

102565-ELE-45CDESbmx-E-2017

Senior Electrical Engineer

Holds a B. Sc. in Computer & Automatic Control Engineering and has over 5 years experience working in designing and implementing integrated solutions and systems, mainly EPC, Industrial and MEP projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/08/1994
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Computer & Automatic Control Engineering, Tanta University, 2017

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD, AutoCAD P&ID, ETAP, EPLAN, Dialux, Dialux Evo, SIEMENS SIMATIC, WinCC, TIA, OPC, NI LabVIEW

TRAINING COURSES AND CERTIFICATIONS

: HSE and Safety Training, EXXONMOBIL (2020).
: Automation Diploma, Egyptian Company for Engineering Training (EGY CET) (2017).
: The 3rd International Under-Graduate Research Conference, Egyptian Military Technical College (Jul./Aug. 2017): Participated in the graduation projects competition and get the third place.
: Fire and Gas Detection Systems, Jelecom Center (2023).
: Low Current Systems, Jelecom Center (2022).
: Electrical Power Distribution Systems, Jelecom Center (2022).
: Industrial Communications, EGY CET (2018).
: SCADA System Design and HMI Programming, EGY CET (2017).
: PLC Programming, EGY CET (2017).

- : Electrical Drives (Inverters), EGY CET (2016).
- : Classic Control, EGY CET (2016).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2022 till now
- Employer** : EnerDyn Global
- Job title** : Senior Electrical Engineer
- Job Description** :
- Lead E, I&C technical office team in multiple discipline including engineering phase, tendering, planning, cost control, and document control.
 - Holding the site and construction activities including (Installation, testing, commissioning, and troubleshooting).
 - Study project documents, drawings, specifications and bill of quantities (BOQ) to coordinate the technical aspects of the project.
 - Preparing and follow up technical and material submittals till obtaining approvals from the Engineering consultant.
 - Prepare engineering calculations, designs, technical proposals, shop drawings, technical proposals, and construction method statements, ITP, MIR, IR, VO, schedule, and execution plan for electrical, detection, control, power and low current systems, instrumentation and electrical equipment and follow up with the client till obtaining approvals.
 - Coordinate with the suppliers all technical data and information preparing subcontractor tender packages including drawings BOQs and related specifications and discuss technical proposals in coordination with the procurement department.
 - Follow up the general specifications, standards and market requirements
 - Familiar with the risks and hazards within the activities and processes of the role and procedures, practices and measures in place to mitigate the risks.
 - Generate control system and instrumentation specifications and design.
 - Testing, evaluating, modifying and calibrating products and instruments.

- Dates** : From Sep. 2018 till Jul. 2022
- Employer** : Solutions for Trade & Technology Co.
- Job title** : Electrical Project Engineer
- Job Description** :
- Head of procurement and sales department.
 - Holding the site activities including (Installation, testing, commissioning, and troubleshooting).
 - Supervising and executing cable trays, cable routing, pulling, and laying as per design requirements.
 - Design, develop, upgrade, installation, testing and commissioning of PLC, HMI and SCADA systems and all kinds of electrical panels.
 - Prepare and review of site surveys, technical reports, I/O List, process control description, P&IDs, cable schedule, wiring diagram, layout drawings.
 - Procurement spare parts and project components from the local and international market, making offers and follow up with the clients.
 - Planning maintenance schedule (Preventive & Corrective) for the

production lines including the scheduled spare parts change for filling, mixing, capping and packing machines.

- Prepare technical studies, technical and financial offers for the projects.
- Maintain and increase production efficiencies as well as troubleshoot problems, identify and implement solutions.
- Prepare safety inspections, MOS, HIRAC, and ensuring HSE requirements, tools and site safety.

Projects:

- WASCO Plant Firefighting System, Fire and Gas Detection System Extension and Upgrade, AL WASTANI PETROLEUM COMPANY (Jan. 2023 – Present): Design, installation, testing and commissioning of E, I&C package for Firefighting, Fire and Gas Detection System.
- Supply & Installation of Auto Flare Ignition System at BED-1 Site, Western Desert Operating Petroleum Co. (WEPCO) (Jan. 2023 – Present): Design, installation, testing and commissioning of E, I&C package for Auto Flare Ignition System.
- DOW Fire Alarm Project, DOW MIDEAST SYSTEM (Nov. 2021 – Jan. 2022): Supervision of the installation, testing and commissioning for the new Notifier fire alarm system, Co2 and FM200 suppression systems.
- Chiller System Upgrade Project, DOW MIDEAST SYSTEM (May 2021 – Aug. 2021): Replacement, renewal and add new features to chilled water system.
- Water Meter Casting Machines Project, MAASARA for Engineering Industries (Sep. 2020 – Nov. 2020): Upgrade and add new features to the control system of water meter casting machines.
- 141B Phase-Out Automation Project, DOW MIDEAST SYSTEM (Mar. 2020 – Nov. 2020): Upgrade and add new features to DOW blending control system, Hotboxes and Coldbox.
- DOW Firefighting Project, DOW MIDEAST SYSTEM (Dec. 2019 – Feb. 2020): Upgrade DOW firefighting pumps with Aurora firefighting pumps.
- OCME Automatic Filling Line 5-liter Maintenance, EXXONMOBIL (Mar. 2019 – Nov. 2019): Supervise the preventive and corrective maintenance of the production line machines and tanks cleaning activities.
- CFT Automatic Filling Line for Edible Oil Pet Bottles 700-800ml (25,000 BPH), SAVOLA AFIA (May 2019 – Jun. 2019): Supervision of the electrical team in the construction activities including the installation of production line machines, air ventilation, instruments, power and control panels, cable trunk, power- control and communication cables.
- DOW Automation and Piping Project, DOW MIDEAST SYSTEM (Nov. 2018 – Jan. 2019): Upgrade DOW operating system from manual to fully automated.

Field of experience : Electrical Design, Electrical Shop Drawings, PLC and HMI Programming, Industrial Communications, SCADA, Sensors, Instrumentation, Lighting, Earthing, Fire Alarm, Fire Suppression, MEP, CCTV Camera, Electrical Panel, Control Panel, Tendering, Cost Control, Process, Re-engineering, Procurement, Risk Assessment, Method of Statement.