

# 106085-MEC-1MOS-E-2010

## Operation & Maintenance Engineer

Holds a B. Sc. in Mechanical Design & Production Engineering and a Diploma in Power Station. Has about 8 years experience working mainly in maintenance, operation, commissioning and start-up at Abu Qir Power Plant.

### PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

### EDUCATION

: B. Sc. in Mechanical Design & Production Engineering, Ain Shams University, 2010  
: Diploma in Power Station, Cairo University, 2016

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD (2D & 3D) and Solid Works and any relevant CAD software  
: Programming Languages: Computer numerical control (CNC) Machines: Turing, Milling, Drilling, Wire cutting, Spark cutting machines

### TRAINING COURSES AND CERTIFICATIONS

: Quality Control (Non Destructive Test) certification from Detection Consulting Center (Eng. Abdallah Hassanein):

- Liquid Penetrant Test Course Level I & II (Pt).
- Magnetic Particle Test Course Level I & II (Mt).
- Radiographic Test Course Level I & II (Rt).
- Ultrasonic Test Course Level I & II (Ut).
- Eddy Current Test Course Level I & II (Et).
- Visual Welding Inspection Course Level I & II (Vt).
- Painting Inspection.
- Dimensional Check.
- Hydrostatic Test.
- Vacuum Test.

- : HR Certificate of Communication skills.
- : HR Certificate of Work Challenging Attitude.
- : AutoCAD 2D, 3D - Certified from Cairo University.
- : Solid Works - Certified from Cairo University.
- : Central Metallurgical Research and Development Institute (CMRDI) at EL-TEBBIN, the training was on welding processes as follows:
  - Shielded Metal Arc Welding.
  - Gas Metal Arc Welding.
  - Flux Cored Arc Welding.
  - Gas Tungsten Arc Welding.
  - Submerged Arc Welding.
  - Plasma Arc Welding.
  - Electro slag Welding.
  - Oxyacetylene Welding.
  - Stud Welding.
  - Electron Beam Welding.
  - Laser Welding.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2012 till now
- Employer** : West Delta Electricity Production Company (WDEPC)
- Project** : Abu Qir New Power Plant Units 6 & 7 (2x650MW)
- Job title** : Operation & Maintenance Engineer
- Job Description** :
- Perform maintenance for Axial flow pumps (open impeller), centrifugal pumps (single stage), multistage centrifugal pumps, piston pumps, gear pumps and screw pumps.
  - Operating auxiliary equipments, boilers and turbines.
  - Reporting and correcting equipment malfunctions.
  - Maintaining daily log of plant conditions and noting abnormalities.
  - Monitoring problems to keep plant online.
  - Following plant procedures for successful start-up and shutdown.
  - Construction commissioning.
  - Piping & checking on welding inspection.
  - P&ID Checking.
  - System Check.
  - Walk down.
  - Punching.
  - Mechanical Completion.
  - Pre-commissioning.
  - Cold Commissioning.
  - Hot Commissioning.
  - Dry Commissioning.
  - Wet Commissioning.
  - Live Commissioning.
  - Post Commissioning.
  - Start-up.
  - Initial Operation.
  - Performance Test.

- Post Commissioning.
- Work professionally to Operate and control power plant Machines.
- Coordinate with main control for different unit conditions.
- Issuing work requests for defected equipment or for any improper situation and support maintenance for expertise and defect following.
- The ability to isolate and secure the equipment electrically and mechanically for maintenance or testing.
- Monitoring on all plant parameters and inspect mechanical, electrical and instrumentation equipment during start-up and normal operation.
- Carrying out periodical tests.

**Employer** : Rashid Petroleum Company (RASHPETCO)

**Job Description** : It was on site inspection project under authority of Egyptian Maintenance Company (EMC) by performing wall thickness and visual inspections.

**Employer** : Detection Welding & NDT Consulting Office (at Consulting Office of Eng. Abdullah Hassanein)