

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 4 years hands-on experience working in E&I field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 07/12/1988  
Gender : Male  
Marital Status : Married  
Residence : Fayoum

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Fayoum University, 2011

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Autodesk Navisworks Manager 2017  
: Matlab  
: AutoCAD 2007  
: Eagle  
: Visual Basic

## **TRAINING COURSES AND CERTIFICATIONS**

: ICDL (International Computer Driving License).  
: Web design and Web developer Course.  
: Internship at different Departments of the Egyptian Salts & Minerals Co. Fayoum (EMISAL).  
: Basics of PLC "S7-300" course.  
: Industrial Application using PLC course.  
: Maintenance of Distribution Panel Boards course.  
: PLC – Automatic Control System course.

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2017 till now
- Employer** : THYSSEN KRUPP INDUSTRIAL SOLUTION
- Project** : Silver Fox Project
- Job title** : Electrical & Instrumentation Construction Engineer
- Job Description** :
- Study all technical drawings, documents and any revisions thereon.
  - Raising technical query for any conflict information within the project technical document.
  - Prepare comparison report between tender documents and IFC documents in terms of materials quantities, specification and scope of work to commercial department to claim any variations in project objectives.
  - Assisting Construction Manager in advising on construction methodologies in coordination with other disciplines / contractors / subcontractors prior to construction.
  - Assisting Construction Manager in supervising the construction in terms of proper method, material reservation and optimum output of labor.
  - To engage with planning department to define project activities within the scope of work.
  - Engaging with procurement and planning departments for defining the materials required to execute the project and provide the technical support required to select the proper materials.
  - Review the technical submittal of materials and ensure its compliance with project specifications.
  - Following obtaining of drawings and materials approvals and give full and extensive instruction to his team.
  - Execute the works according to the latest approved revision of drawings and /or instruction of authorized authorities.
  - Following up of progress planning and arranging all its requirements and Monitoring of Subcontractor's performance.
  - Ensuring that any variations and instructions received from the client are incorporated into the latest construction issue drawings and auctioned by the construction team.
  - To pass all instructions issued to him by the authorized representatives to his manager to handle contractually prior to commencement. However, in some cases he should act immediately and then report.
  - Analyzing and resolving field problems.
  - Maintain an awareness of all potential risks to the company's day to day objectives and progress of the works, this applies to commercial risks due to delays, non-performing direct labor, sub-contractors etc. and or delays by others (3rd parties), observing and adhering to company PQP's and QHSE plans.
  - Following up the Erection for all the Electrical activities such as cable tray, power conduit, cable pulling and cable terminations.
  - Testing the Control, low voltage and Medium voltage cables by the suitable test.
  - Installation and test the installation for the grounding system.
  - Installation for building Fire Alarm (conduit and wire installation, heat detector, manual station, horn, Flasher ...etc.).
  - Monitoring day to day activities it's on line or not as per the Quality

Management System and the project specifications.

- Installation for the Cathodic Protection system for the Underground Pipes and tanks.
- All Detector's, Transmitter's, Control Switch's, Control Valve's, Gauge's for (Flow - Temperature - Level - Pressure) measurement's with Choosing the best position for this Instrument to make minimization for our Material (Tube, Pipe & Connectors).
- Installation the Instrument Air Piping for Control and Solenoid Valves.
- Prepare the Punch list Items for each system with the Owner of the project on the walk-down.
- Inspect each item from the punch list with the Sub contractor to close it.
- Installation of all the grounding system (Laying the Underground Cable – Erection of the grounding Bar and Plate – grounding Rods Installation – Cable termination – installation for the earth Pits).
- Grounding system resistively testing.
- Erection for the Power System (Power Cable tray and power conduit).
- Erection for the Lighting system (Supports – Lighting Conduit – Mounting the Lighting Fixtures).
- Installation of the lighting and power panels.
- Support fabrication of the power Junction Boxes and location selection according to the site condition.
- Termination for the power and Control cables at classified areas (hazard area) by using Barrier type gland.
- Discuss with the Owner the final requirements of the site.
- Inspection with the main Contractor for all the work which was done in all the area.
- Inspection with the main Contractor and the client for hand over all the activity which done in the area.
- Punch-list items clearing prior to system hand-over.
- Material take-off, plus manpower estimation.
- Make a Complete study for all the Drawings to purchase the fitting which required to make the installation for the activities and also if any supports we need to Fabricate.
- Make Coordination between the Underground Piping Drawing and the Grounding Layout Drawing to indicate If there are Obstructions between them or not.
- Study the Steel Structure Drawing to see that if the Steel Structure Supports will be serving our Cable Trays and to indicate the Places which we will make the installation of the additional Support for the Cable Trays.
- Prepare the package for the Solo-Run and the pre-commissioning Test.

**Dates** : From Jun. 2016 till Jan. 2017  
**Employer** : ANSALDO ENERGIA  
**Project** : Giza North Power Station 3x750MW Combined Cycle  
**Job title** : Maintenance & Warranty Engineer  
**Job Description** :

- Attending all the Scheduled Start-ups and Shutdowns for being sure of the proper operation of the steam turbine.
- Preparing a schedule of the preventive Maintenance Program for the (Steam Turbine, Turbo Generator and all the auxiliaries).
- Attending both corrective and preventive maintenance work orders for

advising and being sure of doing the suitable maintenance.

- Coordinate with the customer support for solving the warranty defect notices.
- Solving all the warranty defect notices that can be handled on site (Instrumentation, Electrical and Mechanical).

<b>Dates</b>	:	From Dec. 2013 till Jun. 2016
<b>Employer</b>	:	ANSALDO ENERGIA
<b>Project</b>	:	Giza North Power Station 3x750MW Combined Cycle
<b>Job title</b>	:	Instrumentation & Commissioning Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• Participate in all site inspection testing under project inspection and test plan ITP.</li><li>• Responsible to walk through and turn over all systems from construction to commissioning.</li><li>• Witness all required tests as per inspection and test plan.</li><li>• Reply for client consultant surveillance notices with reference to contract technical specification.</li><li>• Instrumentation (LT, FT, PT, TT, VT, ...) calibration, installation, termination, loop check.</li><li>• Install all field instruments for all systems around the plant such as pneumatic valves, transmitters, indicators, vibration sensors, steam turbine instruments.</li><li>• Provide inspection and received the material.</li><li>• Worked with commissioning team for loop check process.</li><li>• Supervise the instrumentation group for performance and provide technical assistance to resolve the instrumentation problems.</li><li>• Supervising the calibration for all pneumatic valves.</li><li>• Supervising the commissioning team work for preparing all instruments and pneumatic valves.</li><li>• Check the all field instruments are installed correctly as per drawings.</li><li>• Check that the instruments devices related cables are agreed as the last engineering wiring diagram.</li><li>• Supervise the Instruments Calibration process.</li><li>• Review the documents, datasheets and drawings.</li><li>• Supervise the Loop Check and Function test for all I/O signals instruments and electrical equipment's up to the DCS (ABB).</li><li>• Support the construction team and make the AS-Built for the different instrument installation cases.</li><li>• Support the Commissioning &amp; Start-up Team working.</li><li>• Troubleshooting Fixing during the Commissioning and Start-up work period.</li><li>• Worked as Commissioning Engineer for all Instruments and Valves (Gas &amp; Air).</li><li>• Co-ordinate with the start-up team for field walk down, Punch list and turnover package.</li></ul>