
Summary

Electrical Engineer with over 10 years of experience in Electrical and Automation Engineering. Proven ability to manage complex electrical projects as a Site Engineer, ensuring efficiency and quality. Committed to delivering high-quality electrical solutions that meet and exceed project objectives. Strong collaboration skills with a focus on driving project success.

Skills

- Electrical design and installation
 - Troubleshooting and measurements
 - PLC programming
 - MEP and HVAC fundamentals
 - AutoCAD & E-CAD proficiency
 - DIALUX designing
 - KNX/EIB lighting system programming
 - Project execution
 - Compliance Inspection
 - Contractor coordination & Supervision
 - Project progress reporting
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Experience

Electrical Site Engineer

Nov 2023 – Current.

Signals Control, Riyadh; Riyadh - KSA.

Projects handled

- B-05 Royal Private farm, Diriyah, Riyadh.
- CP-04 King Salman Park, Riyadh
- L-01 Yamama Palace, Umm al Hamam
- Held responsible for the implementation and execution of first and second fix works related to the electrical lighting system.
- Ensured the works are carried out as per the IFC and SHD's on site, and reported the encountered irregularities on site to the contractor.
- Carried out the FAT, SATs, and on-site installation of 60+ lighting control panels for the cluster of villas on an individual project.
- Timely issuing WIRs for the completed works and maintaining the respective order logs.
- Testing and commissioning of all the panels for the lighting functionality, with respect to the individual and scene's functions.
- Conduct PFTs and FPTs along with the Consultant in order to clear the TIRs for each and every LC panel individually.
- Maintained an infographic report for the daily, weekly, and monthly work and man-hour progress analysis.
- Coordinate with the cross-functional teams and subcontractors, such as Fire Alarm, Data Network, and landscape teams, for interrelated works.
- Provide assistance to the BMS graphics team for the lighting control on the central graphics page functionality.

Electrical & Automation Engineer,
Al – Phanr International Company; Doha - Qatar.

Jan 2020 – Nov 2022.

Projects handled

- 1000 Sq.Mtrs Hi-Tech PLC based Vertical Grow Area, Ash – Shahaniya, Qatar.
- Design & Execution of 100,000 & 60,000 GPM R.O Plants, Ash – Shahaniya, Qatar.
- Design & Execution of Cold Store Electrical works, Al – Siniya; Doha – Qatar.

- Led design, procurement, and execution of electrical division projects for inbound and outbound operations.
- Drafted BOQs, material submittals, and method statements for consultant approvals.
- Reviewed compliance of received materials with project specifications and standards.
- Inspected installation of LV distributions and changeover panels for adherence to national codes.
- Assisted drafting team in enhancing designs for new and ongoing Electrical and Automation projects.
- Provided regular updates to project manager and technical lead on site progress.
- Participated in weekly site meetings with consultants to review upcoming tasks.
- Designed and commissioned DDC automation panels for individual grow house control operations.

Site Engineer – Electrical,
2019.

Nov 2017 – Nov

AGRICO Agricultural Development W.L.L; Al-Khor – Qatar.

- Designed and executed all inbound and outbound projects for electrical division.
- Drafted BOQ, MAT, and method statements for outbound projects, coordinating consultant documentation for approvals.
- Executed maintenance on electro-mechanical systems within facility to ensure operational reliability.
- Developed low voltage electrical works including circuits, load scheduling, and cable routing.
- Conducted maintenance on four 1600 KVA LV distribution panels, ensuring timely CT replacements.
- Maintained detailed records of scheduled and emergency maintenance for field equipment.
- Assembled and terminated LV distribution panels, completing commissioning after PFT approvals.
- Programmed Siemens Logo PLC automation panels to improve operational efficiency.

- Designing electrification-related works for individual villas, developer projects, as per the client's request and in line with compliance standards.
- Designing HVAC systems for residential and commercial projects, which shall include the unit sizing of chillers, AHUs/FCUs, ducts, piping, and fittings.
- Oversee the on-site works for cable trays, EMT conduits, RSG conduits, cable laying and termination, and other first and second fix-related works.
- Highlight the completed works with discrepancies or without discrepancies in AutoCAD, and forward it to the senior engineer for WIR approvals.
- Installation and electrification of chillers, AHUs, FCUs, pumps, motors, etc., as per the design and standards mentioned in the IFC and method statement.
- Held responsible for the manpower assignment, material handling, and HSE issues on site.
- Maintain the inventory record of available stock of materials on site, and arrange them at the earliest possible opportunity in unprecedented situations.

Certifications

- Certified 'Electrical Engineer' (Practicing/Trainee) – Issued by MMUP/UPDA (Urban Planning & Development Authority) **Doha – Qatar.**
- Active member of SCE ('Saudi Council of Engineers') as an 'Engineering Technologist' – issued under the 'Royal decree'. **Saudi Arabia.**
- Advanced diploma in 'Industrial Automation' from Technocrat institute of industrial automation. **Tamil Nadu – India.**

Education

- 'Bachelor of Technology' specialized in 'Electrical & Electronics Engineering' 2010 – 2014. From 'Jawahar Lal Nehru Technological University, Hyderabad – India.

Languages

- English - Proficient
- Hindi - Proficient
- Arabic - Conversational.

Interests

- Watching documentaries
- Travelling
- Cooking

Portfolio

- LinkedIn - [imran-khan-ele-eng](https://www.linkedin.com/in/imran-khan-ele-eng)