

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 13 years hands-on experience working in maintenance, construction and commissioning.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 06/11/1986  
Gender : Male  
Residence : Currently Iraq

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Menoufia University, 2008

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Linux  
: AutoCAD Electrical  
: CADdy ++  
: Dialux (lighting designing app.)  
: Matlab  
: Adobe Photoshop  
: Eplan Electric P8  
: Solid Works

## **TRAINING COURSES AND CERTIFICATIONS**

: BOSIET  
: Transformers and generators maintenance, Abu Qir Training Center (2010).  
: Automation course, Abu Qir Training Center (2010).  
: Occupational Health and Safety, WDEPC (2009).  
: Safety and occupational hazards, Civil Defense Troops, Egypt (2009).  
: National unified grid operating instructions, Abu Qir Training Center (2009).  
: Thermal Power Plants operation and system control, WDEPC (2008).

- : Wind Farms construction, operation and system control, Zafarana Wind Farm, Red Sea, summer training (2008).
- : Power Plants basics, WDEPC, summer training (2006).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2017 till now  
**Employer** : GE Power & Water  
**Project** : Iraq  
**Job title** : Excitation TA  
**Job Description** : Commissioning of:
 

- EX2100e AVR.
- MCC.
- DCP.
- GCPP.
- Generator system.
- Gas and fire detection system.

**Dates** : From Mar. 2015 till Jun. 2017  
**Employer** : West Delta Electricity Production Co. (WDEPC)  
**Project** : Damanhour Power Station  
**Job title** : Electrical Maintenance Engineer  
**Job Description** :
 

- Working on implementing the RCM strategy.
- Preparing adaptive maintenance techniques for better assets management.

**Dates** : From Mar. 2014 till Feb. 2015  
**Employer** : NEM Energy b.v, Egypt  
**Job title** : Electrical Commissioning Engineer  
**Job Description** :
 

- Drum level monitoring commissioning.
- HRSG electrical auxiliaries commissioning.
- Emergency lighting system commissioning.

**Dates** : From Jan. 2013 till Jan. 2014  
**Employer** : ABB Power Systems and Automation Technologies, Egypt  
**Job title** : Electrical Commissioning Engineer  
**Job Description** :
 

- LV / MV switchgear commissioning.
- UPS system commissioning.
- DC system commissioning.
- GIS controls upgrade commissioning.

**Dates** : From Jan. 2010 till Dec. 2010  
**Employer** : NEM Energy b.v, Egypt  
**Job title** : Commissioning Engineer  
**Job Description** :
 

- HRSG electrical auxiliaries commissioning.
- Emergency lighting system commissioning.

- Dates** : From Oct. 2008 till Dec. 2012
- Employer** : West Delta Electricity Production Co. (WDEPC)
- Project** : Damanhour Power Station
- Job title** : Electrical Maintenance Engineer
- Job Description** :
  - Responsible for maintenance of all the electrical equipment on site (switchgear, generators, transformers, controls, UPS, batteries).
  - Preparing and scheduling maintenance plans.
  - Preparing and reviewing electrical drawings.
  - Providing tech. support to the tech teams.
  - Personnel oversight.
  - Supervising contractor works as per contract and reporting to the general manager.
  - Preparing tenders.
  - Processing RFI's and submittals.
- Field of experience** :
  - Accomplished, proactive Electrical Engineer with 13 years extensive experience in electrical construction, commissioning and maintenance.
  - Electrical TA / Excitation Specialist / Generator Specialist.
  - Mega power projects experienced.
  - Areas of Expertise:
    - Electrical commissioning.
    - EPC projects.
    - Construction & erection.
    - Maintenance.
    - Power transformers.
    - Turbo generators.
    - GIS.
    - LV / MV / HV switchgear.
    - Industrial automation.
    - PLC.
    - SCADA.
    - Motion control.
    - Steam power plants.
    - CCPP.
    - UPS & DC systems.
    - Electrical drawings.
    - Tenders.
    - EPlan Electric.
  - Career Highlights:
    - Awarded an exceptional raise for preserving company's assets through innovative maintenance techniques.
    - Participated in commissioning two major mega power projects (Sidi Krir 750MW CCPP – Damanhour 300MW SPP).
    - Awarded a private contract by NEM Energy b.v. to repair the drum level monitoring system of HRSG 1 & 2 of Sidi Krir 750MW CCPP.
    - Saved about 15k\$ by carrying out the erection of two MV iron clad switchgear instead of hiring a contractor.
    - Awarded for retrofitting and erecting 24 HV disconnecting switches and slashing the installation cost by 60% along with my colleges.
    - Saved the company about 50K\$ by repairing the main DC charger (220V /500A) instead of replacing it.

- Saved about 20K\$ by reprogramming the PLC based blowing systems instead of hiring a contractor.
- Introduced HV circuit breakers overhauling for the first time and succeeded.
- Saved with my colleges about 100K\$ for disassembling and overhauling three turbo-generators (11.5KV / 85MVA) instead of hiring a specialized contractor.
- Introduced for the first time RCM strategy to the maintenance departments of the company.