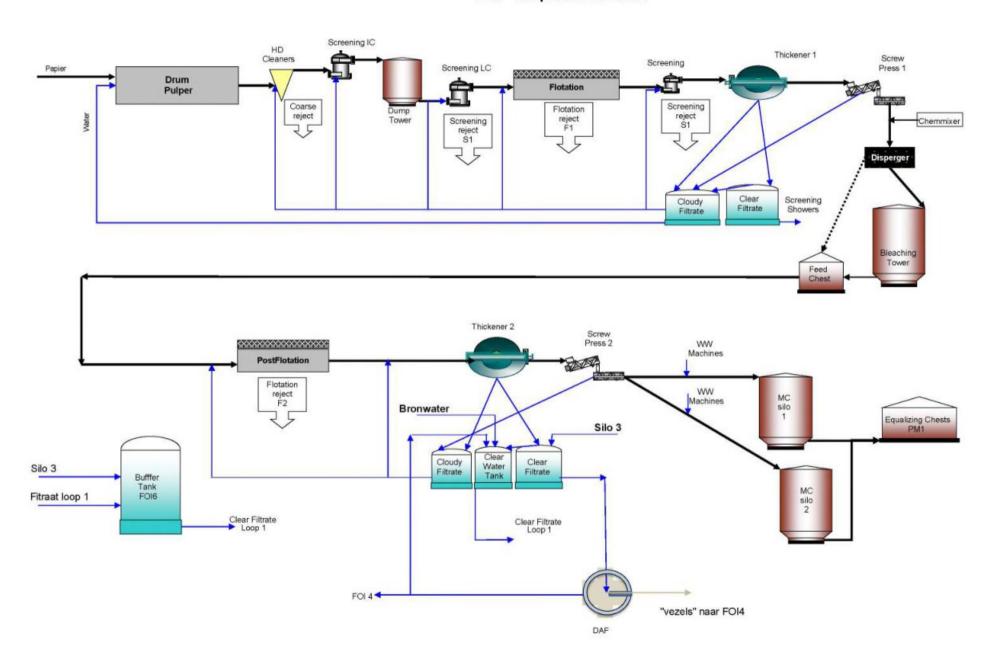
Simplified Flowsheets

- Flotatie-Ontinkting-Installatie (FOI)
- Papermachine 1
- ReCovered Fiber-installatie (RCF)
- Papermachine 2
- Centrale
- Afvalwaterzuiveringinstallatie

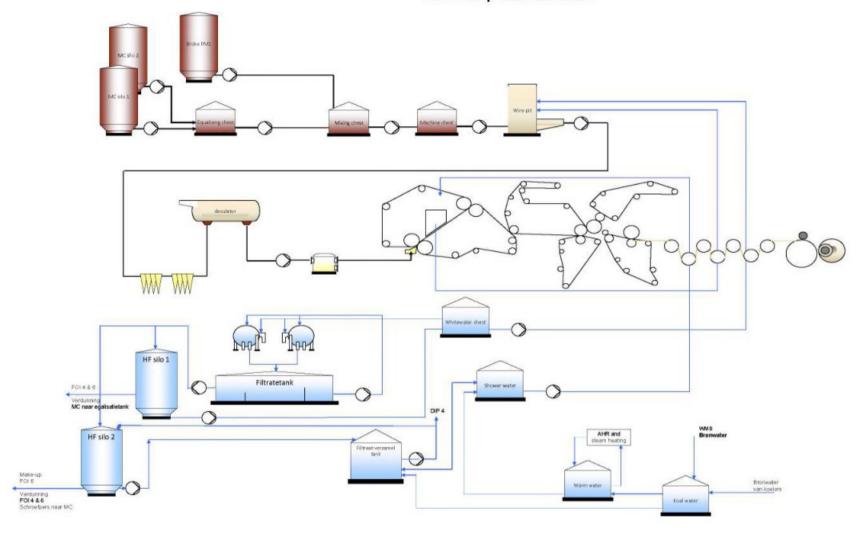
FOI4 - Simplified Flowsheet



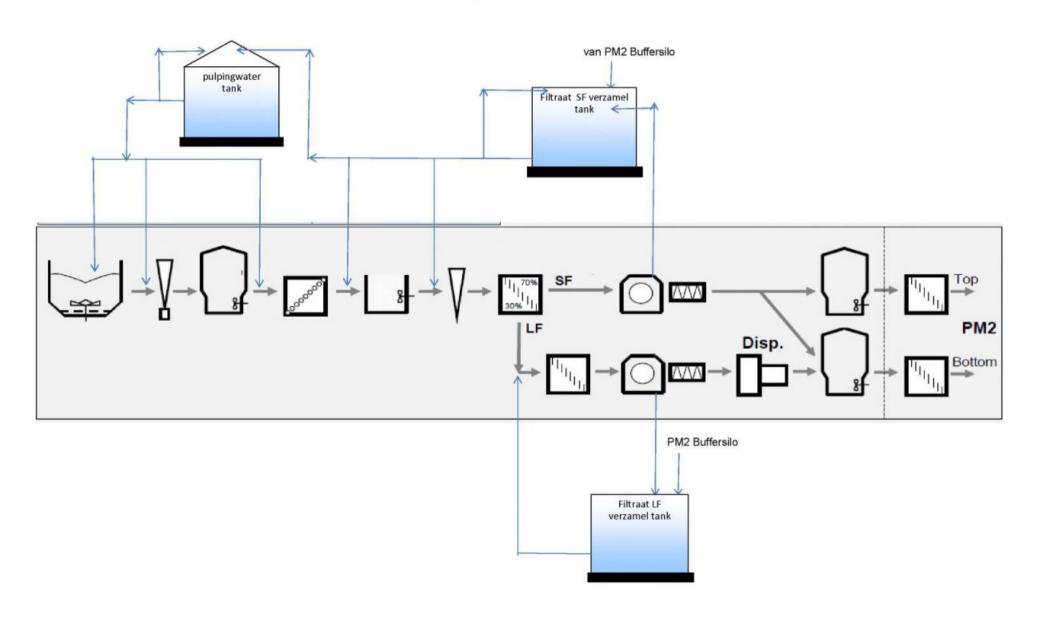
FOI6 - Simplified Flowsheet



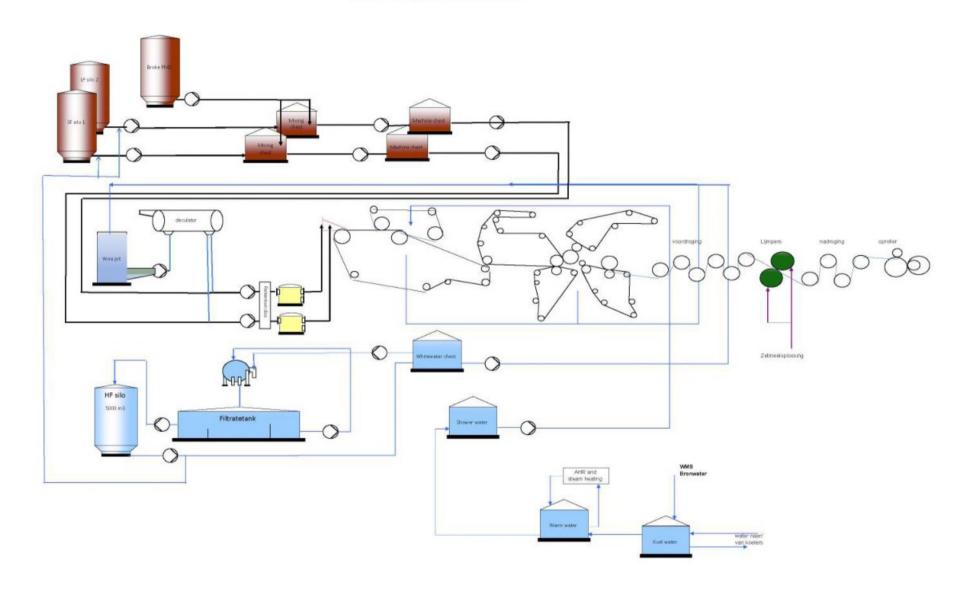
PM1 - Simplified Flowsheet



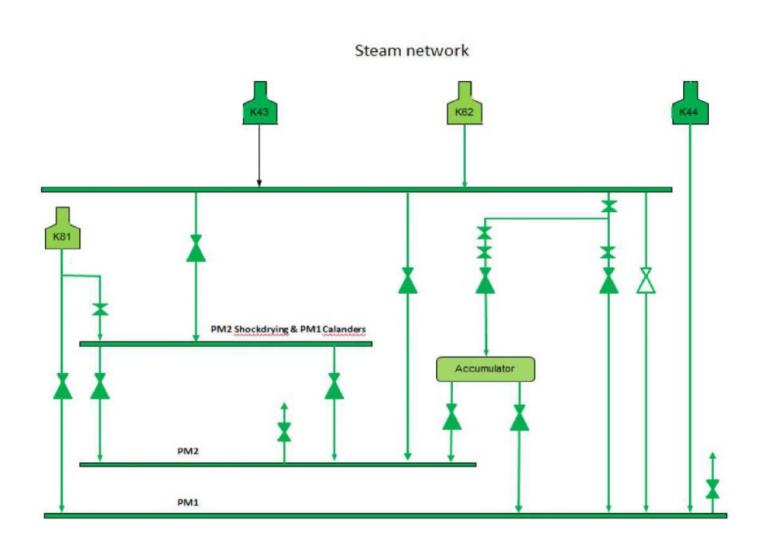
RCF - Simplified Flowsheet



PM2 - Simplified Flowsheet



Centrale - Simplified Flowsheet



AWZI - Simplified Flowsheet

