

Wael Ibrahim Mohammed Al-Khalifa

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Atbara , Sudan

OBJECTIVE

- Results-driven Electrical Engineer with expertise in leading the design and installation of advanced electrical systems.
- Skilled in managing projects from concept to completion while ensuring safety, efficiency, and adherence to high-quality standards.
- Seeking to leverage technical expertise and leadership abilities to contribute to the successful execution of complex electrical engineering projects.

EDUCATION

Engineering in Electrical & Electronics

Oct 2009 - Sep 2014

Nile Valley University • Atbara, Sudan

TRAININGS

- Alsalam cement production company L.td, 2012.
- Barber cement production company L.td, 2014
- Alsalam cement production company L.td, 2015
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COURSES

- Low Voltage Switchgear, Oct 2017 (30H).
- Modern Power System Protective Relaying, Des 2017 (30H).
- Medium Voltage Switchgear, March 2019 (20H).
- Managing safety **IOSH**, Dec2019

SKILLS

- Planning and overseeing construction projects.
- Good engineering and practical knowledge of major electrical components.
- Proficiency in construction methods and engineering principles.
- Quick resolution of on-site challenges.
- Strong communication and teamwork skills.
- Ensuring adherence to safety standards.
- Managing budgets and optimizing resources.

- Managing the execution of building services.
- Capable of supervising detailed engineering works.
- Coordinate with various disciplines and site supervision.
- Arabic proficiency, with English as an advantage.

WORK EXPERIENCE:

A&A Construction Co. Ltd

Feb 2015 - Jun 2018

Experience in Various Sites and Projects:

- Recruitment, setup of policies & procedures.
- Participate where required in all aspects of the project management for the electrical works.
- Manage and supervises the on all site electrical works.
- Undertake the detailed short term planning and co-ordination at site in accordance with the master program.
- Ensure that all information is available to undertake the works.
- Ensure materials are available at site to undertake the works.
- Ensure all materials are correctly stored at site and installed without damage.
- Arrange the required tools and equipment to be available at site.
- Control of the quality and technical correctness of the installation in accordance with the Project quality assurance plan.
- Ensure that the works are carried out in a safe manner in accordance with the project safety plan.
- Contribute to budget planning.
- Manages the system testing and commissioning.

Electrical Engineer

July 2018 – Aug 2019

Global Sourcing and Supply Services Co. Ltd (GSS) • Sudan
Experience in Operation and maintenance

- Supervise the maintenance of HVAC and spilt unit systems to ensure efficient performance.
- Skilled in managing construction projects from design to commissioning, ensuring timely delivery and adherence to budgets.
- Strong focus on electrical safety, ensuring compliance with industry standards and regulations throughout project phases.
- Proficient in conducting energy audits and implementing cost-effective, energy-efficient solutions.

- Electrical power (Power system, Lighting system, Electrical Panels, Control systems, low current implementation, CCTV).
 - Assist in planning and tracking all maintenance works
 - Ensure generators are automatically activated during grid outages, conduct regular fuel tank reviews, and maintain generator health to ensure uninterrupted operation.
 - Monitor and distribute automated water pumps, perform routine maintenance and troubleshoot electrical faults to maintain a steady water supply.
 - Prepare daily and weekly reports for review with Project Manager.
 - Investigate the underlying causes of failures in the facilities.
 - Order necessary spare parts, supervise facility staff, and ensure safe and compliant operations.
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Electrical Engineer**Aug 2019 - Present**

Berber Cement Company L.td • Berber, Sudan

Experience in Operation, maintenance and installation

- Perform maintenance on startup circuits for motors.
- Worked in power transformer maintenance 1600KVA including repairs on tap changer switch, and change an air cell inside conservator tank for transformer 20MV.
- Participate in all stages of installing a 21MVA generating station (11kV - 6.6kV), covering distribution.
- Dealing with ABB, Schneider, and Siemens Switchgear and Modules to ensure accurate setup and functionality.
- Hands-on expertise with LV/MV Switchgear, Transformers, Motors, VFDs, UPS Systems, LV/MV Cables, Relays, ECMS, Power Meters, and Electrical Protection Devices.
- Conduct cable sizing Circuit breaker assessments
- Read and implement electrical schematic drawings accurately.
- Ensure that instrumentation devices are properly maintained.
- Supervision of Excavations.
- Ensure plant meets targets safely and within requirements.
- Cable Installation Management.
- Back Filling Operation.
- Preparation of the Statement.
- Correction Factor Calculations.
- Selection of Protective Devices.
- ERP Implementation: Enhanced inventory management and reporting by implementing.
- Familiarity with International standards (IEC, BS, NEC, DEWA and FEWA Regulation)