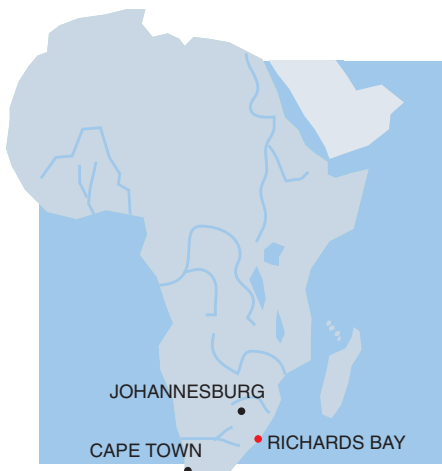


Mondi RB720 Project
Richards Bay
Republic of South Africa



Pöyry's offices in South Africa and Finland provided project management and complete engineering services for the RB720 project.

PÖYRY SERVICES

Engineering services for the Mondi RB720 project were provided by Pöyry's offices in South Africa and Finland. As EPCM contractor Pöyry's services included complete detail engineering for the extension of the recovery island, fibre line and pulp drying machine.

- project management
- procurement assistance
- process engineering
- electrical engineering
- process control engineering
- automation system engineering
- scheduling
- commissioning and start-up planning
- expediting of machine and equipment deliveries
- piping, electrical and instrumentation installation supervision
- commissioning and start-up assistance

Main milestones

- project go-ahead decision: February 21, 2003
- start-up of new drying machine: March 20, 2004
- start-up of new fibre line: January 29, 2005

TECHNICAL DATA

Wood handling

- two new chip screens from Andritz
- chip feed to continuous digester

New fibre line

- 2057 ADt/d continuous digester plant from AkerKvaerner
- new bleaching plant from AkerKvaerner (sequence D-(OP)-D-D, target brightness HW: 91 % ISO)

Existing fibre line

- new screening equipment from Andritz

Oxygen delignification

- new post-oxygen washing from AkerKvaerner
- increase in capacity of existing O₂-equipment

Rebuild of drying machine

- equipment supplied by Andritz
- capacity: 1600 ADt/d, trim width 6.8 m
- two baling lines

Evaporation plant

- new evaporation plant of 798 t H₂O/h from Andritz

Rebuild of recausticising plant

- capacity 7200 m³WL/d
- new white liquor and lime mud (1100 t/d) filters by GL&V

New lime reburning kiln

- new kiln from FFE Minerals, capacity 650 t lime/d

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Competence. Service. Solutions.

ESP recovery boiler 2

- new ESP from FLS Airtech A/S

New cooling towers

- 3 units, total capacity 6480 m³/h

Malodorous gas handling

- burning of strong malodorous gases in lime kiln and in a stand-by burner
- washing of diluted gases from fibre line and recovery area

Mill site

- balance of plant activities, including design of new pipe bridges and connections between departments

Process control

- centralised control room for the new fibre line
- process control system from Metso Automation
- Profibus PA control system for new departments