

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 12 years hands-on experience in fossil power generating stations (steam power plants) from testing through start-up and operation.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 04/01/1976  
Marital Status : Married

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 1999

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Maintenance training about heat recovery steam generator and auxiliary in Belgium and Czech Republic, Nov. 2007.
- : Training including mechanical, electrical, instrumentation, I&C parts, Sigma's pumps type CND, CUD and CJTY.
- : GE Site training EI-Kureimat 2x650MW, one week (May 2001).
- : Steam turbine fundamental, speedtronic Mark V and control system.
- : Westinghouse WDPF Site training, one week (May 2001).
- : Software user course DCS Operation.
- : One month course in EI-Kureimat Thermal Power Station by U.SAID.
- : Three months course in EI-Kureimat Thermal Power Station on operation of the power plant by Shift Engineer.
- : Two weeks in simulator of EI-Kureimat Thermal Power Station for start-up, troubleshooting and operation from control room.

## CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2009 till now  
Employer : Egyptian Electricity Authority (EEA)

**Project** : El-Kureimat Power Plant (2x627MW)  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Review operation conditions for both units.
- Perform isolation & safety tag out of the equipment.
- Study problems and record IMPAC NAVIGATOR program.
- Perform power transfer.
- Perform electric isolation:
  - Power Center.
  - 6.3KV switchgear.
  - Motor Control Center.
- Train operators for proper care of equipment.
- Shift leader for cold & hot start-up for both units and equipments.
- Shift leader for safe shut down for both units and equipments.

**Dates** : From Aug. 2007 till Mar. 2009  
**Employer** : Egyptian Electricity Authority (EEA)  
**Project** : El-Kureimat Power Plant (2x627MW)  
**Job title** : Deputy Shift Charge Engineer  
**Job Description** : Same as previous.

**Dates** : From Jul. 2006 till Aug. 2007  
**Employer** : Egyptian Electricity Authority (EEA)  
**Project** : El-Kureimat Power Plant (2x627MW)  
**Job title** : Shift Engineer (Disk Operator)  
**Job Description** :

- Follow proceeding for system start-up.
- Follow proceeding for turbine cold and hot start-up.
- Follow proceeding for boiler cold and hot start-up.
- Perform daily and weekly testing for system.
- Follow proceeding for unit load increasing and decreasing.
- 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 through DCS system.
- Follow proceeding for unit (turbine, boiler and axillaries) shut down.
- Perform main turbine warm up & safe shut down.

**Dates** : From Jun. 2003 till Jul. 2006  
**Employer** : Egyptian Operation & Maintenance Company (O&M)  
**Project** : El-Kureimat Power Plant  
**Job title** : Shift Engineer (Disk Operator)  
**Job Description** : Same as previous.

**Dates** : From Aug. 2001 till Jun. 2003  
**Employer** : Egyptian Operation & Maintenance Company (O&M)

**Project** : El-Kureimat Power Plant:  
Each unit consists of:

- B&W EL-PASO:
  - Boiler, forced draft/natural circulation gas & oil fire.
- GE turbine generator speedtronic Mark V control system, fisher Hp/Lp bypass system.
- Westinghouse: Wdpf Dcs.
- Lurgi bamage: Water treatment.
- ABB SAE SADELMI:
  - Fire fighting system pumps, critical piping, oil transfer system, Reboiler system, mazout transfer system, Air compressor, pipes, valves, HVAC.
- Transformer: 500KV/23KV – 500KV/220KV – 23KV/6.KV – 6.3KV/0.38KV.
- Electrical generator (811.200 KVA - 50 Hz - stator cooling with deminerlizer water rotor cooling with hydrogen):
  - Electric motors breakers – ups – batteries.

**Job title** : Field Operator

**Job Description** :

- Supervise all plant activities.
- Train operators of the proper care of equipments.
- Line up all system locally.
- Preparation of all equipments for starting safe shutdown.

**Dates** : From Mar. 2000 till Aug. 2001

**Employer** : Egyptian Electricity Authority (EEA)

**Project** : El-Kureimat Power Plant (2x650MW)

**Job title** : Field Operator