

Holds a B. Sc. in Electrical Power Engineering and has more than 4 years of work experience in the field of substations construction.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 20/02/1990  
Gender : Male  
Marital Status : Married

## EDUCATION

: B. Sc. in Electrical Power Engineering, Helwan University, 2012

## LANGUAGES

Arabic : Native Language  
English : Very Good  
German : Basics

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD (2007-2010-2014) 2D  
: MATLAB programming language  
: ETAP programming language

## TRAINING COURSES AND CERTIFICATIONS

: ICDL  
: PLC1 Siemens, Helwan University (summer 2011) (Certified).  
: PLC2 Siemens, Helwan University (summer 2011).  
: AutoCAD 2D, Cairo University (summer 2010) (Certified).  
: Electrical power system Distribution course.  
: Confident communication (Online course).  
: Trainings at:

- Egyptian Iron Steel Company (summer 2010).
- On Site training for gas insulated switchgear ELK-3/420 (ABB) on 2016 Al-Khafji 380/115/13.8 S/S.

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2015 till Apr. 2018
- Employer** : Alfamar Construction Company (Power & Water Sector), KSA
- Job title** : Electrical Site Engineer / Project Engineer
- Job Description** :
- Construction of Al-Badaya 115/33/13.8KV, Al-Hamra and Hail Center 115/13.8KV Substations (from Sep. 2017 till Apr. 2018) (Project Engineer):
    - Coordinate with external vendors for materials delivery and issues.
    - Coordinate with all aspects of site team for work execution and solving site issues.
    - Coordinate with all aspects of design agency for design issues and as built drawings.
    - Submission, approval and compliance statement of all as built drawings, commissioning master plan, organization chart, equipment manuals...etc.
    - Coordinate with Site Engineers and subcontractors at site for proper job execution.
    - Work under direct supervision of the project manager.
    - Reporting materials issues to the concerned suppliers and coordinate effectively to clear all site snags, punch List and NCRs.
    - Liaise with the concerned client for submittals approval and comply with the client comments.
  - Construction of HAFAR AL BATIN-6 115/13.8KV Substation (from Nov. 2016 till Aug. 2017) (Electrical Site Engineer / Active Site Manager (3 months)):
    - Work as a team member, involved in civil and mechanical works as well.
    - Reporting to the client and project management the daily and weekly progress.
    - Supervise the Sub-contractors at site, providing work plans and explain each job accordingly.
    - Liaise with suppliers for the materials delivery and keep on contact until completion of delivery.
    - Maintain the quality standards of all electrical activities as per project quality plan.
    - Estimate and Prepare BOQ of required materials for lighting, receptacles, cable trays and supports, Clamps, cable glands ...etc.
    - Overseeing installation of all Electrical Equipment.
    - Overseeing all control, LV, FOC, MV and HV cable Laying and termination.
    - Supervise Electrical functional tests, witnessed by Client Commissioning Engineers.
    - Clearing the snags related to Electrical activities.
    - Handle overall substation grounding and Lighting works.
    - Work out the issues related to electrical system.
    - Arrange the required resources for each job accordingly.
    - Reporting design and materials issues to the project team and follow up with designers and concerned suppliers.

- Keeping a record of all Site modifications.
- Maintain safety at site during work execution and following safety procedures.
- Construction of AL-KHAFJI 380/115/13.8KV Substation (from Oct. 2015 till Nov. 2016) (Electrical Site Engineer):
  - Overall substation grounding network installation.
  - Installation of all lighting, receptacles for all buildings indoor and outdoor with complete cabling network.
  - Supervise electrical cabling networks installation including cable duct banks, cable ladders and supports installation for Control, LV, MV and HV cables.
  - Fiber optic cables pulling, termination and testing as well.
  - Supervise and follow up all equipment installation (380KV GIS Manufactured by ABB, 115KV GIS Manufactured by HHI, 13.8 KV SWG Manufactured By ALFANAR, 502MVA Transformers Manufactured by HHI, 67MVA Transformers Manufactured by HHI, 150MVA Shunt reactor Manufactured by HHI, capacitor bank, auxiliary transformers, control and protection panels ....etc.).
  - Allocate the required resources for proper job execution.
  - Set work plans for proper work execution as per project schedule.
  - Participate in solving technical issues in co-ordination with project team, vendors and designers.
  - Co-ordination with testing and commissioning team for carrying out testing and commissioning activities for all Equipment and Power cables.
  - Clearing the Punch List raised by PMD&CSD.
  - Liaise with project team and vendors for clearing technical issues and comply with client requirements.
  - Make sure that the project is on schedule.
  - Risk assessment, maintain safety at site and follow safety procedures during work execution.
- Construction of WAAD AI-SHAMAL 380/132/33KV Substation (from Feb. 2015 till Oct. 2015) (Electrical Site Engineer):
  - Overall substation grounding network installation as per client approved drawings and specifications.
  - Lighting works.
  - Cable tray/ladders installation.
  - Control, LV Power, MV power cable laying and termination.
  - Supervise installation of 502MVA Power Transformers Manufactured by Alstom.
  - Supervising the installation of 132KV GIS Manufactured by HHI.
  - Supervising the installation of 380KV GIS, 33KV SWG (Manufactured by Siemens).
  - Co-ordinate with subcontractor at site, developing work plans for work executions as per project schedule and Priorities.
  - Reporting site daily and weekly progress.
  - Coordinate with testing team at site for performing Pre-commissioning plan of all apparatus and equipment, provide required approved drawings, documents, FAT reports, manpower and tools ....etc.

- Discuss job technical requirement with the clients and Site team.

**Dates** : From Dec. 2013 till Dec. 2014

**Employer** : Semac Automation

**Project** : El-Kattamya Cement Company (Ital-Cement Group)

**Job title** : Electrical Site & Design Engineer

**Job Description** :

- As Electrical Site Engineer:
  - Engineering Design, Erection and Commissioning of electrical system for raw mill 1 & 2 Bag Filter.
  - Installation of power and control cables of the new air blast system in the pre-heater tower.
- As Electrical Design Engineer:
  - Motor Control Center: Design of Incoming Circuit Breaker, Control Circuit with PLC Interface, Motor Starters (1-Way, 2-Way, Y/Δ) including power cable sizing, Control circuits and its components. All wirings with PLC Digital and Analog Interface Signals).
  - Digital and Analog Marshalling Panel: Design Installation of racks or nodes, Power Supply, Cards, Communication Module, Mirrors, and all wirings.
  - Low Voltage Distribution Board:
    - ❖ Design and installation of CB's, Bus bars and all Feeders.
    - ❖ Supervising of Building up Panels and preparing them for the site.

**Field of experience** :

- Overseeing the installation of all Equipment.
- Serve as a member of the project team and provide technical advices within my area of expertise.
- Co-operate with civil team at site for all building construction.
- Working on Quality Assurance and Quality Control Program as per client approval.
- Follow with the suppliers the materials delivery and materials issues.
- Coordinate with testing & commissioning team for carrying out all testing and commissioning activities from the pre-commissioning stage up to HV test and energizing.
- Coordinating with the external vendors and participating in various meetings.
- Handling and guide foremen and supervisors for all cable pulling and termination (Control, LV, MV, HV and FOC).
- Set plans and strategies for work execution.
- Liaise with design team members for providing IFC drawings and clarify the design issues.
- Liaise with project engineer for the materials' submittals and approvals.
- Liaise with subcontractors at site for work implementation, developing work plans, explain job requirement and method of statement for each job accordingly
- Attend on site meetings. Participate in solving site issues i.e. materials and design issues.