Reference stories

P.T. Riau Andalan Pulp & Paper, Sumatra, Indonesia
Kerinci Mill Expansion Project



Mill description

International Paper (IP) is building a chemi-mechanical Riau Andalan Pulp & Paper (RAPP) is part of the April Group, a major pulp and paper producer in South East Asia. Between 1996-2006 RAPP expanded its pulp production capacity, which now reaches 2,000,000 t/year.

Project areas included

Electrification

- Fiber Line 2
- Turbine Generator 6
- Power Boiler RPE#3
- Paper Machine 2

Sectional Drives

- Paper Machine 1
- Paper Machine 2

Automation

- Open Control System & Validity Control System
- IMS & Collaborative Production Management Solution

ABB Scope of supply

The Composite Plant delivery included:

- Electrical equipment delivery from Finland
- Sectional drives delivery from Singapore
- Automation delivery from Singapore
- Project management coordinating the Composite Plant delivery
- Project engineering
- Site coordination and logistics
- Supervision of the installation
- Commissioning
- Training
- Post-operational assistance

Start-up 2001-2002

- Fiber line 2
- Turbine generator 6

Start-up 2005-2006

- Power boiler RPE#3
- Paper Machine 2





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Material delivery

- Power distribution control system (incl. synchronizing system)
- Emergency load shedding system
- Disturbance event recorder system
- 20 kV switchgear, type MH
- 6.6 kV switchgear, type MH
- 6.6 kV power factor correction
- Distribution transformer units
- MCCs for 690 V and 400 V loads
- 6.6 kV motors of HXR type
- LV motors of M2AA and M2BA type
- Sectional drives
- Single drives of ACS600 type
- OCS system of ABB Advant type
- OCS system of xA800 type
- Aluminium cables trays

Human Recources

- Composite plant coordinator
- Project managers & engineers, lead engineers from Finland and Singapore
- Design engineers from Finland and Singapore
- Site manager from Finland
- Supervisors from Finland and Singapore
- Commissioning engineers from Finland and Singapore
- Post-operational assistance for six months from Finland

Composite Plant Benefits

- Single source supplier
- Integrated products and systems
- Professional project management
- Comprehensive service
- Local & global ABB resources

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