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
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

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

Human Resources
- 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

Contact Us

ABB Oy
Process Industry
P.O.Box 644
FI-65101 Vaasa, Finland
Telephone +358 10 22 11
Fax +358 10 22 43829

ABB Industry PTE Ltd
Industrial System Division
No.2 Ayer Rajah Crescent
Singapore 13995
Telephone +65 773 8758
Fax +65 779 1206

www.abb.com/pulpandpaper

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