

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 11 years hands-on experience, including 10 years working in operation, commissioning and start-up at El-Kureimat Power Station.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 04/10/1982  
Gender : Male  
Marital Status : Married  
Residence : Giza, Cairo

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2005

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Off-shore training in Mannheim, Germany on Steam turbine by Alstom Company.
- : At El-Kureimat Training Center and site in Egypt:
  - Basic operation course in El-Kureimat for steam power plant.
  - On-site training for Operation GE gas turbine module MS9001FA.
  - On-shore training on ALSTOM steam turbine.
  - On-shore training on Heat Recovery Steam Generator (HRSG) by CMI Company.
  - On-shore training by INITEC Company on feed water pumps, condensate system, Fire Fighting systems and vacuum pump.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Dec. 2010 till now  
**Project** : El-Kureimat (III) Combined Cycle Power Station  
**Job title** : Shift Supervisor Engineer

**Job Description** : Gas turbine GE (MS 9001 FA), HRSG (CMI), Steam turbine (ALSTOM):

- Following proceeding for system start-up and shut down.
- Following proceeding for turbine cold and hot start-up.
- Monitor operation condition for the unit during normal operation.
- Monitor turbine condition during normal operation through MARK VI system.
- Lock-out & Tag-out.
- Following proceeding for unit load increasing and decreasing.
- Following fault & alarm signals from toolbox of MARK VI.

**Dates** : From Sep. 2006 till Dec. 2010

**Project** : El-Kureimat (I) Thermal Power Station

**Job title** : Senior Operator on 627MW steam turbine

**Job Description** :

- Operating two units (2x627MW), each unit contains:
  - Boiler (B&W); Forced Draft Fan, Natural circulation of feed water and fuel is natural gas or mazout.
  - Turbine (GE) with control system (Mark V speed tronic).
  - Unit control system with (WDPF DCS).
  - Water treatment plant (Lurgi Bamag).
  - Fire Fighting systems (Foam, FM 200, water.... etc.).
  - Air conditioning systems.
  - Pumps, compressor, heat exchanger and fans.
  - Diesel Generator (1280 KW).
  - Transformers: 500KV/23KV - 500KV/220KV - 23KV/6.3KV - 6.3KV/0.4KV Electric Generator (811, 200 KVA - 50 Hz - stator cooling with deminerlizer water - rotor cooling with hydrogen - 23KV) - electric motors breakers - UPS - batteries.
  - Hydrogen generation plant.
  - Hydraulic systems and lubrication system for different equipments.
  - Isolation of equipments and safety procedure.
- Control Room (Desk Operator):
  - Following proceeding for system start-up.
  - Following proceeding for turbine cold and hot start-up.
  - Following proceeding for boiler cold and hot start-up.
  - Perform daily and weekly testing for system, monitor operation condition for the unit during normal operation.
  - Monitor turbine condition during normal operation through MARK V system.
  - Monitor boiler condition during normal operation though DCS system.
  - Following proceeding for unit (turbine, boiler and axillaries) shut down.
  - Following proceeding for unit load increasing and decreasing.
  - Perform main turbine warm up.

**Dates** : From Nov. 2005 till Sep. 2006

**Employer** : Egyptian Carbonate Company

**Job title** : Electrical Maintenance Engineer

- Further experiences :** I worked at Scosa Training Center in Saudi Arabia as an Instructor for the following courses:
- Cable fault location and maintenance (one week).
  - Electric Engineer for non-electrical engineers (one week).
  - VFD (variable frequency drive) (one week).
  - Electric maintenance and troubleshooting (two weeks).
  - Transformer maintenance and testing (one week).