

Atlantis/Mossel Bay – Gas Turbine Power Plant

LOCATION: Atlantis/Mossel Bay, South Africa

SYSTEM/TECHNOLOGY: Siemens Siprotec, T3000

SERVICES: Commissioning, Basic-engineering and pre-engineering, Detail engineering, Maintenance

INDUSTRY BRANCH/TYPE OF PLANT: Power Generation, , Power plants

CLIENT: Siemens Ltd., Südafrika

PROJECT SIZE: EUR 250,000

Project description

The South African power supply firm ESKOM is the biggest electricity producer in Africa and the seventh largest in the world. ESKOM operates several large power plants, including the world's largest coal-fired power plant or the only nuclear power plant on the African continent. More power plants are planned or their constructions are already in progress. In two currently constructed gas turbine power stations in Atlantis (Cape Town) and Mossel Bay, INP supported Siemens in South Africa with personnel for commissioning and installation supervision of the turbines, each with 147 MW. For the extension of five to nine gas turbines in Atlantis and two to five gas turbines in Mossel Bay (in total 2058 MW) Siemens South Africa assigned INP South Africa with the electrical commissioning and installation management.

INP services

- Electrical commissioning
 - Switchgear (control room)
 - Generator protection
 - Generator synchronization
 - Voltage regulation
- Installation supervision
- Planning and commissioning of the power plant control system in T3000

POINTS OF CONTACT



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