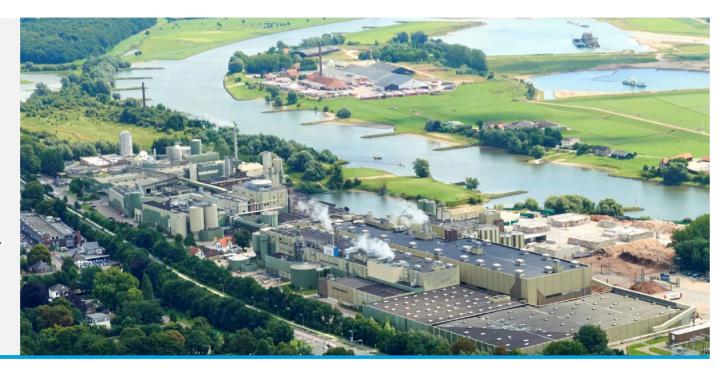


Smurfit Kappa Parenco – Renkum NL

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	1981	1983	1989	2001	2006	2012-13	2017-18
First paper mill ("The Bock") founded in Renkum, Netherlands	Bankruptcy of Van Gelder; factory continues under "Parenco" 1985 Start of Reparco operations	Haindl Paper acquired Parenco 1987 Reparco acquires Van Irsel	Reparco acquires businesses in Nijmegen and Randstad 1997 Reparco invests in new 22,000m² site in Nijmegen	Norske Skog acquires Parenco from Haindl Paper	Reorganisation and over €5m investment in Reparco	Acquisition of Parenco and Reparco by H2 Equity Partners Reorganization and substantial improvement of profitability Divestment of Reparco USA	Footprint optimization and investment in the new sorting line at the mill site Divestment of Nijmegen in 2017 and The Hague in 2018
	ATION AND INT OF BUSINESS	1987	BECOMIN WORLDWIDE S		2015	BUILDIN BETTER BUS 2015-17	

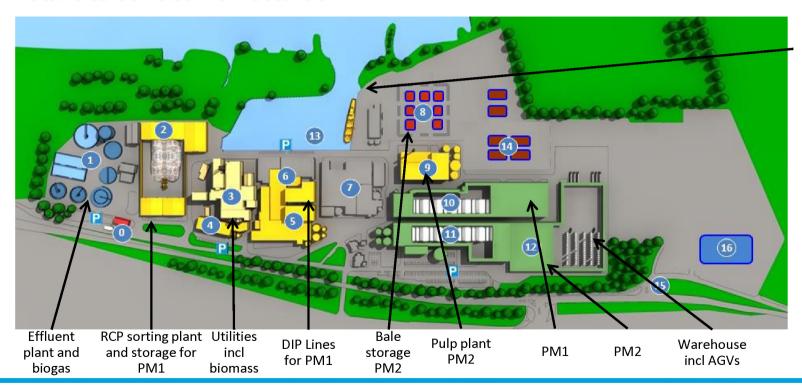
Smurfit Kappa Parenco: 2 PM's

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



Smurfit Kappa Parenco- Site lay out

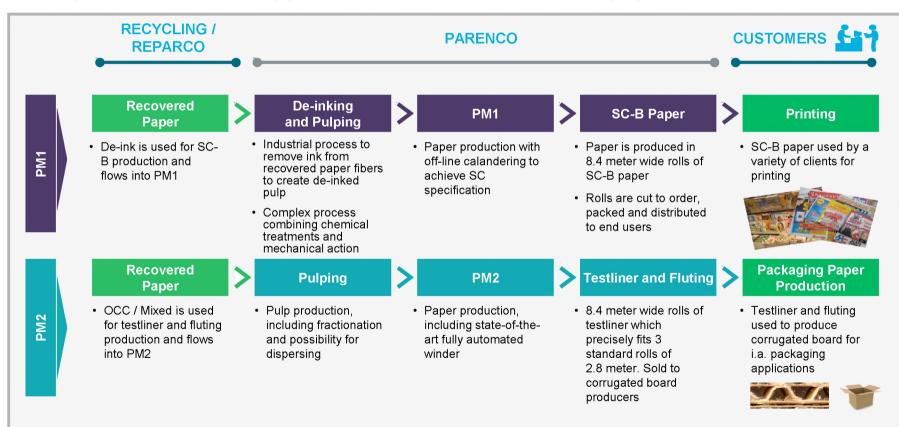
Total site surface 40 hectares



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

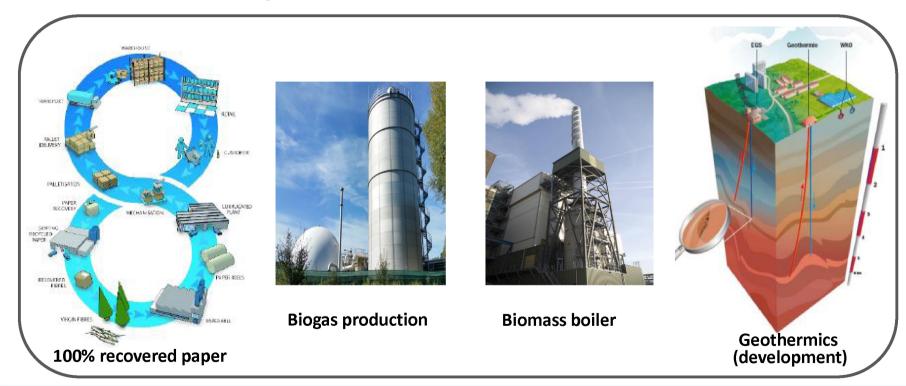


End products

Our product offering is broad and varied



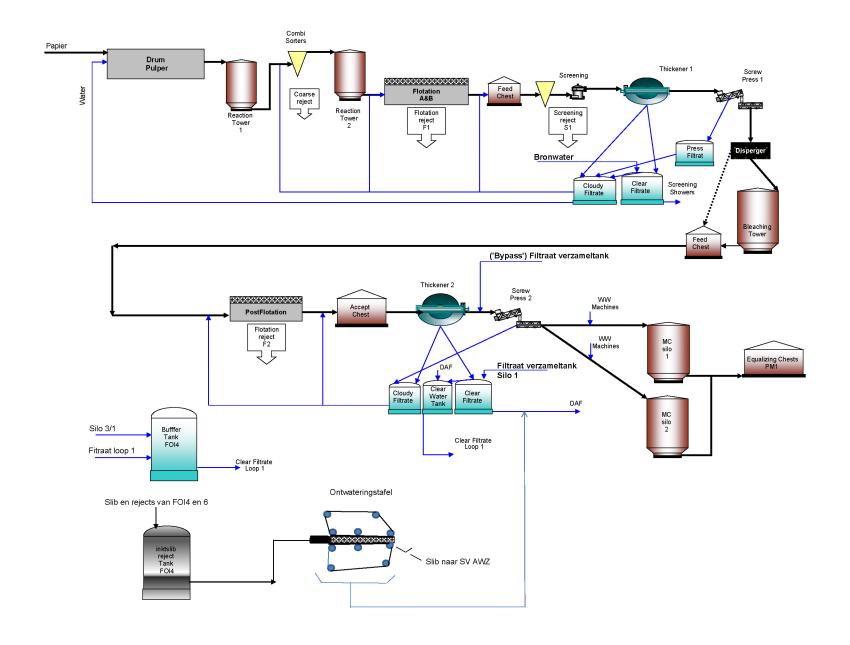
Sustainability
SK Parenco → circularity at its core



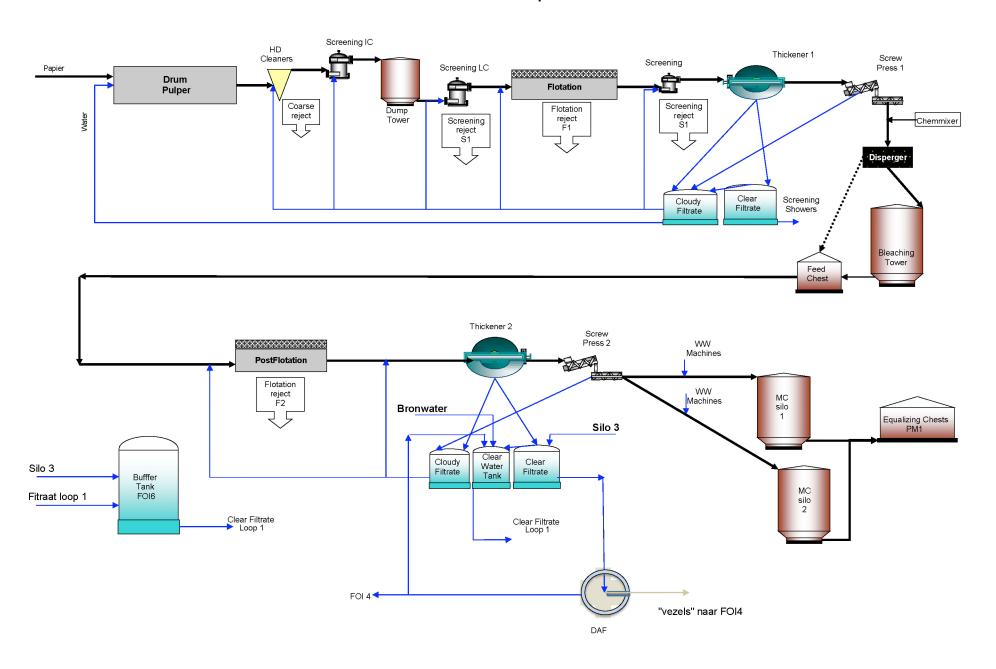
Simplified Flowsheets

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

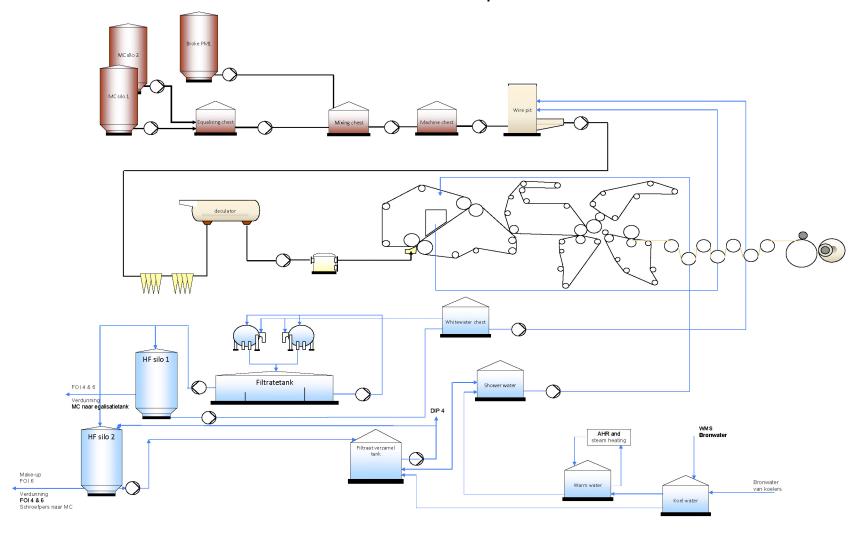
FOI4 - Simplified Flowsheet



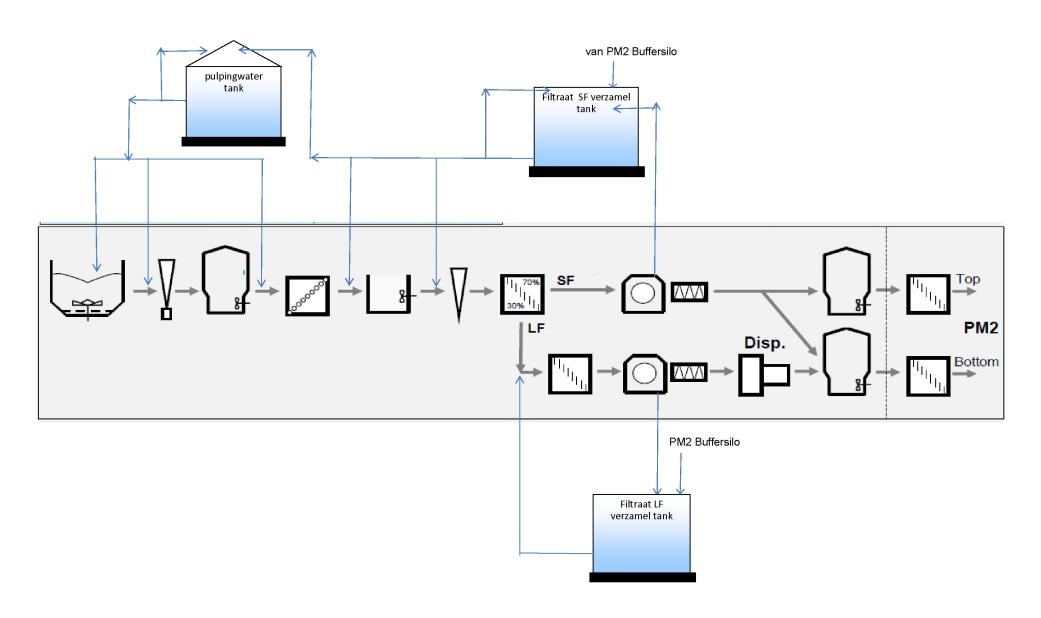
FOI6 - Simplified Flowsheet



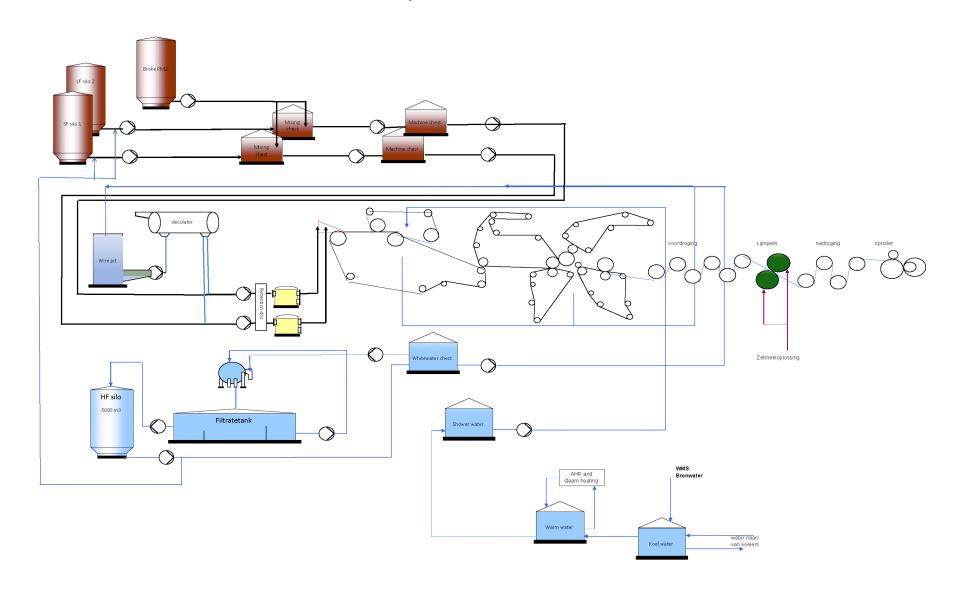
PM1 - Simplified Flowsheet



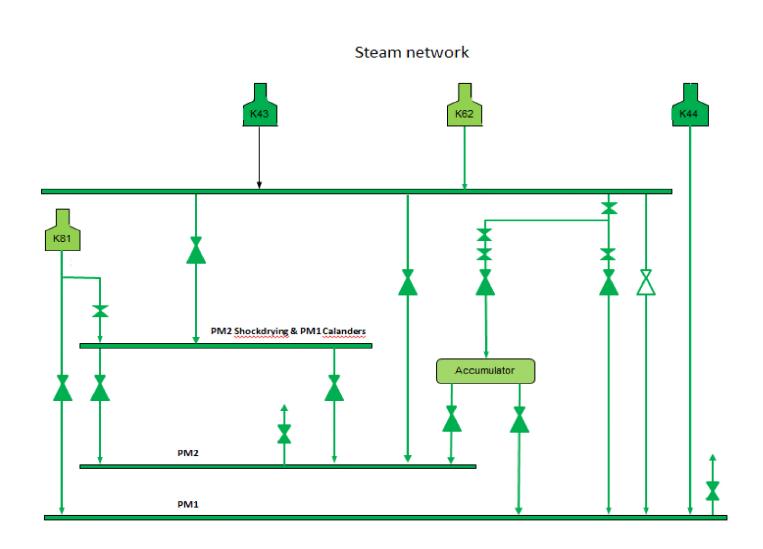
RCF - Simplified Flowsheet



PM2 - Simplified Flowsheet



Centrale - Simplified Flowsheet



AWZI - Simplified Flowsheet

