

Holds a B. Sc. in Mechanical Power Engineering and has over 10 years hands-on experience working in operation and maintenance of GE gas & steam turbines at Talkha Power Plant.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/06/1984  
Gender : Male  
Marital Status : Married  
Residence : Mansoura

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2006

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet  
: AutoCAD 2D

## TRAINING COURSES AND CERTIFICATIONS

: Instrument maintenance of Gas Turbine.  
: Operation and components of Steam turbine cycle.  
: Civil protection course.  
: Mechanical maintenance of Gas Turbine.  
: Misalignment course.  
: Corrosion, reasons and ways of treatment.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Oct. 2011 till now  
**Employer** : Middle Delta Electricity Production Co. (MDEPC)  
**Project** : Talkha Power Plant  
**Job title** : Mechanical Maintenance Engineer

- Job Description** : • Steam Turbines:
- Responsible for the process "new rotor installation" with corporation with GE expert.
  - Performing daily maintenance and solving troubleshooting of steam turbines.
  - Performing maintenance programs of steam turbines; overhaul, annual and semi-annual.
  - Performing pre-commissioning, commissioning checks and preparation of steam turbine start-up after regular maintenance or overhaul work.
  - Performing maintenance programs (preventive, predictive and breakdown) for combined cycle equipments (chemical auxiliaries, Air compressors, condensers, heat exchangers, condensate system, pump house, hydraulic unit and Pumps; liquid ring, axial and positive displacement).
  - Writing weekly, monthly and annual reports about steam turbines performance.
- Gas Turbines:
- Performing daily maintenance and solving troubleshooting of gas turbines.
  - Performing maintenances programmers such as combustion chambers, hot passes and major overhaul for gas turbines, which include all tests.
  - Performing pre-commissioning, commissioning checks and Preparation of the gas turbine start-up after regular maintenance or overhaul work.
  - Member of the team which was responsible for transferring the turbine rotor and reduction gear box from a unit to another one.
  - Co-operating in spare parts tenders.
  - Attending seminars of spare parts companies.
  - Writing weekly, monthly and annual reports about gas turbine performance.
  - Good dealing with Amplissma program.

**Dates** : From Dec. 2006 till Oct. 2011

**Employer** : Middle Delta Electricity Production Co. (MDEPC)

**Project** : Talkha Power Plant (Gas turbine with combined cycle (300MW))

**Job title** : Operation Shift Engineer

- Job Description** :
- Operating gas turbines of 8x25MW, GE frame 5.
  - Operating HRSG (Heat Recovery Steam Generator) of 8 x 45 tons Steam/Hour.
  - Operating steam turbines (2x50MW, STAG 405).
  - Doing switchgear operation with National Control Center to connect and disconnect 220KV grid function.
  - Dealing with different types of transformers (11.5/220KV, 11.5/3KV and 11.5KV/400V), Transformers Lines and protection equipments.
  - Dealing with different types of mechanical equipments (pumps, heat exchangers, valves, condensers, pumps house, diesel 500HP and air compressors).
  - Dealing with fire-fighting system for the site.

- Further experiences :**
- Training recent engineers and technicians.
  - Member of Workshop for training development.
  - Instructor of steam turbine maintenance course.