Eslam Sayed

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○ Portfolio

Professional Summary

Dynamic Electrical Power and Control Engineer with hands-on experience in **LV distribution** and **industrial automation**. Skilled in designing and shop drawing for lighting, power, and low current systems, panel schedules, and power calculations (load, short circuit, voltage drop). Proficient in **AutoCAD**, **Revit**, **Dialux EVO**, and **Ecodial**. Experienced in **PLC/HMI** programming, control panel design, and **SCADA** systems using Siemens **TIA Portal**, **SIMATIC Manager**, **WinCC**, and EPLAN. Familiar with industrial protocols and **IIoT** integration via **Node-RED**

Key Competencies

- Talent Acquisition
- Team Leader
- Public Speaking
- Simatic Manager
- PLC SIM Advanced
- CADE simulation
- Autocad
- Dialux evo

- Time Management
- Communication Skills
- Tia Portal
- WinCC Flexible
- Eplan
- Node-Red with node.js
- Revit
- Microsoft Office

Training Experience

Panel Builder, *ALDAWLIA-IEC*   01/2025 – 01/2025
Designed and prepared shop drawings for electrical panels, including ATS,   Cairo, Egypt
Power Factor Correction, MCC (HVAC), MDB, and more. Supervised and
executed panel assembly and wiring in the factory, ensuring compliance with
standards and project requirements.

Distribution, *Eduneers*   07/2024 – 10/2024
Design & Shop Drawing for Lighting, Small Power, and Low Current Systems,   Cairo, Egypt
with hands-on experience in execution to meet project standards. Involved in
MV/LV distribution design including panel schedules, load estimation, short
circuit and voltage drop calculations. Worked on individual and group projects
covering electrical design, technical office tasks

Courses

Automation_online_2/2025   Cairo, Egypt
- Learned and applied **Classic Control** with hands-on practical tasks.
- Programmed and implemented **PLC systems** with real-world applications.
- Developed and configured **HMI/SCADA** interfaces, executing practical tasks.
- Experienced in industrial communication protocols (**PROFIBUS, PROFINET, Modbus**) for seamless system integration.
- Worked on **IIoT solutions**, integrating **Node-RED** with cloud platforms and web interfaces.

- Completed multiple **training projects**, covering full automation and control system development.

Metro Electrical Network_Cairo Metro_9/2024
Cairo, Egypt

Exposed to metro electrical network design and power distribution workflows from HV stations to control panels via transformers and RMUs.Gained understanding of system components, protection schemes, and control strategies used for safe and efficient metro operation.Developed a solid foundation in large-scale infrastructure logic and real-world electrical coordination practices.

Quality Engineer_Egyptian Organization for Standardization and Quality_8/2024
Cairo, Egypt

Experienced in testing electrical products and appliances under extreme conditions to evaluate performance and safety. Conducted tests on cables, lighting (e.g. waterproof), heaters, vacuum cleaners, and fire extinguishers.

Education

Bachelor of Engineering in Electrical Engineering & Control,
Benha University- Branch Shoubra
GPA:3.13

09/2020 – 06/2025
Cairo, Egypt

Graduation Project1:Packing and Detect Defective Product Machine,**Grade**: A+ (developed an automated packaging and inspection system, verifying product size, metal content, and weight before stamping accepted items. Used **PLC**, **HMI**, and sensors, with **TIA Portal**, **Factory I/O**, **EPLAN**, and **Microsoft** Office for programming and documentation).

Graduation Project2: Paint mixing machine**, Grade:** A+ (Automated paint production system for mixing 7 color inputs with temperature control and CIP cleaning. The process uses flowmeters, analog level sensors, and PT100 for monitoring. Operates in both automatic (PLC-based) and manual (selector switches) modes for reliability. Tools: **Siemens PLC, HMI, TIA Portal, EPLAN, and Microsoft Office** for documentation.)

Languages

Arabic
Native

English
Good