

106413-MEC-1OS-E-1986
Operation, Commissioning & Start-up Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 27 years hands-on experience working in operation, commissioning and start-up at Cairo Power Stations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 31/01/1959
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 1986

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Bechtel basics of power plant operation and maintenance (13 months), Shoubra El-Kheima Power Station Thermal Cycle Project (4 units) 315MW.
- : Gas turbine – Generator operations program, General Electric Company (5 weeks in the Site of Cairo North Power Station) (250MW Power Station) (2004) in USA.
- : Operation of combined cycle (Apr./May 2006), Power Plant Training Center (PPTC) – Cairo Electricity Production Company.
- : Operation Gas Compressor & Maintenance, Cimi Company (4 weeks in the Site of Cairo North Power Station) (Jun. 2003).
- : Operation of Traveling water screens and Traversing Trash Rake, INITIC Company (2 weeks in the Site of Cairo North Power Station).
- : Gas turbine Training in DCS control Mark VI & HRSG Training in DCS Mark VIE, General Electric Company (4 weeks in the Site of Cairo North Power Station) (250MW Power Station) (Jul. 2004).
- : Fire protection training course, INITIC Company (for 5 weeks in the Site of Cairo North Power Station).
- : Main and auxiliary transformers operation training course, AREVA Company (for 3 days in the Site of Cairo North Power Station).

- : Job site operation training for HRSG, NEM Company (4 weeks in the Site of Cairo North Power Station) (Oct. 2004).
- : Safe operation & maintenance for pumps, KSB Company (1 week in the Site of Cairo North Power Station) (Apr. 2005).
- : Site Operation Training Steam turbine Generator and Auxiliaries, Alstom Company (4 weeks in the Site of Cairo North Power Station) (Apr. 2008).
- : Site Operation and maintenance of taprogge condenser tube cleaning system and debris filter training, Alstom Company (4 weeks in the Site of Cairo North Power Station) (Apr. 2008).
- : GT CONTROL SYSTEM AND OPERATION STATION HARDWARE ELECTRICAL GENERATOR, TOME in CORPORATION with MITSUBISHI HEAVY INDUSTRIES LTD.
- : Management of Operation Maintenance for Thermal Power Plant (Jun. 2013), Korea.
- : Training course in safety and occupational health, Cairo North Training Center.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2011 till now
- Employer** : Cairo Electricity Production Company
- Project** : Cairo North Power Station Combined Cycle Project (Module II) 750MW
- Job Description** : Combinations, commissioning and start-up & operation for (2x250MW) General Electric MS 9001FA gas turbine frame:
- GT plant arrangement.
 - System description explanation of P&ID.
 - Main feature of gas turbine.
 - LCI operation.
 - Combustion turbine compressor.
 - Operation guide lines and safety feature.
 - Operation logic – Mark VI.
 - Start-up procedure, shutdown procedure.
 - Fuel change over procedure.
 - Spin operation, turbine operation.
 - Main feature of gas turbine auxiliaries.
 - GT electrical package.
 - Explanation of gas turbine control systems.
 - GT inspection.
 - GT troubleshooting.
 - Turbine generator auxiliary systems.
 - Excitation system,

- Dates** : From 2003 till 2011
- Employer** : Cairo Electricity Production Company
- Project** : Cairo North Power Station Combined Cycle Project (Modules I & II) 750MW
- Job Description** : Operation for (2x250MW) Mitsubishi M701F3 gas turbine:
- Mitsubishi gas turbine (2x250MW – Japan) & automation control.
 - Hitachi steam turbine (1x250MW – Japan) & Mark VI.
 - DCS control Foxboro.
 - Two heat recovery steam generator (HRSG) Manufactured by NEM.

- 3 Gas compressors (screw type), two stages, compression ratio 28:42 bar.

Dates : From 1992 till 2003
Employer : Cairo Electricity Production Company
Project : Cairo West Power Station Steam units each 187MW capacity Westinghouse
Job Description :

- Operation Engineer for (4x187MW) steam units - the units operate at natural gas, solar and mazout fuels.
- Operation of GIS equipments 500-220-66-11KV – 400 V.