

Holds a B. Sc. in Electronics & Communication Engineering and has over 9 years hands-on experience working in E&I construction, commissioning and QA/QC.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 09/05/1987  
Gender : Male  
Marital Status : Married  
Residence : Assiut

## EDUCATION

: B. Sc. in Electronics & Communication Engineering, Assiut University, 2010

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: Revit  
: AutoCAD  
: VBA programming

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Feb. 2017 till now  
**Employer** : Bechtel Oil, Gas & Chemicals  
**Project** : West Nile Delta Gas Development (IDKU), Alexandria, Egypt  
**Job titles** : Electrical & Instrumentation Superintendent / Electrical & Instrumentation Completions Engineer  
**Job Description** :

- Electrical & Instrumentation Superintendent:
  - Supervise and coordinate daily with subcontract representatives on Electrical/ Instrumentation activities.
  - Responsible for ensuring that tools & equipment's are maintained, inspected & operated according to the project requirements & procedures.
  - Ensure current revision documents are utilized for installation.
  - Responsible for the implementation of project policies, procedures

- and instructions as assigned.
- Review and verify Electrical detailed DWG. and P&IDs or other project documents as assigned.
- Support & contribute in permit to work/work authorization as assigned.
- Support and contribute to Bechtel zero incident program as assigned.
- Liaise, arrange and handover with back to back for shift changes.
- Finish site works within time schedules and budgets.
- Hold weekly progress meetings with subcontractor to validate provided input and ensure progress is following the project schedule & contract requirements.
- Prepare timely progress reports and coordinate with the management.
- Provide accurate information and data to management for inclusion in progress reports.
- Attend coordination meetings with project team, client, contractors, sub-contractors and other stakeholders.
- Review and verify corrective actions established from NCR's and discrepancy reports.
- Prepare the as-built drawings.
- Electrical & Instrumentation Completions Engineer:
  - Manage Work inspections and punch list on TEAMWORKS, Citrix, SETROUTE and InfoWorks programs.
  - Track system close out and report to PM in line with turnover.
  - Report completeness of construction activities and advise PM of deficiencies by way of report.
  - Ensure all pre-energization & commissioning activities are witnessed by and signed off as accepted.
  - Ensure compliance with the mechanical completion procedure that aligns with the project milestones.
  - Coordinate with Construction Quality group to ensure records are properly prior to status update in the TEAMWORKS.

**Dates** : From May 2016 till Feb. 2017

**Employer** : ORASCOM Construction Industries

**Project** : New Assiut Combined Cycle Add-on 2x250MW Power Plant

**Job title** : Electrical & Instrumentation QA/QC Team Leader

**Job Description** : Leading team of engineers, inspectors and technicians at the following:

- Creation of high Quality ITPs (Inspection and Test Plans), Check lists, Method of statement and procedures as per Industry standards and Customer requirements.
- Continuous improvement of ITPs to incorporate Customer feedback and lessons learned.
- Working with Suppliers and Vendors to ensure products are manufactured in accordance with Contract requirements.
- Inspection and supervisor for Erection and Testing for all Electrical Activities:
  - Steam Turbines, Generators, Transformers, GCB, IPB, Motors, ACC, GIS and Fuel oil treatment.

- MV and LV Switch gears and HV, MV, LV and Control Cables (Megger, HI pot Test).
- Inspection and supervisor for Erection and Testing for all Instrumentation Activities:
  - Temperature, Pressure, Flow, Level and vibration Transmitters, Elements and Indicators.
  - Control Valves, Motorized Valves, Safety Valves and Hydraulic Valves.
  - Instruments Tubing and Instrumentation air lines.
  - DCS, Control Panels, Optical Fiber, HMIs, Ethernet and Topology of the power plant.
- Implement / prepare quality procedures and documentations systems considering the project requirements and needs.
- Preparing analysis of NCR's (Non-Conformance Reports) and timely presenting to respective project leaders for corrective and preventive actions.
- Closing of NCR's on Quality audits in discussions with concerned site In-charges.
- Review method of statement.
- Ensure the works result meet clients and Project Contractual requirements regarding the Quality Standards.
- Regular Daily Site visits to ensure QA Procedures are applied properly.
- Participate with the construction team to close all punch list items.
- Participate with commissioning team in first fire for the turbines, back energize, Steam Blow & hot cleaning.
- Prepare Turnover packages TOP with all required documentation.
- Giving suitable training to students, fresh graduates and junior engineers to prepare them for work independently.

**Dates** : From May 2015 till Apr. 2016

**Employer** : ORASCOM Construction Industries

**Project** : New Assiut 8x125MW Simple Cycle Fast Track Power Plant

**Job title** : Electrical & Instrumentation Senior QA/QC Engineer

**Job Description** : Leading team of two junior engineers and five inspectors at the following:

- Implement / prepare quality procedures and documentations systems considering the project requirements and needs.
- Coordination with Customer Quality Team for timely approval and implementation of the ITPs.
- Supporting inspections and walk-downs and ensuring customer witness and check points adhered to.
- Testing equipment at site (electrical Switchgears, Transformers, Motors, GCB).
- Review and test all cables (MV, LV, control (including DCS) and instrumentation cables) and make sure it is connected correctly according to wiring diagrams, cable list, and SLD.
- Testing motors, cables and Equipment at Heavy Fuel Oil Treatment plant (HFOTP), Forward fuel Tanks station and water treatment station.
- Hi pot voltage test on switch gears Bus bars and MV Cables.
- Following HV Cables erection and testing.
- Participate with commissioning team in first fire for the turbines, back

- energize and HV Testing for GIPs
- Prepare Turnover packages TOP with all required documentation.

**Dates** : From Jul. 2014 till Apr. 2015  
**Employer** : ORASCOM Construction Industries  
**Project** : AS-SALAM International Hospital Renovation, El Maadi, Cairo  
**Job title** : Electrical QA/QC Engineer  
**Job Description** :

- Inspection project materials and make sure it complies with specifications.
- Responsible for hand over all electrical works to consultant.
- Monitor and analyze the results of tests and measurements, maintain critical records and documents related to quality assurance.
- Inspection of Materials on receipt at site to ensure they are free from defects and supported with the correct material certifications.
- Inspect and review all electrical works in site and make sure it complies with shop drawings, standards, specifications and project requirements for the following systems:
  - Power, Lighting and Earthing systems.
  - Electrical requirements for Medical equipment areas such as (Simulator, Linear accelerator, CSSD, intensive care, Patient and operations rooms).
  - Light current systems (Telephone, Data, Fire alarm, Firefighting (FM200 & CO2), Building management system (BMS), Public address, Nurse calling, Access and security, and satellite.

**Dates** : From Feb. 2013 till Jul. 2014  
**Employer** : ORASCOM Construction Industries  
**Project** : BAIJI Gas Power Plant 6x160MW Project, Baiji, Salah Eldeen, IRAQ  
**Job title** : E&I Site Engineer  
**Job Description** : Manage work operation involving erection and installation of Gas turbine (type SGT5-2000E (CO)) central control building & switch gear with the following activities:

- All turbine skids (lube oil, Fuel Oil, Turning Gear, Hydraulic, Exhaust Gas, Air intake & Fin fan cooler).
- Black Start and Emergency Diesel Generators.
- MV and LV switchgear panels with Megger and hi-pot test for all cables and panels prior to energizing.
- DCS system including pulling and connection of control cable.
- Electrical installation for Power control center (PCC), Main Generator (15.7KV) and Isolated Phase Bus Duct (IPB).
- Filling H.V. Bus Ducts with SF6 Gas.
- M.V installation and Transformers Testing.
- Heat tracing system.
- Installation of instruments, Cable laying, conduit installation, Hook-up inst. for the following devices (pressure transmitter, temp. element thermocouples, vibrometer, humming, tribune speed, IGV limit switch, Flame monitor, accelerometer, and continues emission monitoring system ...etc.

**Dates** : From Aug. 2010 till Feb. 2013

**Employer** : ORASCOM Construction Industries

**Projects** :

- MIVIDA Villas Project (Parcel 5), New Cairo City
- Housing and Development Bank Headquarters Building, 5th Settlement, Cairo

**Job title** : Electrical Site Engineer

**Job Description** :

- Direct and monitor the site work crew and subcontractors to ensure compliance with the specifications, plans, drawings and project requirements.
- Finish site works within time schedules and budgets.
- Prepare timely progress reports and coordinate with the management.
- Participate in obtaining approval from client / consultant for all electrical drawings / materials.
- Provide accurate information and data to management for inclusion in progress reports.
- Attend coordination meetings with project team, client, contractors, subcontractors and other stakeholders.
- Review and verify corrective actions established from NCR's and discrepancy reports.
- Prepare the as-built drawings.
- Quantity surveying of the materials for each trade.
- The jobs execute under the OSHA safety standard (29 CFR 1926) for construction safety and health in sites.

**Field of experience** :

- Electrical and Instrumentation Engineer with 9 years experiences in execution projects from development to delivery encompassing construction of new projects, renovation works and Fast track projects.
- Held several positions such as Field Team Leader, QA/QC Team Leader and Completions Engineer.
- Excellent experience in all stages of project execution from the infrastructural, construction, testing, commissioning and hand over stage.
- Experience in construction of administration buildings, residential, hospitals, Oil & Gas and Power Plants projects.
- Power:
  - Oil filled Transformers.
  - Dry Transformers.
  - LV & MV Cables.
  - LV & MV Motors.
  - High voltage (HV) Cables.
  - MV & LV Switchgears and MCCs.
  - Heat Ex-changers.
  - Heat tracing system.
  - Batteries and UPS Systems.
  - Batteries monitoring System (BMS).
  - Water treatment Plants.
  - Power Hydraulic systems.
  - Hydrogen filled Generator.
  - Isolated Phase Bus Duct (IPB).
  - Generator Circuit Breaker.
- I&C:

- Distributed Control System (DCS).
- Pressure instruments.
- Temperature instruments.
- Flow instruments.
- Level instruments.
- Instruments Termination.
- Instruments Calibration.
- Instruments Operation.
- Fiber Optic.
- Loop Check.
- Function Testing.
- Motorized Valves.
- Pneumatic Control Valves.
- Hydraulic Control Valves.
- Flow & Process Diagrams.
- Steam Water Analysis SWAS.
- Continuous emissions monitoring system CEMS.
- Chemical Treatment Skids.
- Piping & instruments diagrams.
- Residential:
  - Small Power.
  - Lighting.
  - Fire alarm.
  - Data and Telephones.
  - Nurse calling System.
  - Security.
  - Master Clock.
  - Satellite Systems
  - Building Management Sys.
  - Paging, Access.
  - Building Substation.
  - Ring Main Unit (RMU).
  - Isolating transformers, UPS.
  - Grounding.
  - Lightning.