

Alshiekh Faroug Alshiekh

Electrical Engineer

Riyadh, Saudi arabia

0576589948 | alshiekhfaroug@gmail.com

Summary

- A dynamic and detail-oriented Electrical Engineer with over 5 years of hands-on experience in electrical system design, project management, and renewable energy solutions. Specialized in medium and low voltage systems, solar PV systems, and UPS systems. Proficient in using advanced engineering tools such as AutoCAD, PVSyst, and Dialux Evo. Demonstrated expertise in electrical panel design, load analysis, system integration, and preventive maintenance. Skilled in troubleshooting complex electrical systems, optimizing energy efficiency, and ensuring compliance with international standards (IEC, NEC). A proven track record of managing projects from inception to completion, delivering within budget and ahead of deadlines.

Education

- **Sudan University of Science & Technology** December 2018
Bachelor of Engineering (Honor) in Electrical Engineering (Power & Machines)

Experience

- **ALARBIA POWER SOLUTION Co.Ltd** April 2022 - Present
Electrical Engineer
 - Worked on the design and implementation of advanced solar energy systems, ensuring seamless grid integration, performance optimization, and long-term reliability.
 - Designed and implemented high-spec UPS systems, conducting rigorous testing to ensure stable and efficient backup power, securing uninterrupted operation for critical loads.
 - Supervised installation processes from planning to final testing, leading commissioning activities and ensuring the highest quality and performance standards post-installation.
 - Conducted loss analysis and short-circuit calculations using ETAP, optimizing electrical system efficiency and stability while ensuring compliance with engineering standards.
 - Selected and installed transformers based on precise load demand calculations, accounting for voltage drop and short-circuit currents to guarantee optimal performance and reliability.
 - Managed the installation of medium and low voltage cables, overseeing routing, termination, and secure connections to ensure long-term system integrity and operational safety.
 - Performed comprehensive transformer and cable testing, including insulation resistance, continuity, and high-voltage withstand tests, ensuring full compliance with safety and industry standards.
 - Led the preparation and evaluation of technical and financial proposals for tenders, optimizing costs while maintaining compliance with project specifications, enhancing competitiveness and project viability.
 - Implemented strict safety and regulatory compliance measures, enforcing international electrical safety standards and best practices across all project phases to minimize risks and enhance operational security.
- **Geomen water service company Co.Ltd** April 2021 - April 2022
Electrical Engineer
 - Design and implement solar energy systems, including photovoltaic (PV) panels, inverters, and related components.
 - Plan and execute electrical systems for water well installations, ensuring efficient and reliable operations.
 - Prepare and review detailed engineering drawings, technical specifications, and project documentation.
 - Supervise the installation, testing, and commissioning of solar energy systems and water well electrical components.
 - Troubleshoot and resolve technical issues related to electrical systems during and after project implementation.
 - Ensure compliance with safety standards, codes, and regulations throughout the project lifecycle.
 - Provide technical support and guidance to project teams, clients, and stakeholders.
 - Monitor project progress, manage budgets, and ensure timely completion of projects.
 - Stay updated with the latest advancements in solar energy and water well technologies and integrate innovative solutions into projects.

- **El Nasr Housing & Construction Co.Ltd**

April 2020 - March 2021

Electrical site Engineer

- Supervised the electrical installation of medium and low voltage systems for large-scale residential and commercial projects.
- Prepare and review detailed shop drawings for electrical systems using AutoCAD, ensuring precise coordination and accurate on-site implementation. Additionally, experienced in developing As-Built drawings to accurately reflect final project conditions
- Played a key role in managing on-site contractors and ensuring that all work complied with engineering standards and project specifications.
- Conducted regular quality control checks, identifying potential risks and implementing preventive measures to maintain a zero-incident safety record.
- Collaborated closely with project managers to ensure budget adherence and efficient resource allocation.

- **Sudanese Electricity Transmission Co.Ltd**

March 2019 - March 2020

Electrical Engineer – Maintenance and Operations Department (National Service)

- Worked under the supervision of a Senior Engineer in the maintenance and operation of high-voltage substations, gaining hands-on experience in preventive and corrective maintenance techniques.
- Assisted in diagnosing and repairing electrical and electronic faults in substation equipment, ensuring uninterrupted power transmission.
- Supported the development and execution of maintenance schedules, extending the operational lifespan of critical infrastructure.
- Documented maintenance activities and reported findings to senior engineers, contributing to system performance improvements

Training Courses

- Classic control course at Io Center for Engineering Training and Career Development (30 hour) ,2020.
- PLC course at Io Center for Engineering Training and Career Development (30 hour) , 2020.

Online Self Study

- Course of AutoCAD
- Course of Matlab.
- Course of Microsoft office (excel, word, PowerPoint).
- Course of Electrical Installations
- Course of Electrical Distribution
- Course of Low Current Systems :
 - CCTV System
 - Fire alarm System
 - Data system

Skills

- Able to work in team-based projects.
- Good communications skills.
- Take responsibility
- Planning and Organizing
- Proactive and quick learner
- Teamwork
- Team management
- Read electrical diagrams (SLD)

Technical Skills

- Microsoft office (World, Exel, Powerpoint).
- Intermediate user MATLAB engineering software.
- Pvsyst
- cadesimulink
- AutoCAD

- Dilux evo

Personal Details

- Nationality : Sudanese

Languages

- Arabic (mother tongue)
- English (Professional Working Proficiency)

Reference

- **Eng. Khalid saad - ALARBIA POWER SOLUTION**
Power solution manager
+249920000747