

MOAZZ ALAMIN ABDALLA ALAMIN

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ELECTRICAL ENGINEER

PROFESSIONAL SUMMARY

Results-driven and SEC-approved Electrical Engineer with more than three years of extensive experience in power transmission and distribution systems. Proven expertise in designing, optimizing, and maintaining electrical distribution networks with a focus on smart metering technologies, energy efficiency, and fault analysis. Adept at managing end-to-end electrical projects from design to implementation, ensuring compliance with safety, quality, and performance standards. Strong leadership in integrating cutting-edge technologies to enhance grid reliability, performance, and sustainability.

PROFESSIONAL EXPERIENCE

Consultant | Designtech Engineering Consultancy

Riyadh, Saudi Arabia | Aug 2024 – Present

- Provide expert consulting services for electrical distribution network design and optimization.
- Conduct detailed site assessments and recommend technical improvements.
- Lead integration of advanced technologies to improve grid performance and reliability.
- Ensure all electrical designs comply with SEC and international safety and performance standards.
- Implement energy-efficient solutions and best practices in electrical distribution.
- Diagnose and resolve complex electrical faults under live conditions to ensure continuous power supply.

Electrical Engineer | Sudanese Electricity Distribution Company

Khartoum, Sudan | Dec 2022 – Dec 2023

- Managed operation and maintenance of electrical transmission and distribution networks.
- Installed, configured, and monitored smart metering systems to optimize energy usage.
- Performed fault diagnosis, preventive, and corrective maintenance to reduce downtime.
- Developed and implemented load management strategies to improve energy distribution.

- Ensured compliance with safety and quality standards, reducing operational risks.
- Provided rapid technical response during electrical emergencies.

EDUCATION

**B.Sc. (Hons) Electrical Engineering
(Power) Sudan University of Science and
Technology | Mar 2022**

CERTIFICATIONS

Saudi Council of Engineers Classification | 2023

CORE COMPETENCIES

- **Electrical Transmission & Distribution Systems (Operation & Maintenance)**
- **Electrical Network Design & Optimization**
- **Fault Diagnosis, Troubleshooting & Corrective Actions**
- **Smart Metering Implementation & Monitoring**
- **Energy Efficiency & Load Management**
- **Electrical System Analysis & Simulation Software (ETAP, AutoCAD Electrical, MATLAB)**
- **Preventive & Corrective Maintenance under Live Conditions**
- **Safety Compliance & Quality Assurance**
- **Stakeholder Coordination & Project Management**

TECHNICAL SKILLS

- ETAP, AutoCAD Electrical, MATLAB
- Smart Metering Systems (Installation & Monitoring)
- Power System Protection & Control
- MS Office Suite (Excel, Word, PowerPoint)

LANGUAGES

English: Fluent

Arabic: Native