

Holds a B. Sc. in Electrical Power & Machines Engineering and has more than 5 years hands-on experience in power stations. Can design, develop, test or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 05/03/1984

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2006  
: Working on Master degree in Electrical Power Engineering

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD  
: ETAB  
: Matlab  
: Comsol

## **TRAINING COURSES AND CERTIFICATIONS**

: Bechtel training course in electric power stations (from Nov. 2007 till Jan. 2008).

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Jul. 2012 till now  
**Project** : Cairo North Power Station  
**Job title** : Electrical Maintenance Engineer  
**Job Description** :

- Supervising the whole electrical component of MHI gas turbine including (generator and its auxiliaries, switch gear, medium voltage, low voltage motors and other electrical equipments).
- Troubleshooting and fault analysis.

- Fixing or replacing of any faulty component TCs, cards, power supply and field devices.

**Dates** : From Aug. 2011 till Jul. 2012  
**Project** : Cairo North Power Station  
**Job title** : I&C Maintenance Engineer  
**Job Description** :

- Supervising the two steam turbines control systems speed tronic (Mark VI) for HITACHI steam turbine and Alstom Controcad for ALSTOM steam turbine.
- Troubleshooting and fault analysis.
- Replacing of any faulty component TCs, cards, power supply and field devices.

**Dates** : From Nov. 2008 till Aug. 2011  
**Employer** : Cairo Electricity Production Company  
**Project** : Cairo West Power Plant extension project (unit 7 & 8) 2x350MW  
**Job title** : Electrical Installation Supervisor Engineer  
**Job Description** :

- Study the consultant tenders, contractor's bids, drawings review and attending the pre-award meeting with the consultant and the contractor.
- Supervise the erecting, testing and commissioning.
- Recommend the spare parts of the following:
  - Generator.
  - Excitation system.
  - Seal oil system.
  - H2 system.
  - Switchgear.
  - Bridge Crane.
  - MCC.
  - Load Centers.

**Dates** : From Jan. 2008 till Nov. 2008  
**Employer** : Cairo Electricity Production Company  
**Project** : Cairo West Power Plant  
**Job title** : Operation Engineer (units 5 & 6) 2x330MW  
**Job Description** :

- Keep the power station in proper operating conditions.
- Follow up the manufacturer instructions for normal operation, start-up and shut down of the units.
- Insulate any faulty equipment for maintenance.

**Dates** : From May 2007 till Dec. 2007  
**Employer** : North Cairo Electric Distribution Co. (Dept. of studies & planning)  
**Job title** : Inspection Engineer  
**Job Description** : Inspect and test the equipments of the network before installation such as cables, medium and low voltage panels, distributors, etc.

**Dates** : From Jan. 2007 till May 2007  
**Employer** : EMEC (Electro Mechanical Contractors)

**Job Description** : 

- Studying and analysis of electrical systems using computer simulation programs such as ETAB.
- Systems under study may be large power networks (generation, transmission and distribution) or ordinary small distribution systems such as hotels, industrial systems, etc.

**Key skills:**

- SIEMENS PLC programming.
- Due to my study, I can deal with electrical machines and other power system components.
- Manage & control a graphical LCD and interface it to microcontrollers.
- Microcontroller programming using assembly language (Motorola, Atmel AVR).