



Eslam Sameh Abdel Latif

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PROFESSIONAL SUMMARY : I am a motivated and detail-oriented Electrical Engineer, proficient in CAD, Revit, Etap, Dialux, and Dialux Evo, with strong knowledge of MV and LV distribution, power systems, KNX, building management systems, and electrical design. I am eager to contribute to a successful team and support senior members through research. I seek a position aligned with my passion for electrical distribution, substations, and infrastructure, as well as my interests in panel building and switchgear design. I am committed to teamwork, continuous learning, and innovation in my career while sharing knowledge with others.



Education

Sep 2018
Jul 2023

Bachelor of Engineering, Cairo University, Cairo, Egypt.

- Electrical power and machines Department.
- Cumulative grade: **Very good**
- Graduation project grade: **Excellent**
- **Electrical installation for the El King Faisal hospital, encompassing both the main building and several outside structures including the Kitchen, Morgue, Laundry, Patient's Building, and Outside Clinics with integration of PV systems (team project).**
 - Designed lighting using DIALux evo.
 - Distributed sockets, power sockets for medical loads and completed panel schedule.
 - Designed light current systems (fire alarm, data & telephone, MATV, CCTV, access door, nurse call).
 - Built SLD, sized cables & bulk equipment, achieved voltage drop & short circuit check using our EXCEL sheet and ETAP, established earthing & lightning system, as well as power factor correction.
 - Designed on grid PV system for the outside buildings using PVsyst.



Work experience

Jan 2024
Present

Shaker Consultancy Group (SCG): Electrical design Engineer

- Lighting (CIBSE, EGY code) and power design using Revit and CAD
- Load estimation and space program acc. To NEC, IEEE, EGY, DPS
- Design internal and external lighting also light current systems
- Voltage drop and S.C calculations
- ETap Models
- BOQ and Cost Estimation
- Earthing system and Calculation.
- Design cables, circuit breakers for all the equipments
- Design single line diagram, Cable routing, Trays Sizing and Panel Schedules
- Sizing generators using Caterpillar and Cummins Software
- **Projects**
 - Shohada Hospital (AutoCAD Submittal)
 - Abu Qir project, customs guidance building (AutoCAD Submittal)
 - AL-Bourrouj Compound (Revit Submittal)
 - United Nations Organization
 - SMED (Revit Submittal)



Trainings – Internships

May 2024
Jul 2024

McKinsey & Company's Forward program for young talents: Soft skills internship

- This program contains many things to improve soft skills like problem solving and adaptability.

Sep 2023
Nov 2023

Shaker Consultancy group (Shaker Academy)

- L.V and M.V sessions -Infrastructure -Schneider sessions -ABB sessions-Siemens sessions-Eaton sessions-GEWISS sessions.



Jul 2023
Sep 2023

- **EL Attal Holding (Park Lane, Administrative Capital): Executive engineer**

Feb 2023

- **Giza Cable Industries (GC3): Giza Cables Training**

- Great theoretical knowledge about LV, MV, HV and EHV cables.
- A very fruitful tour clarifying the entire process of cables manufacturing.
- Different lab visits where various tests were applied (routine tests, sample tests, type tests).



Jan 2023
Feb 2023

- **Siemens Energy: Renewable Energies and The T3000 Software Training**

- the earth-sun geometry and the daily & seasonal phenomenon-All renewable energy resources: solar, wind, biomass-Latest world renewable energy status, share and cost for each R.E. technology -Choose among the R.E. technologies using the Levelized Cost of Electricity LCOE- The Decarbonization and the "Color Hydrogen"
- Power & Electronics Circuits -ECU (Engine control unites) -Difference between DCS & Scada -Operations Software T3000 (Fundamentals system).



Aug 2022

- **Elsewedy Electric: Cable accessories Internship**

- MV pre-molded cable accessories training, the training included an exceptionally simplified theoretical demonstration of cables' joints, terminations, and elbows.
- Elsewedy Electric 10th of Ramadan factory visit.



Jul 2022
Aug 2022

- **Hassan Allam Training (Administrative capital, the Ministry of Justice building)**

Oct 2023

- Checked different quotations, and making comparison sheets and PRs for real projects.

- **Schneider Electric Sustainability Business**

- Knew more about the low-carbon transition (Sustainability school for partners) and The Great Climate System (Sustainability school for partners).



Courses

Jul 2022
Oct 2022

- **EDUVATE: Electrical distribution diploma**

- Conceptual Design (Load Estimation, Zoning, SLD Preparation)-Bulk Equipment Sizing & MV Switchgears -Lighting Design -General power Design -MEP Loads Feeding -Panel Schedules preparation -Cables Selection & Sizing-Cables Routing-Power System Calculations (CB Sizing, Cables Deration, SC, VD Calculations)-Earthing & Lightning Protection Systems -Infrastructure Design -Street Lighting Design-Smart panels-KNX Sessions • Technical office topics
- Software programs (Revit, CAD, Dialux, EVO, ETAP, Ecodial)

Jul 2024
Sep 2024

- **Electrical Revit diploma (Seventh place with honors)-Mohamed Emam**

- Creating Central, Local and Detached files •Worksets Management •Lighting, Power Design Equipment Feeding• Panel Schedules & Documentation •Family Management •Cable Tray Design •Clash Detection •Light Current Systems: Designing systems for fire alarms, data, and CCTV

Feb 2022

- **Faculty of Engineering: Solar system design (Elective course)**

- On grid PV system design
- Off grid PV system design

Feb 2022
Apr 2022

- **HA consulting group: Basic control diploma**

- Classic control
- PLC and sensors
- Motor drives



Projects

Jun 2023

- **Grid Impact Study (GIS) for 12 MW PV plant (team project)**

- Built the model using ETAP - Load flow analysis, short circuit analysis, Relay coordination and protection studies, contingency and reactive power assessment.



Extracurricular activities

- Social Media Member at STP July 2019
- Student Union leader at High school Oct 2017
- Participant, in a team academic (Head)
- Ghabour Academy site visit (May 2022)
- Egypt Air Academy site visit (Dec 2021)



Technical Skills

- AutoCAD
- Revit
- DIALux
- DIALux evo
- ETAP
- PVsyst
- MATLAB
- HarmCalc V 4.5 Schneider Electric
- TIA Portals (Siemens)
- proteus simulator
- LogixPro
- LTspice
- Microsoft office suite (Word, EXCEL, Power point)



Languages

- Arabic Native
- English Very good
- German Elementary