

### 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.

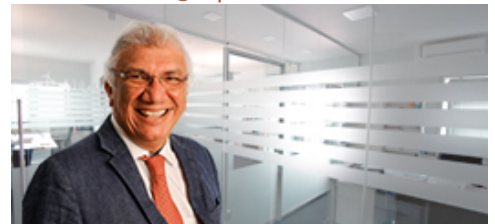
#### Leistungen INP

- 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

#### POINTS OF CONTACT



**Herbert Schaal**  
Geschäftsführer  
INP Egypt LLC  
Villa 19, Yassmin 7  
1st Settlement New Cairo  
Ägypten  
Tel. +20 223097128  
[herbert.schaal@inp-e.com](mailto:herbert.schaal@inp-e.com)



**Alaa Kamal**  
Geschäftsführer  
INP Egypt LLC  
Villa 19, Yassmin 7  
1st Settlement New Cairo  
Ägypten  
Tel. +20 223097128  
[alaa.kamal@inp-e.com](mailto:alaa.kamal@inp-e.com)  
[www.inp-e.com](http://www.inp-e.com)