

MOHAMMED AHMED

Electrical Engineer

Madina, KSA

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PROFESSIONAL SUMMARY

Results-driven **Electrical Engineer** with a strong background in **machine and control engineering, project management, and building electrical systems**. Proven ability to **analyze data, optimize processes, and implement innovative solutions** to improve efficiency and productivity. Adept at troubleshooting, system maintenance, and ensuring compliance with industry standards. Strong **communication, problem-solving, and analytical skills**, with a commitment to teamwork and customer satisfaction.

KEY SKILLS

Electrical System Implementation
Machine & Control Engineering
Troubleshooting & Maintenance
Project Planning & Management
Data Analysis & Reporting
Power Distribution & Load Calculations
Building Services (Lighting, HVAC, Ventilation)
Low-Current Systems (CCTV, Fire Alarm, Network Cabling)
Health & Safety Compliance
Team Leadership & Collaboration

EDUCATION

Academy of Engineering Sciences – Khartoum, Sudan (2011 – 2016)
Bachelor's Degree in Machine & Control Engineering

PROFESSIONAL EXPERIENCE

Electrical Engineer
PEPSI Soft Drink Factory – Khartoum, Sudan (2017 – 2019)

- Designed, controlled, and implemented **electrical systems and automation solutions** to optimize production processes.
- Conducted **data analysis** and created reports with actionable insights to enhance design and efficiency.
- Performed **preventive maintenance** and troubleshooting to minimize downtime and ensure smooth operation of machinery.
- Ensured compliance with **electrical safety regulations and industry standards**.

Electrical Engineer

ALDAR Construction – Khartoum, Sudan (2020 – 2023)

- Managed and maintained **building services**, including lighting, heating, ventilation, and power distribution.
- Developed **project plans, electrical layouts, and schematics** for new and existing structures.
- Created **models and simulations** to test and optimize system performance.
- Worked closely with construction teams, contractors, and stakeholders to ensure project completion on time and within budget.

Electrical Engineer (Subcontractor)

Construction Company – Madina, KSA (July 2024 – Present)

- Specializing in **building electrical systems** from foundation to finishing.
- Handling **low-current systems** such as CCTV, fire alarm, and network cabling.
- Ensuring **quality control and adherence to safety regulations**.
- Collaborating with contractors to **meet project deadlines and client requirements**.

ACHIEVEMENTS

- Recognized as "**Employee of the Month**" for outstanding performance and problem-solving abilities.
- Implemented **process improvements** that enhanced efficiency in handling customer inquiries and project workflows.

TECHNICAL SKILLS

- **Equipment Expertise:** Transformers, Circuit Breakers, Motors, Power Systems
- **Software:** AutoCAD, PLC Programming, MS Office

LANGUAGES

- **Arabic:** Native
- **English:** Good