

Fahad Alshammari

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Summary

Electrical Engineer with hands-on experience in maintenance, troubleshooting, and testing of electrical systems in industrial environments. Skilled in preventive maintenance, transformer diagnostics, electrical safety, and compliance with industry standards. Capable of training and supervising teams in occupational safety and electrical specifications. Adept at operating electrical machinery, maintaining network wiring, and optimizing modern preventive systems in power plants and overhead lines.

Experience

Al-Mawraqi Co. "Engineering Supplies" | Saudi Arabia

Electrical Project Engineer | September 2025 – Present.

Scope of work the project

The mentioned project is a completion of the rest of the operational work of the project. The work includes the establishment of an electric feeder room for the project with its electrical equipment and backup diesel generator, in addition to mechanical works, including feeder tanks, water pump rooms and fire systems, as well as the development of the general site and includes parking lots and green areas.

- Establishment and construction powerhouse:

Transformer 1500kva, Diesel generator, RMU, Low Voltage switchgear, ATS, Capacitor Bank, Busbar, MV-LV Cable, Grounding system, Lighting protection system

In addition, another Item

- Core Responsibilities about this point
 - Design drawings
 - Bill of quantities
 - Specifications
 - Vendors and contractors list
 - Public and private conditions

SANKYU - SADARA Chemical Company | Saudi Arabia

Electrical Technician | November 2024 – September 2025

- Perform preventive maintenance (PPM) on electrical systems.
- Execute isolation and de-isolation procedures for equipment safety.
- Maintain lighting systems, backup power (UPS), and battery chargers.
- Conduct load tests on emergency diesel generators (EDG).
- Troubleshoot and repair electrical faults in industrial equipment.
- Ensure compliance with safety standards during all maintenance activities.

SABIC Agri-Nutrients – ICMS Company | Saudi Arabia

Electrical Technician | Special Maintenance Department | December 2022 – November 2024.

- Performed preventive and corrective maintenance on switchgear, MCCs, and transformers.
- Inspected protective relays, indicator lamps, and monitored temperature/sound conditions.
- Tested and maintained UPS, battery chargers, and emergency diesel generators.
- Monitored transformer yard status, including oil level, nitrogen pressure, and Buchholz relay.
- Conducted transformer diagnostics (TTR, winding resistance, IR, PD, oil filtration).
- Executed cable tests (Hi-Pot, VLF, PD) and circuit breaker performance tests.

Al-Fanar Electricity Company | Saudi Arabia

Electrical Technician | December 2021 – December 2022.

- Assisted in upgrading the 230kV network in Jubail for Saudi Electricity Company.
- Installed GIS bays with a double bus single breaker configuration.
- Supported overhead line looping into new substation infrastructure.
- Ensured safety and technical standards during substation modifications.

Education

College of Technology | Dammam, Saudi Arabia

Bachelor's Degree in Applied Power and Electrical Machines Engineering | Very Good | GPA: 3.95/5 | 2024.

Associate Degree in Electrical Power | Very Good | GPA: 4.29/5 | 2021.

Certificates & Courses

- OSHA Safety Course.

Skills

Technical Skills:

- Electrical Power Systems Training & Instruction.
- LV/MV Network Maintenance & Wiring.
- Motor Operation & Control.
- Preventive/Corrective Maintenance.
- High-Voltage Equipment Handling.
- Transformer, Cable, Circuit Breaker Testing.
- Safety Compliance & Risk Assessment.
- Electrical Fault Troubleshooting.
- Technical Standards Implementation.

Soft Skills:

- Leadership.
- Analytical Thinking.
- Problem Solving.
- Team Collaboration.
- Attention to Detail.
- Time Management.
- Communication Skills.
- Adaptability.
- Work Ethic.

Tools: Multisim, ETAP, MATLAB, AutoCAD & Microsoft Office.

Languages

- Arabic.
- English.