

Holds a B. Sc. in Electrical Power Engineering and has about 10 years hands-on experience working in operation at Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 13/01/1980  
Gender : Male  
Marital Status : Married  
Residence : Damanhour

## EDUCATION

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

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : On-shore Basic Operation Training for Gas Turbine V. 9FA under the direction of GE in Nubaria Power Station.
- : Training course under the direction of the steam turbine, which covered the following:
  - General description of steam turbines.
  - Surface condenser.
  - Gland steam condenser & fan.
  - Lube oil cooler.
  - Condenser vacuum pump.
  - Lube cleaning system.
  - Debris filter.
  - Condenser water vacuum pump.
  - Turbine governing system.
  - Operation of steam turbine.
  - DEH control.
  - ATS Control.
  - Turbine Inter lock.

- Turbine Control System.
  - Auxiliary Equipment control.
  - MHI Factories tours.
- : Training course under the direction of Mitsubishi Electric Corporation Energy Systems Center, which covered the following topics:
- Generator Design & Structure.
  - Generator Auxiliary Systems.
  - Generator Excitation Systems.
  - Generator Protection & Control Systems.
  - Operation for Generator & Generator Auxiliary Systems.
  - Maintenance for Generator & Generator Auxiliary Systems.
- : On-shore in Nubaria Power Station under the direction of Mitsubishi Electric Corporation Energy Systems Center, which covered the following topics:
- Generator Design & Structure.
  - Generator Auxiliary Systems.
  - Maintenance for Generator & Generator Auxiliary Systems.
  - Operation for Generator & Generator Auxiliary Systems.
- : On-shore in Nubaria Power Station under the direction of Mitsubishi Heavy Industries, which covered the following topics:
- Steam Turbine Gland Sealing and Vacuum Up Test.
  - Steam Turbine Rolling and Speed Up Test.
  - By Pass Operation.
  - No Load Operation.
  - Part Load & FULL LOAD OPERATION.
  - 25%, 50%, 75% and 100% Load Rejection Test.
  - Normal Operation & Troubleshooting.
- : Basic Operation Training for Gas Turbine V.94.3A under the direction of Siemens PG in Nubaria, which covered the following:
- Gas Turbine.
  - Plant operation.
  - Introduction to the plant.
  - Electrical and I&C part.
- : Operation and Maintenance of Combined Cycles, which held in Damanhour, by West Delta Production Company (WDEPCO).
- : Another Training Courses in Nubaria Power Station Site in:
- Service & Instrument Air Compressors by Initec Energia.
  - Service, raw and closed cooling pumps.

## CHRONOLOGICAL EXPERIENCE RECORD

- Employer** : Middle Delta Electricity Production Company (MDEPCO)
- Project** : Nubaria Combined Cycle (3x750MW) Power Station
- Job title** : Gas Turbine Operation Engineer
- Job Description** :
- Two Modules, each Module consists of:
    - Two Siemens combustion gas turbines 250MW type V94.3A.
    - Two Alstom horizontal type heat recovery steam generators.
    - One Mitsubishi steam turbine 250MW type TC2F HP, IP and LP steam lines.
  - One Module consists of Two GE combustion gas turbines 250MW type 9FA.

- 220KV switchyard.
- 500KV switchyard.
- Four tie transformers 500/220KV.
- Medium (6.3KV) and low (400 V) voltage switchgear.
- Besides I do training courses for new Engineers and Technicians.

**Project** : NUBARIA Combined Cycle Power Station

**Job Description** :

- Operation Engineer:
  - Mitsubishi Steam Turbine (2x250MW) commissioning, start-up, reliability, performance tests and operation.
  - Basic Operation of Siemens Gas Turbine (4x250MW) Type V94.3A.
  - Basic Operation of ALSTOM horizontal type heat recovery steam generator and steam blow.
- Construction Engineer:
  - Responsible of reviewing all technical submittals and inspection types of valves and pumps as TERMOMECHANICA and KSB pumps.

**Employer** : East Delta Electricity Production Company (EDEPCO)

**Project** : Ayoun Mousa Steam (2x320MW) Power Station

**Job title** : Steam Turbine Operation Engineer

**Job Description** :

- Two modules, each module consists of:
  - One Siemens steam turbine 325MW.
  - One boiler Baily American.
  - The auxiliaries consist of:
    - Two circulating pumps.
    - Two closed cooling pumps.
    - Two heat exchanger.
    - Two service pumps.
    - Debris filter.
- GIS consist of:
  - 220KV switchyard.
  - 500KV switchyard.
  - Four tie transformers 500/220KV.
  - Medium (6.3KV) and low (400 V) voltage switchgear.
- Desalination plant.

**Dates** : From 2007

**Project** : DAMANHOUR Combined Power Station (160MW)

**Job title** : Operation Engineer

**Job Description** :

- Four GE gas turbines (4x25MW).
- Four NEM HRSG vertical types.
- One GE steam turbine (60MW).
- 220 switchyard, 66KV substations.