

Holds a B. Sc. in Electrical Power Engineering and has about 15 years hands-on experience working in construction, maintenance and commissioning.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 28/07/1979  
Gender : Male  
Marital Status : Married  
Residence : Alexandria

## **EDUCATION**

: B. Sc. in Electrical Power Engineering, Alexandria University, 2004

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Primavera P6  
: Elite  
: HAP  
: AutoCAD  
: Revit MEP  
: Dialux  
: Power systems analysis tools (ETAP, CYME, ABB Docwin, Schneider Ecodial, Siemens PSSE)

## **TRAINING COURSES AND CERTIFICATIONS**

: L.V, H.V protection (2013).  
: Industrial systems protection (2007).  
: Fire Fighting Design (2013).  
: HVAC Maintenance (2014).  
: OSHA 30 - Certified (2017).  
: Egyptian members of the Safety Committee (2013).  
: PMP – certified by PMI (2018).

- : LEED Green Associate – certified by USGBC (2018).
- : Six Sigma yellow belt (2018).
- : Energy audit – IPA Jeddah (2018).
- : Maintenance management (2006).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2015 till Apr. 2019
- Employer** : Saudi Consolidated Engineering Company (Khatib & Alami)
- Project** : SINOPIK Refinery Extension - Yanbu, KSA
- Job title** : Senior Electrical Engineer
- Job Description** :
- Review construction shop drawings and materials submittals, as required.
  - Ensure work is carried out in accordance with relevant Codes, Standards and Procedures.
  - Monitoring execution quality and provide technical guidance.
  - Organize and participate Interdisciplinary coordination meetings.
  - Provide solutions and alternatives to power supply routing and systems satisfying SEC's standards.
  - Follow up on fabrication, construction, installation and commissioning completion techniques for:
    - Main distributor SF6 medium voltage switchgear.
    - Power transformers.
    - UPS, DC charger and batteries.
    - Low voltage motor control centers.
    - Variable speed drives.
    - Explosion proof M.V motors and compressors.
    - Explosion proof L.V motors.
    - Explosion proof lighting and power fittings.
    - Explosion proof lighting and power outlets.
    - Medium voltage cables laying, termination and joints.
    - Low voltage cables laying, termination and joints.
    - Grounding and lightning protection system.
    - Telephone network (trenches, man holes, hand holes).
    - Fire alarm system.
    - SCADA system.
    - External street lighting.
    - Electrical heat tracing system.
    - Injection current cathodic protection system.

- Dates** : From 2008 till 2015
- Employer** : Alexandria Petroleum Maintenance Co. (PETROMAINT)
- Project** : Egyptian Linear Alkyl Benzène (ELAB) – Alex
- Job title** : Superintendent Electrical Maintenance Engineer
- Job Description** :
- Lead and supervise the site man power staff technicians and foremen in all electrical day to day activities (workshop, equipment preventive maintenance, equipment corrective maintenance, and isolation & de-

isolation) to accomplish maintenance activities safely, timely, and efficiently.

- Participate in scheduling all preventive, routine, unplanned maintenance schedules and develop / review maintenance work instructions (MWI) for all electrical equipment's.
- Participate in turn around execution to meet company objectives in the areas of responsible care, quality, schedule and cost. This will include the development of turnaround plans, procedures, job safety analysis, secure required resources, plan execution, supervise Contractors and completion feedback.
- Active role in conducting electrical equipment spare parts inventory review and selection plan, while meeting the established budget and identify the required resources, tools and consumables.
- Act as Investigator in the electrical equipment incidents related through incident management system (IMS) and submit technical reports against chronic/sudden problems.
- Directly supervise the electrical equipment maintenance Activities that will include but not limited to:
  - Medium Voltage Switchgear, ABB Unigear with digital protection relays REF542.
  - Medium voltage circuit breakers maintenance and testing.
  - Low Voltage Switchgear, ABB MNS system with INSUM MCU motor control unit.
  - UPS & Rectifier Battery Charger, Chloride.
  - DCS System, Schneider Electrical Network Monitoring System.
  - VFD, (Siemens, ABB ACS800).
  - Overhead Cranes, STAHL.
  - Transformers and NER, ABB.
  - Medium Voltage Motors and compressors (Siemens, Hyundai, ABB).
  - Low Voltage Motors, (Siemens, Loher, ABB).
  - Electrical heat tracing system.
  - Cathodic Protection, ICP Industrial Cathodic Protection).
  - Explosion proof lighting equipments (Ceag, Cortem, Italsima).

**Dates** : From Oct. 2005 till Aug. 2008  
**Employer** : GS E&C  
**Project** : Egyptian Linear Alkyl Benzène (ELAB) – Alex  
**Job title** : Electrical Engineer  
**Job Description** :

- Installation, testing and commissioning of power transformers and routine tests for oil level, oil temperature, winding temperature, Buchholz relay function, tap changer and oil analysis.
- Installation, testing and commissioning of medium voltage switchgear.
- Installation, testing and commissioning of protection relays.
- Installation, testing and commissioning of medium voltage circuit breakers (SF6 and vacuum type) and testing for contact resistance and close and open time.
- Laying of Medium voltage cables laying, termination and joints.
- Installation, testing and commissioning of Motor control centers MCC.
- Installation, testing and commissioning of UPS, DC charger and NI cd

batteries.

- Installation, testing and commissioning of medium voltage capacitor bank.
- Installation, testing and commissioning of Variable speed drives.
- Installation, testing and commissioning of Explosion proof Medium & low voltage motors Including solo run and function tests.
- Installation, testing and commissioning of normal and Explosion proof lighting panels, fixtures, sockets and street poles.
- Installation, testing and commissioning of Electric heat tracing system.
- Installation, testing and commissioning of Cathodic protection equipments.
- Installation, testing and commissioning of Earthing and lightning systems.
- Substation operational engineer including isolation and de-isolation for electric equipments.
- Installation and commissioning for light current networks (CCTV, fire alarm, public address, telephone and data).

**Field of experience :**

- Electrical Key Qualifications:
  - High experience on use and interrupt international and local codes IEC, NEC, NEMA, NFPA.
  - 15 years in oil and gas industry and industrial projects.
  - 66/11KV and 11/0.4KV substations installation and maintenance.
  - Explosion proof and hazard area classification.
  - High awareness of HSE policies and hazard area classification.
  - Comply with work-permit procedures.
  - Responsible for the review of Design, installation, testing, commissioning and maintenance of :
    - ❖ M.V switchgear.
    - ❖ Ring main units.
    - ❖ Power Transformers.
    - ❖ Diesel generators and ATS.
    - ❖ Protection relays setting.
    - ❖ C.B selectivity.
    - ❖ L.V panels, MCC and VFD.
    - ❖ M.V C.B testing.
    - ❖ Power factor correction panels MV, LV.
    - ❖ UPS and batteries.
    - ❖ M.V and L.V cables.
    - ❖ Bus ducts.
    - ❖ Interior and exterior lighting.
    - ❖ Tunnels and road lighting.
    - ❖ Cables trenches, duct banks and manholes.
    - ❖ SCADA system.
    - ❖ Grounding and lightning protection.
    - ❖ IP telephone and data.
    - ❖ Fire alarm system.
    - ❖ CCTV and camera selection.
    - ❖ Public address system and acoustic study.
    - ❖ MATV system.
    - ❖ Security system.
    - ❖ Access control; system.

- ❖ BMS field devices.
- ❖ BMS devices wiring.
- ❖ Gas detection system.
- ❖ Fuel leakage system.
- ❖ All electrical works related to mechanical equipments.
- ❖ All electrical works related to sport facilities.
- The testing devices used:
  - Programa relay testing unit – GE.
  - Relay testing unit – Omicron.
  - Programa Micro ohmmeter– GE.
  - Programa C.B analyzer – GE.
  - Grounding tester – Fluke.
- Supply chain management preparation.
- Very good knowledge of mech & Inst engineering.
- High awareness ISO and HAZOP.