

Holds a B. Sc. in Mechanical Power Engineering and has over 11 years hands-on experience working in rotating equipment operations & maintenance including pumps, compressors, steam turbines and gas turbines.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 31/08/1978  
Gender : Male  
Marital Status : Married  
Residence : Damanhour

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2000

## LANGUAGES

Arabic : Native Language  
English : Very Good  
German : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Operation Training on Siemens CTG V94.3A by Siemens, Luebbenau, Germany.
- : I&C Operator Course by Siemens Co., Erlangen, Germany.
- : Basic Operation Training on Siemens CTG V94.3A by Siemens, Damanhour.
- : Mechanical Maintenance Training by Siemens Co., Berlin, Germany.
- : Alspa p320 Distributed control systems operator on-shore training by Alstom Co., Nubaria.
- : Training course for operation and maintenance of Mitsubishi turbine and Generator by Mitsubishi, Nubaria.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2010 till now
- Job Description** :
  - Supervision on operation shift in charge activities.
  - Preparing for alarms.
  - Troubleshooting maintenance schedule & outage programs.
  - Coordination between operation & maintenance departments & dispatch center.
  - Supervise the proceeding of the scheduling operation activities.
- Dates** : From Jan. 2010 till Aug. 2010
- Employer** : DAEWOO Nigeria LTD
- Project** : AFAM VI Power Project – NIGERIA:  
(3x150MW GT (ALSTOM), 3 Horizontal HRSG (DOOSAN), 1x217MW ST (ALSTOM))
- Job title** : Commissioning & Start-up Engineer
- Dates** : From Jun. 2007 till Jan. 2010
- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Project** : Nubaria Combined Cycle (2x750MW) Power Station:
- Two modules each module consists of:
    - Two Siemens CTG 250MW type V94.3A
    - Two horizontal Alstom HRSGs
    - One Mitsubishi STG x250MW (HP, IP, LP)
  - 220KV switch yard, 500KV switchyard
  - Four tie transformers 500/220KV
  - Medium and Low Voltage switchgear
  - 8 outgoing circuit 220KV, 2 outgoing circuit 500KV
- Job title** : Shift Charge Engineer
- Job Description** :
  - Make minor inspection for Siemens CTG 250MW type V94.3:
    - Worked in chemical cleaning for burners, changing of ceramic tiles of Combustion chamber, visual inspection of turbine & compressor blades.
  - Make hot gas path inspection for Siemens CTG 250MW:
    - Worked with Siemens group of that inspection: Removing the outer casing in the turbine section, lifting off the upper sections of the turbine stationary blade carriers & rolling out the lower sections of the turbine stationary blade carriers and removing blades, vanes for refurbishment/replacement.
  - Maintenance for steam turbine Mitsubishi STG 250MW:
    - Make warranty major inspection for steam turbine with supervisor Mitsubishi Company.
    - Make alignment for shafts for steam turbine between HP and LP and generator.
    - Check the axial & radial clearance for blades.
    - Follow up the maintenance activities for the steam and gas turbine.
  - Overhaul inspection of pump house pumps and maintenance of traveling screen.

**Dates** : From Feb. 2006 till Jun. 2007  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (2x750MW)  
**Job title** : Installation, Commissioning & Start-up Engineer  
**Job Description** : Responsible for site acceptance tests, commissioning & start-up (CP 118) by INITEC Company for Pump House (Circulation pump & Service pump & Fire pump back washing & Raw pump) and Closed Cooling & High Feed Water Pump, Low Feed Water Pump.

**Dates** : From Mar. 2005 till Feb. 2006  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (2x750MW)  
**Job title** : Shift Engineer Operation by DCS Control

**Dates** : From May 2004 till Mar. 2005  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (2x750MW)  
**Job title** : Site Engineer  
**Job Description** : 4x250MW SIEMENS Gas Turbines types V94.3A:

- Auxiliaries of the Gas Turbines (Fuel gas and Fuel oil supply systems, Lube oil system, Hydraulic system, Compressed air system, cooling system, Purge water system and NOx water system).
- Plant different Pumps required for cooling either closed or open loops.
- Fuel oil forwarding and unloading pumps along with related pipes.
- Fuel gas piping.
- Air filtration (air intake) system of Gas Turbines.

**Dates** : From Dec. 2000 till May 2004  
**Employer** : West Delta Electricity Production Company (WDEPC)  
**Project** : Damanhour Combined Cycle (156MW)  
**Job title** : Shift Engineer operation by DCS control  
**Job Description** :

- Responsible for operating 4x25MW GE gas turbine, 4 Vertical HRSG and 1x60MW GE steam turbine.
- The MS-5001FA is a single-shaft gas turbine designed for operation as a simple-cycle unit or combined steam and gas turbine cycle (STAG).

**Field of experience** :

- Make minor inspection for Siemens CTG 250MW type V94.3:
  - Worked in chemical cleaning for burners, changing of ceramic tiles of combustion chamber, visual inspection of turbine & compressor blades.
- Make hot gas path inspection for 2 unit Siemens CTG 250MW:
  - Worked with Siemens group of that inspection: Removing the outer casing in the turbine section, lifting off the upper sections of the turbine stationary blade carriers rolling out the lower sections of the turbine stationary blade carriers and removing blades vanes for refurbishment / replacement.

- Maintenance for steam turbine Mitsubishi STG 250MW:
  - Make warranty major inspection for steam turbine with supervisor Mitsubishi Company.
  - Make alignment for shafts for steam turbine between HP and LP and Generator. Check the axial & radial clearance for blades.
  - Follow up the maintenance activities for the steam and gas turbine.
- Overhaul inspection pump house pumps and maintenance of compressor and travel screen.
- Experience in rotating equipment operations & maintenance including pumps, compressors, steam turbines and gas turbine (250MW).
- Monitoring and trouble shooting of power plant rotating equipment.
- Operations & maintenance of Siemens GT 250MW).
- Commissioning, steam blow out, start-up and operation for 4 Heat Recovery Steam Generation.
- Commissioning, start-up and operation for steam turbine (Mitsubishi 250MW).
- Operation and maintenance of hydraulic pumps, compressors, valves and designer of special hydraulic movement systems.