

SHAHSAWAR DAWOOD SHAH (MS-Project Management)

Electrical Engineer

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Professional Summary:

Skilled Electrical Engineer with over 8 years of progressive experience in the design, implementation, and management of complex electrical systems across commercial and industrial environments. Specialized in low voltage (LV) and low current systems, with advanced proficiency in electrical design, CAD-based planning, and technical drawing take-offs. Demonstrated success in leading cross-functional teams and delivering large-scale, deadline-driven projects on time, within scope, and under budget. Adept at aligning technical execution with strategic project goals to enhance performance, ensure compliance with industry standards, and drive cost-effective, high-quality outcomes. Currently seeking technical expertise, leadership acumen, and a forward-thinking mindset to a dynamic, growth-oriented organization.

Professional Affiliation:

I worked in the following Engineering Construction Companies throughout my career.

The Avenues Mall

Company: Address For Technical Support

Contractor: Nesma & Partners

Position: Electrical Engineer

Duration: February 2025 to Present

Location: Riyadh-Saudi Arabia

Seda Offices KAFD

Saudi Export Development Authority

Fit out Project

Company: Rak Al Jazeera

Position: Electrical Engineer

Duration: Nov 2024 to Jan 2025

Location: KAFD Riyadh Saudi Arabia

Sindhala Island Neom

Company: Ras Ambition Co.

Contractor: Nesma & Partners

Position: Electrical Engineer

Duration: Mar 2024 to Oct 2024

Location: Neom

Khurais Hospital

Company: Cradle of Business

Contractor: Horizon Contracting Co.

Position: Electrical Engineer

Duration: Jan 2024 to Feb 2024

Location: Riyadh Saudi Arabia

Hyper-Scale Data Center

Company: Quality System

Contractor: Horizon Contracting Co.

Position: Electrical Engineer

Duration: Mar 2023 to Jan 2024

Location: Neom

Saif Mall & Residency

Commercial and Residential

Company: Saif Associates Pvt Co.

Position: Electrical Engineer

Duration: Sep 2020 to Feb 2023

Location: Pakistan

Town Residency

Commercial and Residential

Company: Saif Associates Pvt Co.

Position: Electrical Engineer

Duration: Mar 2017 to Aug 2020

Location: Pakistan

Professional Memberships:

Registered Engineer-Pakistan (PEC-Elect/58576)

Registered Engineer- Saudi Arabia (SEC-1008593)

Education:

BEE-Electrical-Engineering

Hamdard University Islamabad Campus Pakistan

Enrollment-ECI-IT-11-034-2014

MS-Project Management

Bahria University Islamabad Campus Pakistan

Enrollment-01-298162-140-2017

Final Year Project:

Load-shedding Management using PLC and SCADA

Certifications:

- HSE (Health Safety & Environmental Engineering)
- DIT
- OSHA
- IOSH

Project: The Avenues

Client: Shomoul

Position: Electrical Engineer

Contractor: Nesma and Partners

Company: Address for technical support services

Feb 2025 to Present

Extensive hands-on and supervisory experience in the execution, inspection, and coordination of low voltage (LV) and low current electrical systems for commercial and industrial projects. Core responsibilities include managing all on-site activities, including cable pulling, terminations, and equipment installation. Proficient in reviewing engineering drawings, conducting quantity take-offs, and validating Bills of Quantities (BOQs) in line with project specifications, international standards, and applicable codes.

Skilled in the implementation and integration of various systems, including normal and emergency lighting, power distribution, fire alarm systems, CCTV, access control systems (ACS), building management systems (BMS), ICT, audiovisual (AV) systems, motion sensors, and billing systems. Experienced in conducting on-site testing and commissioning, including Fluke testing, continuity tests, and insulation resistance testing using Megger instruments.

Project: SEDA Offices

Fit-Out Project

KAFD and Building: 5.05

Position: Electrical Engineer

Company: Rak Al-Jazeera

Nov 2024 to Jan 2025

Handled material submittals by coordinating with consultants to ensure compliance with relevant codes and timely approvals. Oversaw on-site installation of wiring, cabling, and electrical systems, working closely with site engineers to ensure smooth execution. Resolved on-site issues promptly and enforced safety protocols, especially for fire alarm and security systems.

Regularly meet with clients to gather requirements, offer technical advice, and recommend suitable low-current system solutions. Provided progress updates to the project manager, identifying risks and proposing corrective actions.

Supervised all on-site LV and low-current activities, including cable pulling, terminations, and equipment installation. Reviewed engineering drawings, conducted quantity take-offs, and verified BOQs. Experienced in implementing systems such as power distribution, lighting, CCTV, ACS, BMS, ICT, AV, and conducting Fluke and Megger testing during commissioning.

Project: Sindhala-Island

Position: Electrical Engineer

Contractor: Nesma & Partners

Mar 2024 to Oct 2024

Oversaw and reviewed all electrical site activities, including cable tray and trunk sizing, conduit work, cable pulling, SMDB and DP installation, and terminations. Managed installation and commissioning of LV and Low-Current panels, lighting systems, power outlets, fire alarms, security systems, ICT, AV/BGM, GRMS, BMS, EPMS, emergency and motion-sensitive lighting.

Ensured all installations followed NEC, IEEE, NEMA, and ISO standards, with strict adherence to electrical schematics, wiring diagrams, and BOQs. Worked with various LV/LC power cables and wires, supervising proper routing, pulling, and termination. Evaluated contractor performance and resolved site-related technical issues, ensuring compliance with engineering drawings, specifications, and project standards.

Project: Khuris Hospital
Company: Cradle Of Business
Position: Electrical Engineer
Contractor: Horizon Contracting Co.
Jan 2024 to Feb 2024

Supervised and oversaw the installation of low current systems, including lighting, data networks, nurse call systems, power, and fire alarms. Ensured all works were executed according to approved drawings, project specifications, and relevant standards.

Monitored construction activities, performed quality assurance inspections, and enforced safety regulations to ensure full compliance. Handled the installation, maintenance, and repair of electrical systems within buildings, followed wiring plans, installed equipment and fixtures, and ensured alignment with safety and code requirements.

Project: Hyper-Scale Data Center
Position: Electrical Engineer
Contractor: Horizons Contractor Co.
Company: Quality System
Mar 2023 to Jan 2024

Executed the installation and implementation of Building Management Systems (BMS) and Electrical Power Management Systems (EPMS) in a hyper-scale data center. Supervised site activities, including installation and continuity testing of BMS/EPMS panels, SMDBs, transformers, generators, UPS systems, and related cabling infrastructure.

Managed low-current systems such as fire alarms, CCTV, and access control, and coordinated conduit fixing, cable pulling, terminations, and insulation testing. Reviewed riser diagrams and wiring layouts to ensure compliance with project specifications and safety standards.

Collaborated with cross-functional teams, tracked daily site progress, and submitted WIRs, RFIs, and MIRs. Resolved drawing and testing issues efficiently, providing technical input to support smooth project execution.

Project: Saif Mall & Residency
Position: Electrical Engineer
Saif Associates Pvt Co Pakistan
Sep 2020-Feb 2023

Monitored and ensured work quality using shop drawings, reporting conformity and non-conformity issues to the project director. Supervised the installation and testing of LV and low-current systems, including conduits and cable trays.

Managed low-cost electrical installations such as lighting systems and standby power devices. Performed inspections, cable pulling, splicing, termination, and conducted continuity and insulation resistance testing. Implemented load automation strategies to optimize generator service hours and reduce fuel consumption. Evaluated power capacity requirements, including voltage regulators and transformers.

Verified system tagging (cable, panel, safety), enforced safety protocols, and conducted toolbox talks. Maintained daily site observations, prepared WIRs, RFIs, and MIRs for consultant review, and handled material invoicing based on work completion.

Project: Town Residency
Position: Electrical Engineer
Saif Associates Pvt Co Pakistan
Mar 2017 to Aug 2020

Oversaw and supervised the installation, implementation, and testing of low voltage and low current electrical systems according to project plans and specifications. Troubleshoot on-site issues, provided effective solutions, and ensured strict compliance with safety protocols. Planned, executed, maintained, and improved electrical instruments, equipment, and systems. Coordinated teamwork and utilized AutoCAD to support design and engineering tasks. Furthermore, monitored and managed all aspects of electrical building projects with hands-on experience in building electrification, panel boards, and related equipment. Reviewed contractor bills, prepared electrical BOQs, and material invoices. Conducted internal site inspections to enforce quality procedures, ensuring activities adhered to approved method statements and inspection test plans. Provided engineering and technical support for all electrical works, planning and coordinating execution alongside mechanical and civil teams. Assigned daily targets to electrical and plumbing groups, ensuring timely completion of project milestones.

DESIGN SOFTWARE:

Auto-CAD Electrical,
MS Office
ERP
Time Nix

SKILLS

Communication skills dealing with clients
Cultural awareness
Self-development

LANGUAGES

English
German
Arabic

REFERENCE:

As per demand.