

Holds a B. Sc. in Electrical Power Engineering and has over 8 years hands-on experience mainly in maintenance but also in construction and commissioning of Power Stations.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 11/07/1978  
Gender : Male  
Marital Status : Single  
Residence : El-Behira

## **EDUCATION**

: B. Sc. in Electrical Power Engineering, Tanta University, 2003

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD (2D – 3D)  
: Matlab & Simulink  
: Primavera  
: Fortran 77, Assembly Language

## **TRAINING COURSES AND CERTIFICATIONS**

- : Training course in PLC, JELECOM - EGYPT Co., Aug./Sep. 2007
- : One month on-job training by ALSTOM in Massy close to Paris (France), Jan./Feb. 2006:
  - ALSPA P320 SYSTEM CL01-ES-S5-Centralog Operation & Maintenance "DCS Control".
  - Alspa P320 Distributed Control System Product Operator and plant Driving Activities.
- : One month on-job training by CONISYS in Nubaria Power Station, Jun./Jul. 2005:
  - SF6 Single Pressure Gas Circuit Breaker.
  - Disconnecting Switches.
  - Distribution System AC/DC Charger.
  - Surge Arrestor.

- Voltage Transformer.
- Current Transformer.
- Auto Transformer.
- : 50 hours training by WDEPC in Abu Qir Training Center, May/Jun. 2005:
  - Maintenance Combined Cycle.
  - Operating Combined Cycle.
- : Fire and fighting system (Chemtrol Proyectos Sistemas S.L.C., Madrid – Spain), Nubaria Power Station, Jun. 2006:
  - Operation and maintenance for fire and fighting system.
- : 96 hours GAS TURBINE operation and maintenance training program, Nubaria Power Station:
  - Maintenance of gas turbine stations (SIEMENS).
- : Site training from PETROJET Co., at MIDORE Co., Jul./Aug. 1999:
  - Construction for all electrical equipment.
- : Site training from PETROJET Co., at MIDORE Co., Jun./Jul. 2000:
  - Commissioning & start-up for electrical equipment.
- : Training course in Damanhour dealing with medium and low tension switchgears, also dealing with motor control centers (MCC) of the site (summer 2001).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Sep. 2011 till now  
**Employer** : KHARAFI NATIONAL Company  
**Project** : AL-SHABAB Power Plant (8x125MW)  
**Job title** : Electrical Project Engineer  
**Job Description** :
 

- Leading and coaching operational execution of remaining works on time completion of project.
- Preparing the electrical maintenance department with the maintenance programs for all equipment.
- Leader for the maintenance group work at the warranty period for the power plant.

**Dates** : From Jan. 2011 till Sep. 2011  
**Employer** : KHARAFI NATIONAL Company  
**Project** : AL-SHABAB Power Plant (8x125MW):
 

- Eight GE CTG units 125MW.
- Four units SCHNEIDER 6.6KV medium voltage module.
- Main substation SCHNEIDER 6.6KV and 0.4KV Load Center.
- Two units SCHNEIDER Low voltage module.
- SIEMENS GIS switchgear & GIS control.
- Two CUMMINS Emergency diesel generators.
- Eight Main Transformers HYUNDAI 16/220KV & Aux. Transformer 16/6.6KV.
- Fire system for power plant.

**Job title** : Electrical Project Engineer  
**Job Description** :
 

- Receiving electrical materials from vendors, making material receiving report (MRR) for all materials in the site.
- Commissioning and start-up for all electrical equipment in the site.

- Construction, pre-commissioning and field inspection for all electrical equipment in the site.

**Dates** : From Jan. 2007 till Jan. 2011  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Power Station I & II (2x750MW) Combined Cycle:

- Two modules, each module consists of:
  - Two Siemens CTG 250MW.
  - Two horizontal Alstom HRSG.
  - One Mitsubishi STG 250MW (HP, IP, LP).
- 220KV switchyard, 500KV switchyard.
- Four Tie transformer 500/220KV.
- Medium and low voltage switchgears.
- Eight outgoing circuit 220KV, two circuit 500KV.

**Job title** : Electrical Maintenance Engineer

**Job Description** : 
 

- Preventive maintenance program (daily, weekly, monthly, yearly).
- Make electrical maintenance for the most components of the plant.

**Dates** : From Jun. 2005 till Dec. 2006  
**Employer** : West Delta Electricity Production Company (WDEPC)  
**Project** : Nubaria Power Station I & II (2x750MW) Combined Cycle

**Job Description** : 
 

- Receiving electrical materials from vendors, making material receiving report (MRR) for all materials in the site.
- Construction, pre-commissioning and field inspection for all electrical equipment in the site.
- Commissioning and start-up for all electrical equipment in the site as following:
  - Earthing system.
  - ZTR Ukrainian Company - Commissioning by Conisys-Shaker Group:
    - High voltage transformers 500/220KV tie transformers (visual check, insulation resistance, no load loss and current, oil temp, oltc checking, primary to earth, winding temp, etc.).
    - High voltage transformers 16.5/500KV main transformers for Siemens gas turbine.
    - High voltage transformers 15/500KV main transformers for Mitsubishi steam turbine.
    - Medium voltage transformers 16.5/6.3KV auxiliary transformers.
  - Electrical equipment of steam turbine units (MELCO) Mitsubishi Electric Company:
    - Excitation transformer of steam turbine generator 15KV/600V.
    - Generator and it is panels (PT & SA, control panel, auxiliary panel, protection panel, NGR panel).
  - Switchyard of 500KV Japan AE power Systems (supplied by Consys-Shaker Group):
    - Site test on 550KV gas circuit breaker (antipumping, switching, etc.).
    - Site test on current transformers and voltage transformers (turns ratio, saturation, etc.).
  - Switchyard of 220KV (supplied by ABB):

- Site test on 220KV gas circuit breaker (antipumping, switching, etc.).
- Site test on current transformers and voltage transformers (turns ratio, saturation, etc.).
- Electrical equipment of gas turbine units supplied by SIEMENS:
  - Static excitation equipment (SEE).
  - Static Frequency converter (SFE).
  - Generator protection.
  - Batteries / charger / DC-DC converter.
- INITEC Energia, Spain:
  - Construction, pre-commissioning and commissioning for all medium voltage (SCHNEIDER EQUIPMENT), Insulation resistance, etc.).
  - Medium voltage 6.3KV switchgear with 4 incoming 6.3/0.4KV dry transformers.
  - All medium and low voltage breakers.
  - 400V bus bars MCC motors control center.
  - Insulation resistance test for all types of cables and bus ducts with high DC voltage.
  - Testing for motors (rotation direction, earthing, winding, etc.).
- INITEC Energia Spain and Global Partner Company Egypt:
  - All tests and commissioning for U.P.S. and DC system including:
    - Battery tests (charging and discharging, cell voltage, capacity, etc.).
    - Battery charger and inverter tests.
- Water treatment electrical equipment (MCC, distributed panel and motors).

**Dates** : From Oct. 2004 till Jun. 2005  
**Employer** : West Delta Electricity Production Company (WDEPC)  
**Project** : Nubaria Combined Cycle Power Station I & II (2x750MW)  
**Job title** : Electrical Maintenance Engineer  
**Job Description** : Make electrical maintenance for the most components of the plant.