

Holds B. Sc. and M. Sc. in Electrical Power Engineering and has about 6 years hands-on experience in operation, maintenance and commissioning.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 18/12/1983  
Gender : Male  
Marital Status : Single  
Residence : Damanhour, El-Behira

## **EDUCATION**

: B. Sc. in Electrical Power Engineering, Al-Azhar University, 2006  
: M. Sc. in Electrical Engineering, Alexandria University, 2012

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: MATLAB Program  
: AutoCAD Program  
: ECODIAL Program  
: POWERX Program  
: DILAX Program

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Jul. 2007 till now  
**Employer** : West Delta Electricity Production Company (WDEPC)  
**Project** : Damanhour Power Plant  
**Job Description** :

- Electrical Maintenance Engineer in Damanhour Thermal Power Plant:
  - Performing the task of the routine servicing and maintenance of the boiler firing system, Soot-blowers control circuits for boiler, and control and power circuits of unit auxiliary equipment such as:
    - 66KV medium voltage switchyard with SF6 circuit breakers by ABB.
    - 66KV line isolating switches by EGEMAC.

- 66KV bus bar isolating switches 2000A by EGEMAC.
  - 6.3KV medium voltage distribution & its SF6 circuit breakers by AREVA.
  - 0.4KV low voltage distribution & its circuit breakers by MOELLER.
  - The Automatic voltage regulation (AVR) with generator by ALSTOM.
- All electrical equipment, including generators, transformers, motors, switchgear, circuit breakers, relays, etc.
- Tester Engineer in Centralized Management of Tests in (WDEPC):
  - Carry out routine tests for power transformer which as follows:
    - Insulation resistance test using megger device.
    - DC resistance test.
    - Turns ratio test.
    - Dissipation factor (tan  $\delta$ ) test, last three tests using CPC 100 & CP TD1 devices by OMICROM.
  - Carry out routine tests for C.T which as follows:
    - Burden, Excitation (knee point), C.T Ratio and polarity using CPC 100 & CP TD1 devices by OMICROM.
  - Supervise generator tests in Kafr El-Dawar Power Plants, Unit No. 3 during generator major inspection which as follows:
    - Insulation resistance test.
    - Withstand voltage test.
    - ELCID test.
  - Carry out Circuit Breaker tests (opening time, closing time and contact resistance).
  - Carry out routine test for Surge Arrestors, Resistance of Earthing systems in power plants.
  - Detect hot spot in insulations of electric networks using infrared thermal camera.
- Operator Engineer in Damanhur Combined Cycle Power Plant:
  - Unit description:
    - Total power of combined cycle unit is 150MW.
    - 4x25MW Hitachi gas turbine units controlled by Mark II.
    - 1x50MW General Electric steam turbine unit controlled by Mark VI.
    - HRSG (LP & HP Stages) NIM controlled by DCS system (PGP program).
  - Maintain the stability of the plant and optimal efficiency condition.
  - Follow safety rules and ensure close adherence to the safety, environmental and quality requirements.
  - Operate the plant (Local & Control Room) in all different operation moods:
    - Normal operation process.
    - Starting up and Shutdown process.
    - Abnormal operation and exceptional circumstances.