

### Amakhulu – Paper Plant

**LOCATION:** Amakhulu, South Africa

**SYSTEM/TECHNOLOGY:** Siemens S7, SIPROTEC

**SERVICES:** Production monitoring, Commissioning, Project management, Site management, Basic-engineering and pre-engineering, Detail engineering, Installation supervision

**INDUSTRY BRANCH/TYPE OF PLANT:** Large Plants, Power plants, Industrial systems

**CLIENT:** Siemens PGI

**PROJECT SIZE:** EUR 300,000

#### Project description

The South African corporation Sappi is a global leader in paper and pulp manufacturing. The company group not only manages its own forests, it is also increasingly supplying its production facilities from its own power plants. In 2006, it was decided to expand an existing plant by one additional turbine. INP International Projects was contracted by Siemens to provide planning, construction, and commissioning of the turbine and generator monitoring system for the planned expansion, using the Siemens six-pack standard.

#### INP Services

- Hardware and cable planning
- Controls enclosure planning, manufacture, and testing of turbine and generator monitoring enclosures, 24VDC distribution, 110VDC distribution and low-voltage distribution 660VAC
- Programming of turbine controls and turbine protection
- Parameterization and programming of generator protection and synchronization
- Installation supervision and commissioning of the generator protection and synchronization

#### POINTS OF CONTACT



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