

Bushra Eltayeb

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Professional Summary

Electrical Engineer (Power) with hands-on experience in both technical office and site roles across Saudi Arabia, Egypt, and Sudan. Skilled in MV system and L.V system design, load calculations, and technical submittals using AutoCAD, Dialux Evo, Ecodial, and Revit. Currently pursuing an MEP BIM Diploma to strengthen multidisciplinary coordination skills.

Education

Bachelor of Electrical Engineering (Power) – Blue Nile University, Sudan

Graduated: 2022 | Grade: Very Good

Professional Experience

- Electrical Technical Office Engineer

Electrical Control Panel Factory (ECPF), Saudi Arabia | Dec 2024 – Present

- Prepare technical documentation, shop drawings, and BOQs for medium-voltage (MV) electrical systems.
- Review and optimize MV Single Line Diagrams (SLDs) and load schedules using AutoCAD and Ecodial.
- Coordinate with consultants and procurement teams on technical submittals and material approvals.
- Support site teams with technical clarifications, cable routing, and redline drawings.
- Review IFC drawings and manage the preparation of as-built documentation.
- Ensure compliance with Saudi Building Code and IEC standards.

- Electrical Technical Office Engineer (Internship)

Eduneers Company, Egypt | Mar 2024 – May 2024

- Assisted in the preparation and review of shop drawings, BOQs, and technical submittals.
- Contributed to lighting layouts, load calculations, and SLD development using AutoCAD and Dialux Evo.
- Supported project documentation, compliance verification, and preparation of as-built drawings.
- Collaborated with multi-disciplinary teams to ensure design accuracy and project delivery.

- Electrical Site Engineer

MS Electrical Company, Sudan | Sep 2022 – Nov 2023

- Supervised installation of electrical systems, including wiring, panel boards, and distribution systems.
- Conducted site inspections to ensure compliance with project specifications and local safety codes.
- Collaborated with design and procurement teams to resolve technical and material-related issues.
- Coordinated with contractors and suppliers for timely project execution.
- Prepared daily and weekly progress reports for project managers.

Skills

- Electrical Design and Analysis (AutoCAD, Dialux Evo, Revit).
- MV Systems, Load Calculations, Cable Sizing, and Panel Board Design.
- Technical Office Work: Shop Drawings, BOQs, Technical Submittals.
- Site Supervision and Coordination with MEP Teams.
- Knowledge of IEC and Saudi Building Code Standards.
- Team Leadership, Problem Solving, and Effective Communication.

Certifications

- Diploma in Electrical Systems (Distribution, Shop Drawing, Implementation, Tendering) – Eduneers.
- Currently Pursuing: MEP BIM Diploma – Cad Master.
- Currently Pursuing: Dialux evo for Advanced Users – Nelca Roco (Udemy).

Computer Skills

- AutoCAD (Advanced).
- Dialux Evo (Very Good).
- Ecodial (Good).
- Revit (Currently Studying MEP BIM Diploma).
- Microsoft Office (Word, Excel, PowerPoint, MS Project).

Languages

- Arabic: Fluent.
- English: Good.