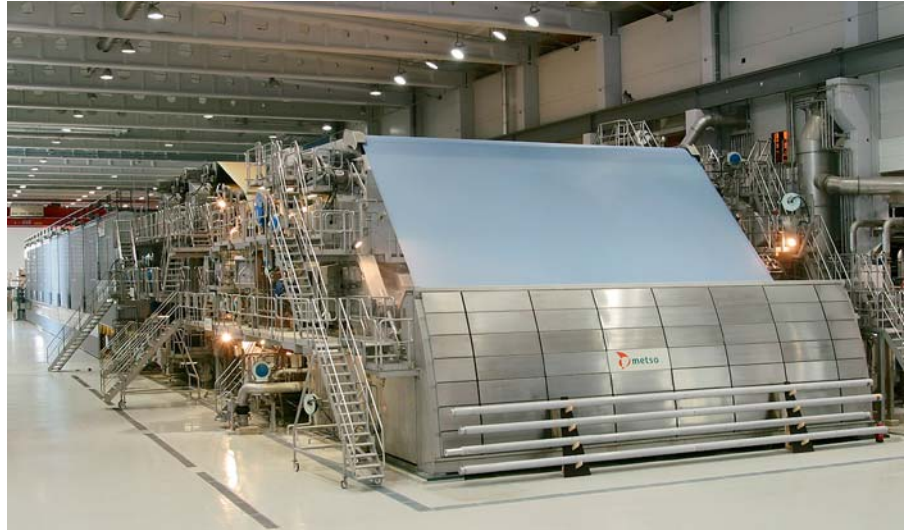


# Stora Enso Newsprint Langerbrugge Mill, L4 Project, Ghent Belgium



**A newsprint line with a production capacity of 400 000 t/a.**

## PÖYRY SERVICES

- pre-feasibility study
- feasibility study
- engineering management
- time scheduling
- process engineering
- mechanical and piping engineering
- civil engineering
- HVAC basic engineering
- electrical engineering
- process control engineering
- engineering tools: 3D Model, ProElina, WebPub, DocHotel
- assistance in erection supervision
- assistance in commissioning and start-up

## Schedule

Started up May 31, 2003.  
Project implementation time 17 months  
from main machine purchase to start-up.

## TECHNICAL DATA

### Product

Standard newsprint in the grammage range 40-52 g/m<sup>2</sup>

### Raw material

Recovered paper

### Deinking plant

- two lines
- production capacity 1260 BDt/d
- main suppliers: Andritz, Voith
- recovered paper storage 14 000 m<sup>2</sup>

### Paper machine

- PM4 supplier: Metso Paper
- production capacity 400 000 t/a
- furnish 100 % deinked pulp
- production speed 2000 m/min
- wire width 11 100 mm
- trim width after winder 10 350 mm
- OptiSoft SlimLine on-line calender
- 2 winders WinBelt L
- 1 rewinder WinBelt SR
- paper storage extension 6500 m<sup>2</sup>

## Power plant

- biofuel boiler 65 t/h steam  
- supplier: AE&E
- turbogenerator 12 MVA  
- supplier: Siemens
- auxiliary boilers 2 x 40 t/h steam  
- supplier: HKB
- process heat and electricity deficit covered by purchase from external power plant

## Fresh water treatment plant

- new softening plant and sand filtration added to existing water treatment  
- supplier: Purac

## Effluent treatment

- new bioreactors added to existing effluent treatment  
- supplier: Purac

## Automation

- main supplier for process and machine control: Metso Automation

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