

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 3 years experience working as Secondary Design Engineer and Project Coordinator Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/04/1995
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2018

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Project, MS Visio
: E3 for Electrical Schematics drawing
: Dialux Lighting distribution software, AUTOCAD, Ecodial
: REVIT MEP basics
: ETAP software (load flow, short circuits studies, design of grounding system, relays co-ordinations using Star module)
: PVSYST and PVSOL Software for Solar system design
: Primavera P6 basics (Online self-learning) for planning techniques

TRAINING COURSES AND CERTIFICATIONS

: UTW-9 Program (Scholarship - ranked 10th) at Engineering Consultants Group (ECG) (from Jun. till Sep. 2017):

- Technical Sessions: Electrical distribution professional.
- Site visits: Schneider head office, 3-Brothers Factory, BE-EATON, Fagerhult.
- Mid project: Designing all electrical works for Umm al-Qura University building.
- Graduation project: Designing all electrical works for Universal

- managerial building.
- : Advanced Energy Systems (ADES) for Petroleum Services (Internship program) (Jul. 2017): In Maintenance Department, The Drilling operation, Preventative maintenance Documents Life cycle and Rig maintenance flow chart.
- : Invensys acquired by Schneider Electric (Internship program) (Aug. 2017): Training on Invensys product in industry control, TRICONEX (PLC) & FOXBORO (DCS).
- : ABB Egypt "Orientation Program" (Sep. 2016): Attending Technical sessions at ABB headquarter and factory tours as well, concerning by low and medium voltages products proposals.
- : ELSEWEDY ELECTRIC T&D (Summer Training) (Aug. 2016): Introduction to substation, single line diagram and site components for protection, Introduction to Project Management and planning, Soft skills, Interviewing and Presentation skills.
- : SCADA Innovations "Training Program" (Jul. 2016): Introduction to SCADA and control systems.
- : National Energy Control Center (NECC) (Aug. 2015): Classic control training sessions.
- : PMP (Project Management Professional) Online certified courses (Udemy and Coursera).
- : Power stations technical tours for different types of power stations:
 - North Cairo Thermal Power Station.
 - El-Zafarana Wind Power Station.
 - El-Kureimat Solar Power Station.
- : On Graduation Project Training (from Feb. till May 2018): El Sewedy Power System Projects (PSP) Company provides the project team with a twenty Technical session program along three months including Substation Layout, and configurations. Sessions provide part of the design procedure and all technicalities that guide the design steps, and also Elsewedy electric engineers supervise the team work and enhance the practical solutions with the tasks revision and provide support through helpful Software like (ETAP, E3 and AutoCAD).
- : On job training (from Dec. 2017 till Jun. 2018): Under supervision of ElSewedy Electric T&D, the project is a design of protection single line diagram, relays and metering schemes, and CT & VT verifications (Secondary work) for indoor AIS Substation 66/22KV, with 2 x 40MVA Transformers. The design includes design of grounding system according to general layout for substation. The project is discussed and reviewed under supervision of ElSewedy secondary engineers.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2022 till now
- Employer** : El-Sewedy Electric T&D
- Job title** : Project Coordinator Engineer
- Job Description** : Deal with all the Power substations project aspects as follows in office and Site:
 - Manage and controlling of EPC projects in the field of power substation with the target of scheduling, construction and documentation.
 - Monitor and control project progress performance throughout project lifecycle, obtain, verify deliverables, attend status meeting, provide

- performance and status reports, forecast project completion.
- Developing Procurement Plan and participating in contracts review with sellers.
- Price Negotiation with sub-vendors and participation in vendor selection Process to ensure effective delivery of the project on time and within the allocated budget.
- High-level management of daily site activities and operation progress.
- Close management to procurement and purchasing execution Process.
- Supervise all phases of engineering design, material procurement for assigned projects.
- Coordinate internal and external communication, vendor relationships, training plans and transition to the support team.
- Managing the project to ensure the cash flow and project reviews.
- Ensure the execution in short-term.
- Integration meeting and brainstorming session to prepare all project requirement.
- Follow the supply chain team of the project to finish all procurement.
- Follow DWG and Vendors MS approval in EETC, Owner and consultant.
- Follow up with stockholders like (owner and suppliers) to close all problems related with the Project.
- Review the weekly and daily reports for Project progress.
- Study the project requirements before working on project.
- Always work and act as a team player and act as point of contact and support.
- Supervise and support project team members and ensure effective co-ordination of all project related activities.
- Ensure successful project close out process.

Dates	:	From Sep. 2018 till Dec. 2021
Employer	:	EI-Sewedy Electric T&D
Projects	:	<ul style="list-style-type: none"> • Toshka -4 220/66/22KV GIS Substation • Yellen Project – 90/33KV HV SS in Burkina-Faso • Extension of Toshka-2 SS to be 500/220/66/22KV GIS Substation • BADR II 220/66/22KV GIS / AIS Substation • Canal Sugar Factory 220/22KV GIS Substation • CANRCC Upgrade Project (upgrade 118 S/Sts – CANAL Regional Control Center) • Cairo Capital main S1 GIS Substation 500/220/66/22KV • Sarai 220/22KV GIS substation (Tender only)
Job title	:	Secondary Design Engineer
Job Description	:	<ul style="list-style-type: none"> • Deal with all the substation project aspects as follows in office: <ul style="list-style-type: none"> - Preparing Substation Single Line Diagram. - Preparing Substation Protection Logic Diagram. - Preparing Relaying & Metering Single Line Diagram. - Studying Project Technical Specifications, Scope of Work (SOW) & Tender Documents. - Preparing Bill of Quantities (BOQ). - Interface and coordinating with primary equipment. - Modifications of Existing Control, Protection & Metering Panels in Remote End Substations. - Reviewing GIS & MV Switchgear CT / VT Data.

- Reviewing Manufacturer Power Transformer Base & Detail Design Schematics.
- Reviewing Manufacturer Relay & Control Panels such as Line, Transformer, Busbar, Capacitor, Bus Coupler / Section, Under-voltage / Under-frequency Load Shedding, energy Metering, Synchro-check and Trip Circuit Supervision Panels.
- Preparing Control Cable lists & Control Cables termination.
- Design of LV AC/DC systems for substations (LV C.B and cables sizing).
- Preparing the technical submittals requests for purchasing & BOQs.
- Review the schematics diagrams and make markup drawings.
- Modify the schematics drawings to provide the required functions.
- Skilled in inspection and testing the control & protection panels, AC Panels, DC panels & H.V/V SWGRs.
- Prepare the loose material (terminals blocks, Aux. relays & control circuit accessories) quantities and approve the purchase orders.
- Design the required adaptation work in each MV/HV SWGR to transmit status and commands signals for Control centers upgrade projects.
- Making As-Built drawings.
- Prepare tenders BOQs, control & LV cables list and BOQ, and Main SLD.
- Create smart Excel file to calculate accurately the LV & Control cables list of high voltage substation within an hour based on the Substation general layout.
- Dealing with Oracle system for Item Codes.
- Assist project manager in technical meeting with client.
- Clear any highlighted issues during FAT& SAT of equipment in order to reach the client satisfaction and deliver our work.
- Deal with Fast track project criteria.
- Act as Testing & Commissioning Engineer at sites:
 - Managing all site activities regarding secondary scope when needed.
 - Inspections and testing support at site till energizing.
 - Lead technicians team to make the required modifications in the control and protection panels and schematics drawings.
 - Make all commissioning activities required at site and submit test reports.
 - Make continuity and scheme tests.
- Achievements could be considered:
 - Create smart Excel file to calculate accurately the LV & Control cables list of high voltage substation within an hour based on the Substation general layout.
 - Create a presentation shows the secondary scope lessons learned after each project to minimize the looped and repeated mistakes.
 - Join students training programs as a secondary design instructor at ELSEWEDY T&D head office.