

Holds a B. Sc. in Electrical Power Engineering and has about 11 years hands-on experience working mainly in testing, commissioning and maintenance.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 11/01/1981  
Gender : Male

## **EDUCATION**

: B. Sc. in Electrical Power Engineering, Mansoura University, 2005

## **LANGUAGES**

Arabic : Native Language  
English : Very Good  
French : Basics

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: AutoCAD 2007 for drawing (2D)  
: VISIO drawing program  
: Networking, Switches and Routers configurations  
: Power System CAD (PSCAD), MATLAB  
: PLC and SCADA SYSTEM  
: CTS (commissioning tracking system - EMC), GOC (guidance of certification - BP)  
: SIEMENS DIGSI: Version 4, 5 and 6 used for Siemens relays  
: MICOM - AREVA software, PCM 600 - ABB software  
: GE PROGRAMMA FREJA WIN: Version 5.0, 5.1 etc. used for relays auto test equipment Freja 300  
: CMC both DOS & Window based Versions: used for Omicron Test set for testing relays  
: HMI software (prismic) BRUSH, IPScom (GE)

## **TRAINING COURSES AND CERTIFICATIONS**

: PMS (power management system), BRUSH Academy - United Kingdom.  
: Commissioning of AVR, GAS turbines (pratt, GE), BRUSH Academy - United Kingdom.

- : Remag PMG, commissioning of MAVR, BRUSH Academy - United Kingdom.
- : Commissioning of BRUSH turbo generators, BRUSH Academy - United Kingdom.
- : Safety course of petroleum pipeline and distribution, Benias Petroleum Co., Syria.
- : Plc and Scada system control, Phosphate Co., Jordan.
- : Power system protection, EEHC Training Center, Alex.
- : Computer skills course, EEHC Training Center, Alex.
- : Operation of Thermal Power Plants, EEHC Training Center, Alex.
- : Generator protection, EEHC Training Center, Alex.
- : C.T. & V.T. and protection of feeders, Network Training Center.
- : Intermediate english course, EEHC Training Center, Alex.
- : Induction green course p1, Rashpetco Gas Co.
- : Induction brown field course, Rashpetco Gas Co.
- : Permit authorized certified, Rashpetco Gas Co.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2013 till now
- Employer** : BRUSH GROUP UK
- Projects** :
- 3x25MW GTG - APR - ETHYDCO (Egypt)
  - 4x40MW GTG - FPSO -TEN Project - TULLOW (SINGAPORE)
  - 4x65MW IHI (Japan) - B. Grimm (Thailand)
  - 1x 20MW GENERAL COMPANY OF ELECTRICITY (TOGO)
  - 4x25MW Bratt & Whitney - SONALGAZ (ALGERIE)
  - 1x60MW GE - QATAR GAS - RAS LAFFAN (QATAR)
  - 10DCC SCADA (SIEMENS-GECOL) (LIBYA)
  - Re-development of PHOSPHAT CO. (JORDAN)
  - 3x12MW GE - ELGAMIL - PORT SAID - EGYPT
  - MITSUBISHI-WEDEPCO (2x650MW) (EGYPT)
- Job title** : Electrical Field Service / Commissioning Engineer
- Job Description** : Turbogenerators Start-up and Commissioning Engineer, responsibilities include testing of AVR, Protection relays, Excitation system, Lube oil system, Switchgears, GSU transformer and associated instrument transformers. SOP mainly include pre-commissioning and commissioning of gas turbine & steam turbine driven turbogenerators used for Power Plants, Utility grid stations, oil and gas and industries worldwide ranging 60MW+.
- Dates** : From Oct. 2011 till Aug. 2013
- Employer** : EMC (Egyptian Maintenance Company), RASPETCO (RASHED Petroleum Company), BG (BRITISH GAS) / EL BURULLUS Gas Company
- Job Description** :
- (ON-SHORE – OFF-SHORE) Commissioning for HILAL-B Platform (as Electrical Commissioning Team Leader):
    - Prepare the commissioning tests procedures, sqeduals and checkouts for the Electrical discipline according to IEC standard.
    - Prepare methods of statements, risk assesments, technical quires and minutes of meetings.

- Attend technical meetings with suppliers to improve the system performance.
- Gathering the project Electrical data and prepare the project data based on CTS and GOC systems.
- Review and update suppliers / vendors documents and drawings.
- Creating and update the punch list.
- Ensure that all activities and isolations meets HSSE philosophy.
- Handover the Electrical systems to operation, with the assistance of the Equipment Vendor Representative.
- Prepare modifications that should be applied.
- Carry out the electrical commissioning activities using CTS and GOC systems for the following:
  - Solar system consist of 144 solar arrayS (mitsubishi) 36,7KW total, 12 solar chargers rectifiers.
  - Dc system including 6 battery cabinets 13200 AH (NI-CD) Saft.
  - 7 Chemical injection motors and pumps skids.
  - 6 Inverters 5KW each and converters (SMA).
  - Electrical distribution system.
  - Navigation aids system including (RACON, Helidick status light, main and sub lighting, fog detector and FOG horn, sun switch).
  - Safe guard system and communication with onshore.
  - ATS system.
  - VSD (variable speed drives).
- West Delta Deep Marine (WDDM) Main Compression Project PHASE VII (as Electrical Commissioning Engineer):
  - Following up the safety instruction & rules during carrying out the activities.
  - Handover the Electrical systems to operation, with the assistance of the EVendor Representative.
  - Prepare for pre commissioning and commissioning procedures.
  - Witnessing pre commissioning and executing commissioning tests for:
    - Gas Turbine Generators (Siemens 6.72MW).
    - Power transformers.(AREVA 11/0.4KV).
    - Medium voltage switchgear (SCHNEIDER MC set 11KV) as following: Secondary injection for (SEPAM T40, G40, S20) protection relays to test protection functions overload, short.
    - Nouvo Pignone (GE) Turbo Compressors auxiliaries.
    - UPS & DC batteries chargers (CHLORIDE).
    - Low & Medium voltage (LV & MV) Cables.
    - Lighting and small power distribution systems.
    - Check Loop test and interlocking of all electrical systems with DCS.

**Dates** : From Jun. 2007 till Oct. 2011  
**Employer** : EEHC (Egyptian Electric Holding Company)  
**Project** : Abu Qir Generation Thermal Power Plant (4x150MW + 1x350MW + 2x650MW)  
**Job title** : Electrical Maintenance Engineer

- Job Description** :
  - Provide technical direction and supervision to a team of technicians and craft labour for the installation, commissioning and maintenance activities.
  - Install, test and commission for HV, MV and LV breakers, switchgear, protection relays, cables, motors, GIS and transformers.
  - Responsible of carrying out annual and periodical tests.
  - Issuing performance reports and spare parts plan.
  - Root cause analyzer.
  - Carrying out coordination studies and fault current level.
  - Performing global maintenance work activities for all equipments mentioned above during total plant shutdown.
  - Engineering design of new installations and modified electrical equipments:
    - Carrying out modification for control and protection of feeders.
    - SAS (substation automation system) and SCADA system.
    - (150, 300, 650MW) Thermal power generators 15/220KV, 25/500KV (ALSTOM-MITSUBISHI).
    - HV switchyard (220KV - 500KV), GIS equipments and power transformers.
    - Power system Protection relays (AREVA, ABB, Siemens, GE).
    - High and medium voltage transmission lines and cables up to 500KV.
    - Medium Voltage Switchgears 66, 11KV including SF6, vacuum circuit breakers.
    - Power transformers up to 650 MVA.

**Dates** : From Jun. 2005 till Jun. 2007

**Employer** : ALEXANDRIA NAVAL SHIPYARDS – EGYPT

**Job title** : Electrical Design Engineer

- Job Description** :
  - Coordination study of Electrical equipment medium voltage (11KV) / low voltage 400V / 230V.
  - Station/grid connection, MV and LV switchgear, 400V/230V.
  - Manage and coordinate the works in the Electrical discipline.
  - Supervise the quality of the engineering and construction activities related to EL discipline.
  - Review, comment, cross check and approve project deliverables (design calculations, specifications, drawings, etc.) related to Electrical discipline against project and international standards.
  - Monitor technical performance / competence / progress of contractors within the electrical.
  - Assist the preparation of the technical part of tenders in Electrical design.
  - Perform all additional duties or project works as assigned by the Superior.