

ABD ALSHAKOUR ABD ALRAZIG ALHAG

ELECTRICAL ENGINEER

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SUMMARY

Electrical Engineer with 24 years Professional Engineer from Saudi Council of Engineers implement projects, strong personality, decision maker Experienced professional leading implementation and maintenance of Electrical networks, optimizing efficiency and reliability. Skilled in Preventive maintenance, performance monitoring, and project coordination for stringent quality and safety protocols.

PERSONAL INFORMATION

- **Languages:** English, Arabic.
- **Certifications:** CCNA, IOSH - Managing Safety , IOSH - Working Safety , Internal Audit , Huawei Telecom Power Application Scenarist Installation, Routine Maintenance, and Troubleshooting
- **Experience over** 24 years
- **Iqama Status:** Valid and Transferrable

PROFESSIONAL EXPERIENCE

Saudi Electro-Mechanical & Air Conditioning company, Senior Electrical Engineer June 2023 - Present

- Managing the technician's team and preparing the regularly maintenance report.
- Improving efficiency by implementing preventive maintenance strategies for the distribution panels and delivering high-quality results within the scheduled timeframe.
- Ensuring proper functioning and activating of the dead lighting columns, which results in enhancing the lighting infrastructure in the Al-Harm Mosque area in Makkah.
- Supervising the optimizing operations and ensuring smooth functioning of the lighting system in the area.

Mabrouka Engineering Consulting Office , Senior Electrical Engineer 2021 - 2023

- Revise and approve all electrical and low-current drawings and electro Mechanical coordination drawings above the ceiling and on the Reflected ceiling
- Revise and approve all electrical and low current material submittal
- Revise and approve all electrical calculations of (panel boards-cable-short Circuit-voltage drop- transformer sizing-generator sizing-ATS panel-busway)
- Inspect and receive all medium voltage work such (switchgear-RMU- transformer- Grounding-lightning protection)
- Inspect and receive all low voltage work such as (lighting-power)
- Inspect and receive all types of panel boards (CB-MDB-DB)
- Inspect and receive all electrical elevator work
- Inspect and receive all earthing and lightning protection system
- Prepare all daily and monthly reports to the client
- Revise all electrical payments before submitting them to the client lighting
- Revise and approve all calculations and drawings for indoor and outdoor
- Inspect and receive all low-current systems (fire alarm- public address access control- CCTV-IP telephone and data system-clock system)
- Inspect and receive all BMS work for project fan-exhaust fan-jet fan),
- Inspect and receive all electrical work for all types of fans (supply fan-smoke
- Testing of all medium voltage and low voltage panels with the supplier in the factory
- Testing of the busway for the complete project in the factory.
- Revise and approve the single-line diagram for the project
- Revise and approve all riser diagrams for all low-current system

Sudatel Telecommunications Group (STG) , Project Manager**Jan 2012 - Jan 2021**

- Ensured strict compliance with project specifications through meticulous review of documentation and blueprints.
- Assessed electrical designs for optimal performance, focusing on schematics, calculations, and lighting standards.
- Conducted stringent quality control inspections of electrical installations and materials on-site.
- Coordinated technical data approvals to reinforce project quality and adherence to standards.
- Oversaw electrical design and implementation, aligning with contractual obligations.
- Maintained clear client communication throughout the design and execution phases to meet project goals.
- Vetted and approved contractor-provided electrical materials and drawings, aligning with project specifications.
- Produced precise progress reports to keep stakeholders informed and engaged.
- Addressed execution challenges in client meetings, preserving project continuity and satisfaction.
- Analyzed and advised on contractor rate analysis for additional electrical items, optimizing client expenditures.
- Verified that all electrical materials delivered on-site met established quality criteria.
- Engineered solutions for intricate design challenges, meeting exacting client demands.
- Monitored and improved construction productivity and schedule compliance, mitigating potential delays.
- Handled change orders and client communications, reallocating resources to meet project deadlines.

Sudatel Telecommunications Group (STG) , Electrical Engineer**Jan 2002 - Jan 2012**

- Execution of all main and sub and distribution panel boards cable tray
- Execution of all low-voltage cables between all panels and equipment on
- Execution of all lighting and power work for the building
- Execution of grounding and lightning protection system
- Execution all electrical HVAC systems for (chiller-package unit-AHU-FCU-VAV
- Execution of electrical work of chilled water pump primary and secondary
- Execution of electrical work for all pumps (fire-lifting-sewage-submersible)
- Execution of all electrical work for the elevator
- Execution of all low current systems (fire alarm-public address- access control- CCTV-clock- telephone and data)
- Execution of all BMS work for building
- Execution of all electrical Infrastructure work for medium voltage and low voltage and low current for the site
- Coordinated with Egypt communication company for telephone line and internet connection for project.
- Testing of all medium voltage equipment on site with Schneider Company
- Testing and commission of all electrical panel boards and all low-voltage cable
- Test and commission all low voltage and low current system work to a consultant.
- Testing and commission of grounding and lightning protection system
- Submission of all medium voltage and low voltage work and low current
- Handover all electrical and mechanical work to the client

National Electricity Corporation (NEC) , Electrical Engineer**September 2000 - October 2001**

- Leading the technician's team and preparing the regular maintenance report.
- Analyzed operational reports with precision to boost efficiency and refine maintenance strategies
- Crafted and implemented systematic preventive maintenance plans to elevate network dependability and functionality
- Managing project teams with a focus on quality, safety
- Initiated the adoption of GIS technology for the installation of low to medium-voltage distribution networks, networks and metering systems, enhancing precision and control
- Vigilantly oversaw low to medium-voltage distribution networks, guaranteeing exceptional performance
- Demonstrated expertise in SCADA systems for robust operation and surveillance of distribution networks.

EDUCATION**MSc Master of Science in Electronics Engineering****2011**

Sudan Univercity of Science & Technology

BSc Bachelor of Science in Electrical engineering**2000**

Omdurman Islamic University