

Holds a B. Sc. in Mechanical Power Engineering and has about 8 years hands-on experience in operation, commissioning and start-up of several Power Plants.

## **PERSONAL DATA**

Nationality : Egyptian  
Marital Status : Married

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Tanta University

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Maintenance & Operating of Steam Turbine, MITSUBISHI Heavy Industries (MHI) Ltd. Nagasaki Shipyard & Machinery Works – JAPAN, Nubaria Power Station Site.
- : DCS System (ALSTOM, ALSPA P320), Operating & Maintenance DCS control system (ALSPA P320 system).
- : Fire and fighting system (CHEMTROL S.L.C., Madrid – SPAIN), Operation & Maintenance for fire fighting system.
- : Pumps (INITEC Energia, KSB & TMP, ITALY), Operation training program to feed boiler pumps, condensate pumps, closed cooling pumps, service pumps and circulating pumps.
- : PACIS System (AREVA, Lattes – FRANCE), Operator training program to PACIS system to operate switch yard, Nubaria Power Station.
- : ALSTOM HRSG Operator (ALSTOM Power Inc., USA), 160 hours HRSG Operator training program, Surabaya – INDONESIA, Sep. till Oct. 2005.
- : Continuous Emission Monitoring System Training, Altech Environment USA, analysis of exhaust gases of gas turbine.
- : Mechanical Maintenance Training of Gas Turbine (SIEMENS V94-3A), Gas Turbine (GT) Manufacturing, GT Maintenance, GT Service Plant Operation.
- : Basic Operation Training of Gas Turbine (SIEMENS V94-3A), Introduction to the plant, Mechanical, Electrical and I&C the parts of gas turbine, Nubaria Power Station.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2009 till now  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : El-Atf Power Station (750MW)  
**Job title** : Gas Turbine Commissioning Engineer  
**Job Description** :

- Commissioning and Start-up Engineer for two combustion turbine generators (250MW MITSUBISHI frame M701 F).
- Responsible for pre-commissioning, commissioning & start-up activities for 2 gas turbines (lube oil flushing, control oil flushing, seal oil flushing, air blow, etc.).
- Commissioning & start-up for GT Auxiliary (Motor test, Heat run test, etc.).
- Commissioning & start-up for Gas Compressor Atlas Copco as Supervisor.
- Commissioning & start-up for fire fighting system with Minimax Company for gas turbine area & gas compressor area.
- Shift Engineer for 2 GT during First fire & Load rejection tests & Reliability run.

**Dates** : From Jun. 2004 till Feb. 2009  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Power Station I & II (2x750MW):  
Combined Cycle Station, two modules, each module consists of:

- Two Gas Turbines CTG (2x250MW) SIEMENS V94-3A.
- Two horizontal HRSG with one deaerator storage tank and three drum (ALSTOM).
- One steam turbine generation STG 250MW (MITSUBISHI).
- 220KV switch yard (ABB), 500KV switch yard (CONSIYS).
- Four tie transformers 500/220KV (ZTR).
- Medium & Low Voltage switchgears.

**Job title** : Shift Charge Engineer  
**Job Description** :

- Working as Shift Charge Engineer for four gas turbines & four HRSG and two steam turbines during commissioning & start-up reliability period and normal operation.

Gas Turbine Operation Engineer:

- Construction, Commissioning, Start-up & Operator Engineer for four combustion turbine generators (250MW SIEMENS V94-3A).
- Working as Commissioning Operator Shift Engineer during start-up & commissioning & generator protection tests & reliability period and normal operation.

Boiler Operator Engineer (HRSG):

- Commissioning, steam blow out, start-up and operation for four Heat Recovery Steam Generation (ALSTOM, horizontal exhaust type, natural circulation, 3drum, HP, IP, LP (125bar, 74kg/s - 25bar, 85kg/s - 5bar, 10kg/s).
- Make first run to pumps (HP/IP, LP, condensate, preheat, closed cooling, service, cooling) and confirm the protection tests, make flushing & chemical cleaning for feed lines to HRSG.

- Official to make chemical cleaning steam blowout.
- Commissioning & start-up, makes revision to logic and protection and normal operation to HRSG.

Steam Turbine Operator Engineer:

- Commissioning & Start-up Operator Engineer for two steam turbine generator (STG 250MW MITSUBISHI).

**Dates** : From Jun. 2003 till Jun. 2004  
**Project** : Damanhour Power Station  
**Job Description** : Steam Turbine Operator & Maintenance Engineer (1x320MW, ANSALDO)