

# 100135-MEC-MOS-E-1992

## Mechanical General Manager

Holds a B. Sc. in Mechanical Engineering and has over 21 years hands-on experience in power station field, especially in steam turbine and good experience in gas turbine and combined cycle and good ability to provide overall lead ship to aggressive execution of all site activities (construction, commissioning and operation).

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 31/08/1965  
Gender : Male  
Marital Status : Married  
Residence : Giza, Cairo

### EDUCATION

: B. Sc. in Mechanical Engineering, Helwan University, 1992

### LANGUAGES

Arabic : Native Language  
English : Very Good

### COMPUTER SKILLS

: Windows, MS Office, Internet  
: Matlab

### TRAINING COURSES AND CERTIFICATIONS

- : Gas turbine operation training course, 2x260MW (MS 9001 FA), Speed Tronic Mark VI, GE General Electric Company, USA (Mar./Apr. 2008).
- : Gas turbine operation training course, 2x260MW (MS 9001 FA), Speed Tronic Mark VI, GE General Electric Company, Egypt (May/Jun. 2008).
- : Training course in Water and waste water treatment, Lurgi-Bamag Co. (1998).
- : Site specific training constituting - a program of concentrated study of power plant equipment system theory & application, Raytheon engineer & construction, 2 months (1998).
- : I.D.P. off-shore technical training on centrifugal pumps including installation, operation and maintenance, Ingresoll dresser pumps (Milan, Italy), 3 weeks (1997).
- : Training course in boiler operation, Babcock & Wilcox Co. (1997).

- : Basics and site specific training courses for power plants equipment and systems theory and applications, Shoubra El-Kheima Power Plant, 3 months (1997).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From May 2011 till now
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat III Combined Cycle (750MW)
- Job title** : Mechanical General Manager
- Job Description** :
- Mechanical Leader of Major inspection for gas turbine (GE model 9FA).
  - Mechanical Leader of Major inspection for gas turbine (SIEMENS model 800611).
  - Mechanical Leader Engineer of hot gas path inspection of GE gas turbine unit 3 & unit 4 (frame 9FA).
  - Mechanical maintenance engineering of (GE & SIEMENS) gas turbine.
  - Minor inspection of SIEMENS gas turbine.
  - Combustion Inspection of GE gas turbine.
  - Maintenance Engineer of vertical and horizontal pumps, air compressors, fans, hydraulic and lube oil pumps.
  - Maintenance & Operation Engineer of hydrogen generation plant.

- Dates** : For 3 months
- Employer** : Samsung
- Project** : Qurayyah Project in KSA
- The Qurayyah IPP project is approximately 100 km south of the port of Dammam on the coast in the Eastern province of the Kingdom of Saudi Arabia. The facility is a 2 on 1 combined cycle configuration consisting of twelve (12) Siemens SGT6-PAC 5000F gas turbine generating units (GTGS), twelve (12) heat recovery steam generators (HRSGs), six (6) Siemens SST6-4000 steam turbine generators (STGs) and six (6) sea water condensers.
- Job title** : Control Room Engineer for Siemens (T3000 DCS)
- Job Description** : Dealing with SPPA-T3000 controller hardware and software (control system Toolbox).

- Dates** : From Apr. 2010 till Apr. 2011
- Employer** : [EGYPTROL](http://www.egyptrol.com), Commissioning & Operation Subcontractor for BoP Electrical and Mechanical Contractors TOSHIBA/TOYOTA
- Project** : El-Atf Combined Cycle Power Plant 750MW
- Job title** : Mechanical Commissioning & Operation Engineer
- Job Description** :
- Operational supervision and the maintenance of the mechanical equipments.
  - Follow construction progress and participate in solving construction and installation problems.
  - Ensure setting up safety and precautionary requirements.
  - Conduct heat run test for all motors and pumps.
  - Conduct flushing for potable water system, raw water system, air

conditioning, fuel oil system, circulated water system, sump pump, condensate system, feed water system, chemical cleaning for the condensate and feed water systems.

- Support conducting reliability run and performance test as per the client's request.

**Dates** : From Apr. 2008 till Nov. 2009  
**Employer** : Upper Egypt Electricity Production Company (UEEPC)  
**Project** : El-Kureimat III Combined Cycle (750MW)  
**Job title** : Shift Charge Eng. of gas turbine GE unit 9FA Frame (MARK IV DCS) & BOP alsta P320 Dcs  
**Job Description** :

- Operation of two units for General Electric GE 9FA Frame and all auxiliaries.
- Review operation conditions for both units.
- Following proceeding for system start-up.

**Dates** : From Jul. 2006 till Apr. 2008  
**Employer** : Upper Egypt Electricity Production Company (UEEPC)  
**Project** : El-Kureimat Thermal 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 of train operators for proper care of equipment.
- Prepare test reports and analyze data, calculate test results.

**Dates** : From Mar. 2003 till Jul. 2006  
**Employer** : Egyptian Operation and Maintenance Company (O&M)  
**Job title** : Control & Operation Engineer  
**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.

**Dates** : From Dec. 2000 till Mar. 2003  
**Employer** : Egyptian Electricity Authority  
**Project** : El-Kureimat Thermal Power Plant (2x627MW)  
**Job title** : Control & Operation Engineer for boiler and steam turbine

**Dates** : From Dec. 1997 till Dec. 2000  
**Project** : El-Kureimat Thermal Power Plant (2x627MW)

**Job title** : Site Operation Engineer for boiler and steam turbine

**Dates** : From Oct. 1996 till Dec. 1997

**Employer** : Raython Ebasco Co.

**Project** : El-Kureimat Thermal Power Plant (2x627MW)

**Job title** : Material Control Engineer

**Dates** : From Nov. 1995 till Oct. 1996

**Employer** : Egyptian Electricity Authority

**Project** : El-Kureimat Thermal Power Plant (2x627MW)

**Job Description** : Construction Engineer of two units each unit consists of:

- B&W ELPASO.
- Boiler forced Draft /Natural Circulation Gasoil fire.
- GE Turbine Generator speedtronic Mark V control.
- System, fisher HP/LP Bypass system.
- Westinghouse.
- WDPF DCS.
- Lurgi-Bamag.
- Water treatment.
- ABB SAE Sadelmi.
- Fire fighting system pumps, critical piping, oil transfer system, re-boiler system, mazout transfer system.
- Air Compressor, Pipes, Valves, HVAC.
- Transformers:
  - KV/0.38KV
  - 500KV/23KV
  - 500KV/220KV
  - 23KV/6.3KV
  - 6.3KV/0.38KV
- Electric Generator:
  - 811,200 KVA.
  - 50 Hz-stator cooling with de-minerlizer water.
  - Rotor cooling with hydrogen, 23KV.
  - Electric motors breakers.
  - UPS batteries.