

# General overview Smurfit Kappa Parenco



# 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*

Corporate & Strategy	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 "Parengo"	Haindl Paper acquired Parengo	Reparco acquires businesses in Nijmegen and Randstad	Norske Skog acquires Parengo from Haindl Paper	Reorganisation and over €5m investment in Reparco	Acquisition of Parengo and Reparco by H2 Equity Partners	Footprint optimization and investment in the new sorting line at the mill site
		1985	1987	1997			Reorganization and substantial improvement of profitability	Divestment of Nijmegen in 2017 and The Hague in 2018
		Start of Reparco operations	Reparco acquires Van Irsel	Reparco invests in new 22,000m <sup>2</sup> site in Nijmegen			Divestment of Reparco USA	

## FOUNDATION AND DEVELOPMENT OF BUSINESS

## BECOMING A WORLDWIDE SUPPLIER

## BUILDING A BETTER BUSINESS

Mill Development	1912	1979	1987	2003-2004	2009	2015	2015-17	2018
	Van Gelder & Zonen builds paper mill "Renkum 2" on the Rhine shore	Old paper mills of "Renkum 2" are replaced by one new paper mill (PM2)	Parengo builds second paper mill (PM1)	Installation of incinerator (37 MWth)	Parengo idles PM2 and converts PM1 into a SC-B machine	Installation of new sorting line at mill site (€5m)	Conversion of PM2 into a testliner and fluting machine (€86m)	Smurfit Kappa Group acquires Reparengo for €460m as of the 1 <sup>st</sup> of July.
			1989					
			PM2 is modernized		All wood processing lines and one waste paper processing line are stopped	Investment in fully automated warehouse (€3.5m)	Successful ramp-up of PM2 and entrance into containerboard market	



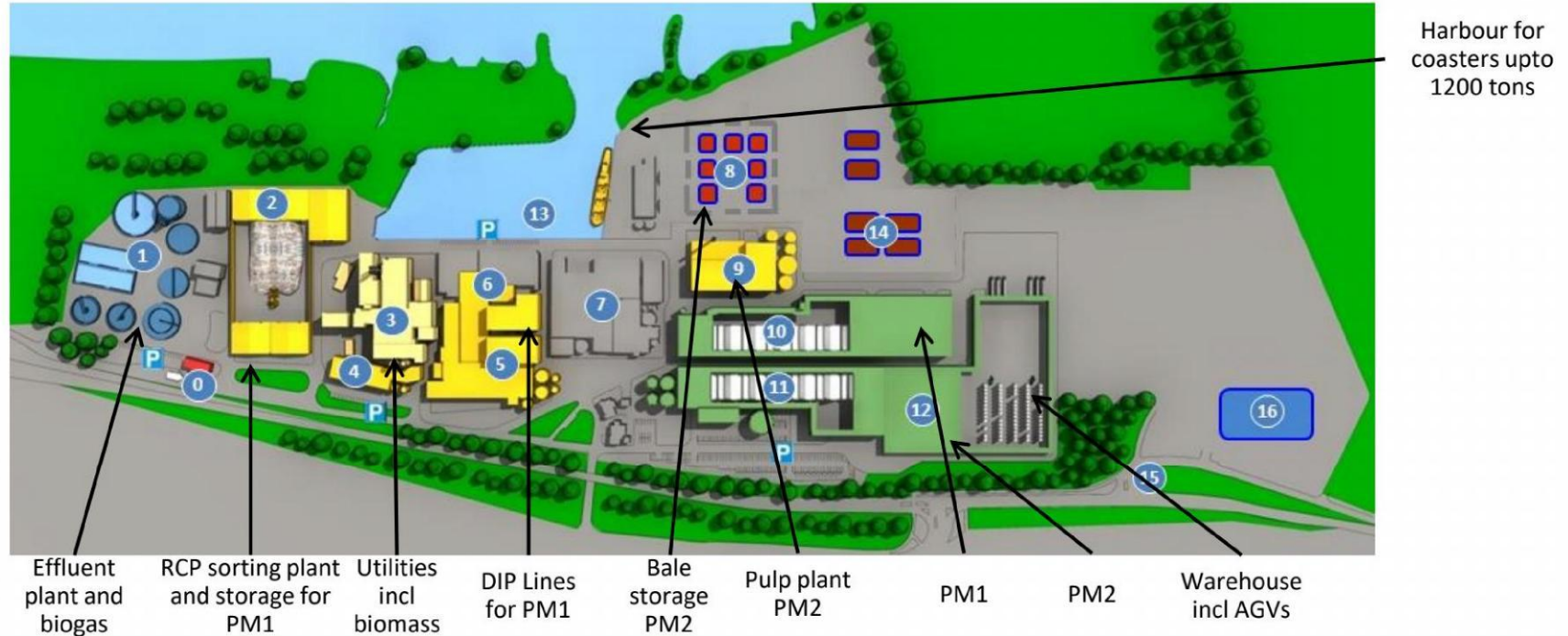
# Smurfit Kappa Parenco: 2 PM's

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



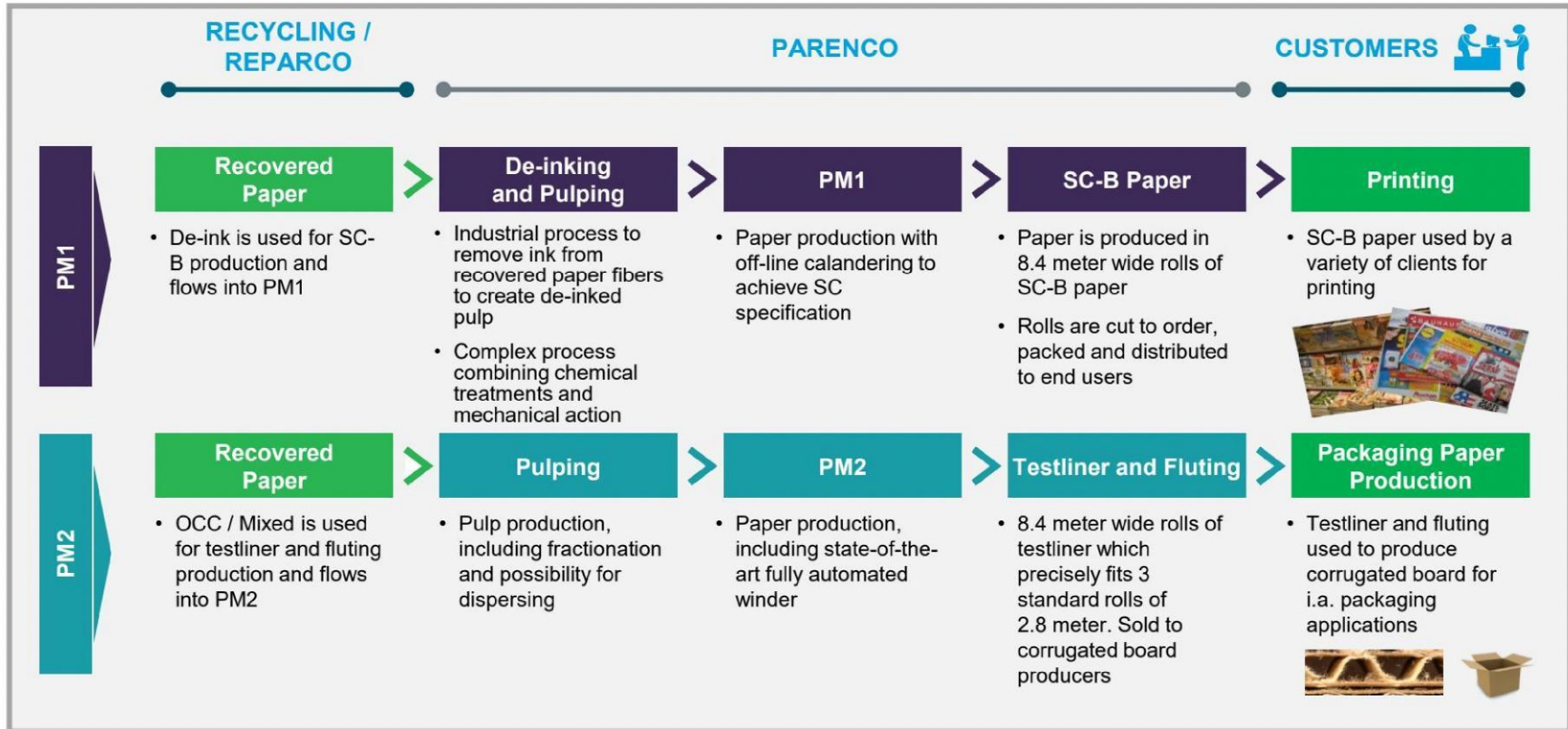
# Smurfit Kappa Parenco- Site lay out

Total site surface 40 hectares



# Business model overview

*Two production lines supplied for 100% with recovered paper*





# SK Parenco's Main assets

PM1



PM2



# PM1 – graphical paper



Constructed in 1987, rebuild in 1998

Design speed: 1600 m/min

Trimmed width: 8,56 mm

Products: Super Calendered B (SCB)

Grammage: 45 - 56 g/m<sup>2</sup>

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/m<sup>2</sup>

Capacity: 400.000 t/year



# End products

Our product offering  
is broad and varied



# Sustainability

SK Parenco → circularity at its core



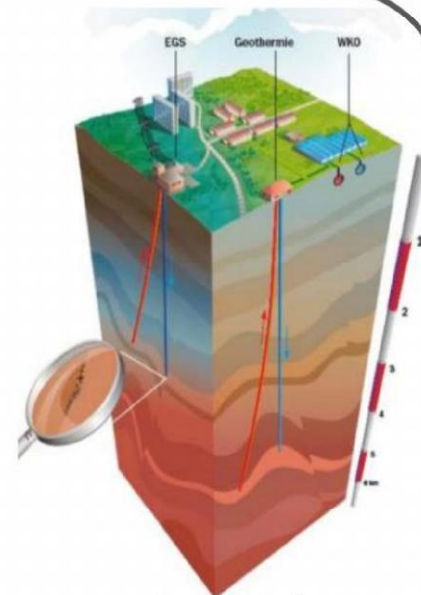
100% recovered paper



Biogas production



Biomass boiler



Geothermics  
(development)