

Holds a B. Sc. in Electrical Engineering and has about 23 years experience working in operation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/11/1974
Gender : Male
Marital Status : Married
Residence : Helwan

EDUCATION

: B. Sc. in Electrical Engineering, Helwan University, 1999

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: Matlab
: AutoCAD 2D & 3D

TRAINING COURSES AND CERTIFICATIONS

: Operation of gas compressor & maintenance.
: Operation of Combined Cycle.
: Gas turbine - generator operations program.
: Gas turbine training in DCS control Mark VI & HRSG training in DCS Mark VIe.
: Main and auxiliary transformers operation training course.
: Safe operation & maintenance for pumps.
: Repair & maintenance Hi Tension networks (OHTL).
: Washing Hi Tension networks by compressed water live.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2018 till now
Employer : Cairo Electricity Production Co. (CEPC)

Project : North Cairo Power Station (1500MW)
Job title : Shift Operation Engineer

Dates : From Nov. 2015 till 2018
Employer : Arabian Bemco
Project : PP 10 CC Riyadh (3600MW) Power Plant
Job title : Shift Operation Engineer
Job Description : Combined Cycle consists of:

- 40 GT frame 7EA, controlled by Mark 6 and worked by (Distillate or Heavy fuel).
- 40 HRSG model (NEM Co.) HP & LP:
 - Max. allow working pressure:
 - ❖ HP section, 12.90 MPa.
 - ❖ HP ECO section, 19.80 MPa.
 - ❖ LP section, 1.70 MPa.
 - ❖ LP ECO section, 6.30 MPa.
 - Heating Surface:
 - ❖ HP Section, 18932 m2.
 - ❖ HP ECO section, 12318 m2.
 - ❖ LP section, 5672 m2.
 - ❖ LP ECO section, 11730 m2.
 - Max. Designed Steaming Capacity:
 - ❖ HP section capacity 113.654 kg/hr.
 - ❖ LP section capacity 23 ton/hr.
- 10 STG model GE steam turbine SC4 128MW.
- 10 Air-Cooled Generator Brush 162MVA 3600RPM.
- ACC Air Cooled Condenser.
- Vacuum Ejector system with Hogging (Max. Press. 0.5/25 bar – Max. Temp. 300/350 C) & Holding (Max. Press. 0.5/36 bar – Max. Temp. 300/110 C).

Dates : From Mar. 2002 till Nov. 2015
Employer : Cairo Electricity Production Co. (CEPC)
Project : North Cairo Power Station (1500MW)
Job title : Shift Operation Engineer
Job Description :

- Shift Operation Engineer for 2x25MW GE MS9001FA Gas Turbine + 250MW Steam Turbine.
- GE - The Project Management program covered the following topics:
 - GT Plant arrangement.
 - 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.
- ALSTOM - The Project Management program covered the following topics:
 - Steam turbine controller.
 - Steam turbine operation & control.
 - Generator & Auxiliaries.
 - Steam turbine condenser.
 - Excitation system.
 - Vacuum pumps.
- NEM Company:
 - Operation HRSG (3 & 4) with hot reheat sys.
 - Operation auxiliaries HRSG (3 & 4).
 - Operation logic - Mark VIe.
 - Operation 3 gas compressors (A, B, C).
 - Gas compressor (A, B, C).
 - Up to pressure (22 to 32) bar.

Dates : From May 2009 till Aug. 2009
Employer : Saudi Electricity Co.
Project : PP9
Job title : Shift Operation Engineer
Job Description :

- Summer support in PP9.
- Consists of 32 GT unit frame 7EA 104KVA controlled by Mark 6 and worked by (Distillate or Heavy Fuel or Gas) and the system contain of TIAC system (cooling inlet air temperature).

Dates : From May 2008 till Aug. 2008
Employer : Saudi Electricity Co.
Project : PP9
Job title : Shift Operation Technical Advisor Engineer
Job Description :

- Summer support in PP9.
- Block C – 10 GE gas turbines frame 7EA controlling by Mark VI speed tronic.

Dates : From Sep. 2000 till Feb. 2002
Employer : Egyptian Company for transfer electricity
Job title : Maintenance Engineer
Job Description :

- Maintenance of 220KV overhead TL.
- Maintenance of 66KV overhead TL.
- Maintenance of substation element.
- Section Head of live tension dept.
- Training Technicians for maintenance at live lines or dead lines.
- Maintenance of towers of OHTL.