

<b>100206-MEC-M-E-2004</b> <b>Mechanical Maintenance Engineer</b>
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Holds a B. Sc. in Production Engineering and a Higher Diploma in Welding Engineering. Has about 7 years hands-on experience, including 5 years working in turbine maintenance and overhaul at Abu Qir Power Station.

## PERSONAL DATA

Nationality : Egyptian  
Marital Status : Single

## EDUCATION

: B. Sc. in Production Engineering, Alexandria University, 2004  
: Higher Diploma in Welding Engineering, Alexandria University, 2007

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD 2D & 3D  
: Primavera  
: Solid Edge, Solid Works, Cosmos Works

## TRAINING COURSES AND CERTIFICATIONS

: Operation of steam power plants (Apr. 2006 – Abu Qir Training Center).  
: Steam power plant malfunctions (Aug. 2006 – Abu Qir Training Center).  
: Commissioning & performance test of steam power plants (Sep. 2006 – Abu Qir Training Center).  
: Vibration & balancing of rotating equipment (Apr. 2007 – Abu Qir Training Center).  
: American Society for Non-Destructive Testing "ASNT" - Radiographic Testing level II (Sep. 2007 – Egyptian Welding Academy).  
: American Society for Non-Destructive Testing "ASNT" – Magnetic Particle Testing level II (Sep. 2008 – Science & Technology Engineering Center).  
: American Society for Non-Destructive Testing "ASNT" – Ultrasonic Testing level II (Oct. 2008 – Science & Technology Engineering Center).  
: Elective courses:

- Computer numerical control (CNC).
- Non destructive test (NDT).

- Failure analysis.
- Machinery condition monitoring.
- Noise pollution control.
- Non traditional machining.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2006 till now  
**Employer** : West Delta Electricity Production  
**Project** : Abu Qir Power Station  
**Job title** : Turbine Maintenance Engineer  
**Job Description** :

- Supervision, monitoring and maintenance of Rotating and Static Equipment such as:
  - Steam Turbine (150MW).
  - Steam Turbine Admission Valves.
  - Control Servomotors for Admission Valves.
  - Steam Condenser.
  - Lubricating and hydraulic Oil pumps.
  - Feed Water pumps "Sulzer" (Booster pump – Hydraulic Coupling – 10 Stages Main pump).
  - Centrifugal Pumps (Single Stage – Multi Stage).
  - Axial Flow Pumps, Vertical & Submersible Pumps.
  - Positive Displacement Pumps (Gear – piston).
  - Sealing Oil Equipment and Vacuum Pumps.
  - Air Compressors (Reciprocating – Centrifugal) & Dryers.
  - Heat Exchangers (Heaters – Coolers).
  - Different types of Valves.
  - Sea Water Filters and Travelling Screens.

### Major Overhauls:

- From Dec. 2010 till now: Sharing as Supervisor in Major Overhaul of Abu Qir Unit 5 Sea Water Plant.
- From Dec. 2009 till Aug. 2010: Sharing as Supervisor in Major Overhaul of Abu Qir Unit 1 with ALSTOM Company.
- From Apr. 2009 till Dec. 2009: Sharing as Supervisor in Major Overhaul of Abu Qir Unit 4 with ALSTOM Company.
- From May 2007 till Jul. 2007: Sharing as Supervisor in Major Overhaul of Abu Qir Unit 3 with ALSTOM Company.
- Major overhauls activities:
  - General outage of L.P. & HIP Turbine.
  - Gland Seals.
  - Turning Gear.
  - Journal Bearing.
  - Thrust Bearing main stop & control valves with servomotors and lubrication oil pumps.
  - Supervise the blades & sealing strips changing and machining of the inner I.P. & H.P. casing & L.P. shaft.
  - Assist the N.D.T. French specialist.

**Dates** : From Aug. 2004 till Mar. 2006  
**Employer** : Express Manufacturing Company for R/O water stations

- Job title** : CAD Engineer
- Job Description** :
- Design R/O water stations.
  - Design pumps and filters "reverse engineering" by using SolidWorks and CosmosWorks Software.
  - Provide documentation, detailed instructions, drawings or specifications to tell others about how parts, equipment or structures are to be fabricated, constructed, assembled, modified, maintained or used.
  - Check dimensions of materials to be used and assign numbers to the materials.
  - Design analysis, simulation and optimization.
  - Layout and draw schematic, orthographic, section views or explode assembly to depict functional relationships of components, assemblies, systems and machines.