

Holds a B. Sc. in Mechanical Power Engineering and has about 7 years hands-on experience working in operation, maintenance, commissioning and start-up of Power Plants.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 11/11/1981  
Marital Status : Single

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2004

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCad  
: Fortran 77  
: Visual Basic

## **TRAINING COURSES AND CERTIFICATIONS**

: Operation of Steam Power Station (3 months in Damanhour).  
: Operation of Combined Cycle (Gas – Steam) Power Plant (3 months in Damanhour).  
: Maintenance of steam turbine and its auxiliaries (2 weeks in Alexandria).  
: Gas turbine operation and maintenance (2 weeks in Damanhour).

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From 2011 till now  
**Employer** : West Delta Electrical Production Co.  
**Project** : Damanhour Combined Cycle (Gas – Steam) Power Plant  
**Job title** : Gas & Steam Turbine Maintenance Engineer

**Job Description** : 

- Doing all kind of maintenance inspection of gas turbines such as:
  - Stand by inspection.
  - Running inspection.
  - Disassembly inspection.
- Doing all kind of maintenance for the rotary equipment in the plant.
- Receiving inspections of gas turbine assembly parts, making reports and material requisition as per material planning.
- Responsible for preventive, corrective and breakdown maintenance of wide range of equipment.
- Participate in pre-commissioning and commissioning checks and preparation of the gas turbine start-up after regular maintenance or overhaul work.
- Support to spares inventory control and preparation of parts packages to cover work programs of preventive, predictive and breakdown maintenance.
- Maintenance of GE steam turbine and its auxiliaries.
- Ability to analyze turbine data to calculate the efficiency of the turbine after the maintenance work.

**Dates** : From 2010 till 2011  
**Employer** : Power Generation Engineering Services Company (PGESCO)  
**Project** : El-Tebbin Project (2x350MW)  
 (ANSALDO boiler (947 tons/hr each) – PGP control system, ALSTOM steam turbine (350MW each) – ALSPA P320 control system)  
**Job title** : Commissioning & Start-up Engineer  
**Job Description** : 

- Supervise and coordinating between contractors during start-up and operation of the units.
- Monitor all contractors activities involve with start-up and operation.
- On-job training and supervise owner (Cairo Electrical Production Company) shift engineers.
- Managing the proper application of the permit to work system on site.
- Follow up operation schedule and try to achieve it.

**Dates** : From 2009 till 2010  
**Employer** : West Delta Electrical Production Co.  
**Project** : Damanhour Combined Cycle (Gas – Steam) Power Plant  
**Job title** : Shift Charge Engineer  
**Job Description** : Responsible for operation of Damanhour Combined Cycle Power Plant:
 

- Supervision of 4x25MW gas turbine (HITACHI frame5) operation (Mark II control system).
- Supervision of 4 heat recovery steam generators (HRSG) 4x50 tons/hour (NEM – Netherlands) operation (PGP control system).
- Supervision of plant auxiliary equipment operation (PGP control system).
- Supervision of one steam turbine 1x58MW (General Electric) operation (Mark V control system).
- Supervision of transformers, MCC, electrical system and 220KV operations.

- Coordinate contact between the station and dispatch center.
- Managing the proper application of the permit to work system on site.
- Give advice, where required, to the responsible engineer for a hazard identification or risk assessment.

**Dates** : From 2008 till 2009  
**Employer** : West Delta Electrical Production Co.  
**Project** : Damanhour Combined Cycle (Gas – Steam) Power Plant  
**Job title** : Steam Turbine Operator Engineer (Mark V control system)  
**Job Description** :

- Preparing steam turbine locally before start-up.
- Start-up of steam turbine.
- Regarding steam turbine during operation.

**Dates** : From 2007 till 2008  
**Employer** : West Delta Electrical Production Co.  
**Project** : Damanhour Combined Cycle (Gas – Steam) Power Plant  
**Job title** : Plant auxiliary's Operator Engineer (PGP control system)  
**Job Description** : Disk operator engineer responsible for plant auxiliaries operation:

- Preparing plant auxiliary equipment (condensate pumps, closed cooling system, booster pumps, compressors, etc.) locally & from DCS before start-up.
- Regarding plant auxiliary equipment during operation.

**Dates** : From 2006 till 2007  
**Employer** : West Delta Electrical Production Co.  
**Project** : Damanhour Combined Cycle (Gas – Steam) Power Plant  
**Job title** : HRSG Operator Engineer (PGP control system)  
**Job Description** :

- Preparing HRSG equipment (pumps & valves) locally before start-up.
- Regarding HRSG equipment during operation.

**Dates** : From 2005 till 2006  
**Employer** : West Delta Electrical Production Co.  
**Project** : Damanhour Combined Cycle (Gas – Steam) Power Plant  
**Job title** : Gas Turbine Operator Engineer (Mark II)  
**Job Description** :

- Preparing gas turbine auxiliary equipment locally before start-up.
- Start-up of gas turbine.
- Regarding gas turbine equipment during operation.