



Jebel Ali Power Plant & Desalination Complex Gas Turbine Power Plant

Project Description

- Re-commissioning of generator
- Consultation on re-commissioning methods and procedures



Jebel Ali Power and Desalination Complex is the largest single site natural gas power generation facility

Role & Scope

- Method statement development for generator short circuit testing
- Consultation on testing methods and procedures to resume safe operation of generator
- 12 o'clock testing – verification of PT polarity
- Dummy synchronisation test
- Differential stability and sensitivity tests
- Generator short circuit and open circuit tests
- Generator load and load rejection tests – verification of generator capabilities
- Generator operation verification under different load points – reactive power limit verification
- Generator load and heat run

Highlights & Benefits

Thanks to abundance of commissioning expertise INP Schweiz was able to support with re-commissioning preparations and method statement development in a high demand environment such as Jebel Ali Power Plant facility.

Technical Component Details

- 256MVA / 205MW Power Generator
- 300MVA, YNd1 Unit Transformer
- ABB HECS-100L, Generator Circuit Breaker
- Siemens Siprotec-4, 7UM622 Generator Protection System
- Siemens Siprotec-4, 7VE611/7VE632 Synchronisation Relays

REFERENCE



Customer: **Siemens Energy**



Location: **Dubai, UAE**



Project Duration: **3 weeks**



Services: **Method statements for testing and re-commissioning, re-commissioning**

For more information about INP projects and services
visit our website
www.inp-e.ch