INP Reference

Mega-Project in Egypt - Combined Cycle Power Plant

LOCATION: Beni Suef, Burullus, New Capital in Egypt

SYSTEM/TECHNOLOGY: 3 x 4,8 Gigawatt (GW) Combined Cycle Power Plant

SERVICES: Commissioning, Quality assurance, Site management, Installation supervision

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

CLIENT: Siemens AG

PROJECT SIZE: > 10 m EUR

Project description

INP assisted Siemens AG with the construction of three CCPP in Egypt. Each of the three power plants is powered by eight SGT5-8000 H-class gas turbines, 4 steam turbines, 12 generators, 8 Siemens heat recovery steam generators, 12 transformers as well as a 500-kilovolt gas-insulated switchgear. To improve the resilience of Egypt's power grid, six substations that will transmit electricity generated by the new power plants were successfully energized. The three plants located in Beni Suef, Burullus and New Capital generate power with a total net efficiency of over 61 %. The construction of all three power plants only took about 27.5 months.

POINTS OF CONTACT



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Leistungen INP

- Supervision of civil works and steel structure
- Supervision for mechanical and electrical/I&C erection
- QA/QC
- HSE
- Electrical, I&C and mechanical commissioning
- Execution of mechanical modification of blade-work (welding)
- Execution of hot insulation
- Supply of personnel for steels structures and pipe support
- Supply of personnel for site administration
- Supply of personnel for scheduling/planning