

SHEREF ASHRAF AHMED ABDELRHMAN

Electrical Specialist

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SUMMARY

Results-driven Electrical Specialist with over 7 years of experience in electrical systems design, site supervision, drafting, and control systems across residential, commercial, and industrial projects in Saudi Arabia. Proven expertise in delivering large-scale infrastructure projects—including educational facilities and housing developments—through precise electrical drafting, panel design, and installation supervision. Skilled in PLC programming, load calculations, lighting simulations, and low-voltage systems. Adept at managing technical documentation, coordinating with multidisciplinary teams, and ensuring compliance with industry standards. Recognized for problem-solving ability, attention to detail, and commitment to high-quality project execution under tight deadlines.

WORK EXPERIENCE

Electrical Specialist (Site) & Electrical Draft Man (Technical Office)

Jul 24, 2024 – Present

Kayan Afnan Contracting Co. – Riyadh, Saudi Arabia

Key Projects:

- TBC Government Schools Project:**
 - Full site supervision and drafting for 7 new school buildings.
- Rehabilitation Hospital Design Project:**
 - Led the complete electrical design for a 120-bed hospital facility.

Responsibilities:

- Developed detailed electrical shop drawings (lighting, power, panels, grounding) using AutoCAD.
- Designed lighting simulation reports using DIALux for consultant approval.
- Reviewed architectural plans to align electrical routes and fixture positions.
- Coordinated with civil, HVAC, and plumbing teams to resolve site clashes.
- Supervised on-site installations for conduits, cable trays, panels, DBs, and wiring.
- Verified quantities for BOQ and material take-offs.
- Prepared redlines and updated as-built drawings upon project completion.
- Executed complete split unit installation works, quantity surveying, documentation, and final handover to the consultant.

Electrical Specialist & Draft Man

Jul 2021 – Jul 2024

Al-Rajhi Building & Construction Co. – Riyadh, Saudi Arabia

Key Projects:

- TBC School Development Program:**
 - 13 schools: Electrical shop drawing & as-built documentation.
 - 20 schools: Complete electrical execution, testing & handover.
 - 43 schools: Maintenance, troubleshooting, and renovation.

Responsibilities:

- Drafted LV electrical layouts: power, lighting, data, CCTV, fire alarm & earthing.
- Coordinated drawing submittals with consultants and updated based on review comments.
- Managed on-site execution from excavation to panel energization.
- Attended technical meetings with project stakeholders and client reps.
- Performed on-site inspections to ensure standards (SEC, TBC, NFPA) were met.
- Delivered weekly progress reports and managed documentation for handover.
- Executed complete split unit installation works, quantity surveying, documentation, and final handover to the consultant.

Electrical Supervisor & Draft Man

Jul 2019 – Jul 2021

Takween Real Estate Company – Dammam, Saudi Arabia

Key Projects:

- MAYA Housing Project – Ministry of Housing.
- Electrical design and site works for a gated housing development.

Responsibilities:

- Prepared shop drawings for low-voltage distribution, lighting, and small power.
- Conducted site execution for internal wiring, DB installation, and external lighting poles.
- Monitored cable routing, terminations, and load balancing.
- Supported the procurement team with material specifications.
- Prepared site diaries and inspection requests for consultant approvals.
- Executed complete split unit installation works, quantity surveying, documentation, and final handover to the consultant.
- Completed full electrical works for 24 residential buildings (2BHK, 3BHK, and duplex models) from project initiation to preliminary handover.

Crystal Factory for Ice Cream Production – Dammam, Saudi Arabia**Responsibilities:**

- Operated and programmed Siemens S7-200 and Zelio PLCs for production lines.
- Diagnosed faults in the electrical control panels and automation systems.
- Optimized process efficiency by fine-tuning timing relays and logic sequences.
- Ensured compliance with industrial safety standards.
- Minimized downtime through proactive maintenance and system updates.

Electrical Supervisor**Jan 2017 – Jan 2019****Kahromika Misr for Mechanical & Electrical Projects – Egypt****Responsibilities:**

- Installed and supervised medium and low-voltage electrical infrastructure.
- Conducted underground cable laying and pole-mounted transformer installations.
- Ensured proper tightening, jointing, and termination of all cables.
- Collaborated with safety officers to execute risk-free energizing operations.
- Prepared site reports for consultant inspections and approvals.

EDUCATION**Bachelor's Degree in Electrical Power Department**

- Suez University – Faculty of Industrial Education Technology
- Sept 2013 – June 2017 | Grade: Very Good
- Graduation Project: Excellent

Electrical Equipment & Machinery Department

- Advanced Industrial Technical Secondary School (Five-Year System)
- Sept 2008 – June 2012 | Grade: 92%

COURSES & CERTIFICATION

- **Electrical Distribution Diploma** – Mkademy Engineering Training Courses (Jan – Jun 2025) – **Duration: 200 Hours**
(Distribution Components - Lighting Power Low Current-Technical Office - Revit Mep)
(Softwares: Autocad - Revit MEP - ETAP - Dialux - Dialux evo - Excel)
- **Electrical Distribution Requirements** – Smart Courses & Training Center (Feb – May 2017)
- **Classic Control & PLC (S7-200, Zelio Soft)** – Smart Courses (July – Sept 2016)
- **Computer Basics** – Canadian International Academy
- **Human Development Skills** – Canadian International Academy
- **Member** – Saudi Council of Engineering – **Membership ID: 1065548**

SKILLS

- Electrical Drafting
- Site Supervision
- Power Distribution Systems
- Lighting Design (DIALux)
- Panel Board Design
- AutoCAD
- PLC Programming (Siemens S7-200, Zelio)
- Low & Medium Voltage Systems
- Load Calculation (Ecodial)
- Microsoft Office Suite
- Revit
- Dialux evo
- Classic Control Systems
- Electrical Installation
- Shop Drawings & As-Built Documentation
- BOQ & Material Take-Off
- Team Collaboration
- Problem Solving
- Technical Reporting
- Time Management
- Communication Skills
- Decision Making

ACHIEVEMENTS

- Successfully supervised and handed over 20+ school buildings under the TBC program within strict timelines and specifications.
- Designed and prepared complete electrical shop drawings and as-built documentation for over 20 schools across multiple projects.
- Led electrical works in the design and drafting of a rehabilitation hospital, meeting all consultant and regulatory standards.
- Played a key role in the maintenance and upgrading of electrical systems in 43 operational schools, minimizing downtime.
- Delivered accurate and compliant lighting designs using DIALux and implemented energy-efficient lighting solutions.
- Managed full electrical scope (installation, testing, and commissioning) across residential and educational projects under the Ministry of Housing and TBC.
- Executed critical electrical control and PLC modifications in a production facility, enhancing operational efficiency.
- Consistently delivered projects in accordance with Saudi electrical codes and safety standards, with zero violations or rejections.
- Demonstrated strong cross-functional collaboration between site and technical office teams, ensuring smooth workflows and project delivery.

LANGUAGES

- Arabic: Native
- English: Very Good

