

**101451-MEC-MO-E-1995**  
**Mechanical Operation & Maintenance Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has about 17 years hands-on experience in operation and maintenance of several Power Stations.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 09/12/1971  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 1995

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2011 till now  
**Project** : Sidi Krir Combined Cycle Power Station:  
• 2 Gas turbines Mitsubishi 250MW each  
• HRSG made by NEM  
• 2 Steam turbines 250MW Ansaldo  
**Job title** : Mechanical Maintenance Engineer

**Dates** : From Aug. 2005 till Jun. 2011  
**Employer** : Sharjah Electricity and Water Authority  
**Project** : Layyah Power Station, Sharjah - U.A.E.  
• Steam turbine generation units (4x75MW) Ansaldo and 4x30MW Siemens  
• Gas turbine GE frame 9 (110MW) Mark V  
• Desalination MSF Plant (5 x 5MIG/day and 2 x 5 MIG/day MED and 2 x 8 MIG/day MED)  
• HRSG (2 x 250 t/hr and 4 x 75 t/hr)  
**Job title** : Shift Engineer

- Job Description** :
  - Leading the entire shift team of Operators and Supervisors:
    - Supervise of control room and field operator.
    - Take all necessary actions to correct any incident during normal operation.
    - Maintain plant in healthy and safely satiation by correct any malfunction of equipments.
    - Follow equipment defects & inform maintenance to correct them.
    - Supervise the preparation of the isolation & safety conditions for maintenance staff to correct defective equipment.
    - The operating personal activities including their development, performance and evaluation.
    - The optimization of the plant to meet heat rate and availability requirements and all operational equipments.
    - The safety and performance of the electrical power generating equipment.
    - Isolation of equipments and issue PTW to maintenance departments following safety roles.
  - Perform daily routine work, attend daily meeting between maintenance and operation to discuss and correct equipment defect:
    - Follow up maintenance activity progress during shift.
    - Follow up outage activity during outage period.
    - Prepare reporting for management for plant situation during the day.
    - Carry out all activities for high, medium and low voltage.
    - Live monitoring for machines performance.
    - Troubleshooting & preventive maintenance during the shift.
    - Ensuring safe, efficient & economical running of the plant.

**Dates** : From 1995 till 2005

**Project** : Abu Qir Power Station (4x150MW and 1x320MW, Alstom)

**Job title** : Shift Engineer

- Job Description** :
  - Operation of boiler, steam turbine units with DCS control system.
  - Starting and shutting down steam turbine, boilers from hot and cold state, mentoring parameters and checking operation of steam turbine and boiler auxiliaries.
  - Switch (on & off) 220KV breakers (SF6) and 132KV breakers (SF6), make bus bar (isolation, de-isolation) and responsible for central dispatch 220KV maneuvers).
  - Isolation of equipments and issue PTW to maintenance departments following safety roles:
    - Understand the concepts of the electric power system and have knowledge of all auxiliary systems such as the breakers, bus ducting, switchyard components, etc.
    - Have an understanding of the operational capabilities of electrical apparatus such as transformers and generators.