

Syed Salman Ahmad

Electrical Engineer (SCE Certified)

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Visa Status: Transferable Iqama | Address: Riyadh, Saudi Arabia (KSA)

PROFILE SUMMARY

Electrical Engineer with over **8 years of experience** in planning, designing, and executing major Residential, Healthcare, Recreational Buildings (Parks Infra), and industrial projects, including a \$875M Dubai Fakeeh Hospital project. Proven expertise in team leadership, subcontractor coordination, compliance, and energy-efficient system delivery.

SKILLS & CERTIFICATION:

- Strong knowledge of IEC, IEEE, and regional standards including DEWA, SEC, SBC (401), SEWA, ADDC.
- Experienced in MV/LV System (11kV/400V, 400V/230V), Installation, Testing & Commissioning.
- Proficient in MS Word, Excel, PowerPoint, Primavera P6 Certified, AutoCAD, with knowledge of ETAP.
- Excellent communication, problem-solving, troubleshooting, team leadership, project management skills.
- Adaptable in fast-paced environments with strong multitasking, collaboration, and coordination abilities.

LIST OF PROJECTS

- **Infra Recreational Buildings Park:** 16 square KM Area | 42 Transformers | Complex System | King Salman Park |
- **Residential Building:** Island Park I & II (G+10) | Modern Based Residential Building | Client: Emaar |
- **Healthcare Hospital Project:** Fakeeh University Hospital Dubai (4-Towers) | 9 Transformers | 4 RMU's | Total 45 Systems |
- **Power Generation Plant:** 40.8 MW Koto Hydropower Project (132 kV Sub-Station) |

PROFESSIONAL WORK EXPERIENCE

Electrical Engineer – King Salman Park, KSA

First Fix Company

Key Project:

❖ **Infra Recreational Buildings: King Salman Park | Consultant: WSP | Client: KSP |**



07/2024 – 06/2025

- Supervised and executed Testing & Commissioning of MV/LV (11kV/400V) electrical systems, including continuity, insulation resistance (megger), polarity, loop impedance, and voltage verification tests.
- Prepared QA/QC Work Inspection Requests (WIR), Commissioning Inspection Requests (CIR), and maintained strict documentation in line with project requirements and authority standards.
- Conducted inspection and quality control for all electrical installations, ensuring 100% compliance with IEC, IEEE, and SEC standards.
- Led the closure of Non-Conformance Reports (NCRs) by identifying root causes and implementing corrective actions for non-approved materials and works.
- Created and implemented Inspection Test Plans (ITPs) and Method Statements for electrical and low current systems.
- Managed Material Inspection Requests (MIRs), RFIs, and ITRs, coordinating closely with consultants and project stakeholders for timely approvals.
- Liaised with local authorities and clients during inspections to secure approvals and certifications, ensuring readiness for handover.
- Provided strong on-site leadership to testing teams and subcontractors, ensuring safe and timely execution of all QA/QC tasks.
- Ensured full compliance with project HSE policies and NEBOSH guidelines, maintaining a zero-incident safety record throughout the project lifecycle.
- Facilitated and led technical meetings with MEP subcontractors and suppliers, resolving field issues and aligning execution with project goals.
- Proactively monitored site progress, adjusting manpower and resource allocations to meet key milestones and deliverables.
- Collaborated cross-functionally with consultants, design teams, and office staff, enhancing project integration and stakeholder satisfaction.
- Demonstrated excellent troubleshooting skills, providing technical guidance for system faults during commissioning phases.

- Actively participated in lessons-learned sessions and quality audits, contributing to continuous improvement initiatives on-site.
- Recognized for strong problem-solving skills, leadership, communication, and a hands-on approach to ensuring quality and performance under pressure.

Electrical Engineer
Spectrum Cube Technical Services, Dubai

07/2022 – 06/2024



Key Project:

❖ **Residential Building: Island Park I & II (G+10) | Consultant: Mirage Leisure & Development |**

Client: EMAAR |

- Successfully installed and supervised complex systems, including LV Panels, SMDBs, DBs, MCCs, Genset, internal and external lighting, earthing materials, and Emergency Lighting, cable trays, ladders, conduits, DC Supply Distribution, Fire Alarm, CCTV, ensuring adherence to project timelines and safety standards.
- Experience in electrical load calculations, cable sizing, Voltage Drop, and UPS & battery sizing, Transformer Sizing, Capacitor Bank, Genset Sizing, improving energy efficiency to effectively utilize the system.
- Familiar with international and regional electrical standards such as IEC, IEEE, DEWA, ADDC, SBC (401), and SEC.
- Experienced in the installation, testing, and commissioning of MV/LV (11kV/400V) and ELV electrical systems.
- Prepared designs and perform load calculations, including Single Line Diagrams (SLD) and load schedules.
- Review and develop electrical shop drawings based on client requirements and project specifications, ensuring compliance with local authority regulations and standards.
- Compile and submit Material Inspection Requests (MIRs), Request for Information (RFI's), Inspection Test Requests (ITRs), and shop drawings for consultant/client review and approval.
- Create detailed Method Statements for electrical works, covering lighting, power systems.
- Coordinated with authorities during the inspection of installed electrical systems to obtain necessary approvals.
- Conducted rigorous quality control inspections, Testing and Commissioning, ensuring all installations and systems met project specifications, codes, and standards, resulting in a 100% compliance rate.
- Submit site Survey and assessments of any variation work required at site.
- Closing NCR against unapproved work / material and activities.
- Making and reviewing Inspection Test Plan (ITP's) before work execution. Knowledge of FAT and SAT tests.
- Prepared QA/QC Work Inspection Requests (WIR), and Commissioning Inspection Requests (CIR).
- Performed comprehensive electrical Testing and Commissioning tasks, such as Continuity Tests, Megger Insulation Resistance Tests, Polarity checks, Loop Impedance Test, and Voltage measurements, to ensure optimal system performance, safety, and adherence to project specifications.
- Experienced in installing solar panels in series and parallel, configuration, ensuring optimal power output and efficiency.
- Skilled in inverter installation, DC/AC cabling, and system integration for seamless solar energy conversion.
- Coordinate and allocate resources, including manpower, materials, and equipment, to ensure the timely completion of electrical engineering activities.
- Monitor and track resource utilization and availability, adjusting plans as necessary.
- Knowledge of Front-End Engineering Design (FEED), Designing, Tendering, Contract Management, BOQ Preparation.
- Monitor site progress and lead the construction team to ensure proper implementation of on site in compliance with project schedule, quality standards, Electrical codes and local regulations.
- Proficient in using Primavera P6 for planning, scheduling, and monitoring electrical engineering activities in MEP projects.
- Attend technical meetings between MEP subcontractors and Suppliers.
- Coordinated effectively with office staff, consultants, and clients, ensuring seamless project execution and stakeholder satisfaction.
- Knowledge of using Primavera P6 for project planning and scheduling, and skilled in MS Office and AutoCAD for documentation and design tasks.

- Managed and supervised site labor and subcontractors, fostering a collaborative work environment at the site.
- Proactive participation with project site team and discussion on site activities issues with seniors.
- Provided technical troubleshooting and assistance to maintenance staff.
- Developing project baselines while monitoring and controlling projects with respect to cost, resource deployment, time overruns and quality compliance to ensure satisfactory execution of projects.
- Seeks to Learn from mistakes & actively seeks feedback from peers and superiors to improve performance.
- Ensured adherence to HSE policies, NEBOSH, procedures, and regulations, maintaining a safe and compliant worksite with zero incidents.
- Strong communication, problem-solving, leadership, troubleshooting, and organizational abilities
- Utilized strong verbal and written communication skills to deliver clear and concise project updates and reports.

Electrical Engineer
Spectrum Cube Technical Services, Dubai

07/2019 – 06/2022



Key Project:

❖ **Hospital: Fakeeh University Hospital Dubai (4-Towers 2B-G-4F) | Consultant: Stantec | Client: Fakeeh |**
Total Cost: DH 875 million

- Installed and supervised complex systems, including Substation Transformer/RMU, LV Panels, switchgears, MDB's, SMDBs, DBs, MCCs, UPS, Isolated Power Supply (IPS), internal and external lighting, earthing materials, lightning protection, and Emergency Lighting, Gensets, ATS, cable trays, ladders, conduits, Fire Alarm, CCTV, ensuring adherence to project timelines and safety standards.
- Knowledge of calculating electrical load, cable sizing, Single Line Diagrams (SLD's), Voltage Drop, Transformer Sizing, Genset Sizing, Capacitor Bank, etc.
- Prepared electrical drawings, such as single-line diagrams and load schedules, which streamlined project execution and improved collaboration with cross-functional teams.
- Spearheaded Testing and commissioning of key electrical equipment, including AHUs, smoke fans, SMDBs, DBs, UPS, LV panels, and emergency lighting, ensuring all installations met international standards and specifications.
- Supervised and coordinated with DEWA authorities during the inspection of installed electrical systems to obtain necessary approvals.
- Supervision of installation, testing and commissioning of Lighting control system.
- Conducted a range of electrical Testing and Commissioning activities, including Continuity Tests, Megger Insulation Resistance Tests, Polarity Tests, Loop Impedance Test, Voltage measurements, ensuring system reliability, safety, and compliance with project standards.
- Prepare Material Inspection Requests (MIR), Request for Information (RFI's), Inspection Test Request, Shop Drawings approval from Consultant/Client.
- Follow up with supplier and subcontractor for preparing Materials Submittal and follow up until approval.
- Preparing Method Statement of Electrical works including Lighting, Power and other low current system.
- Monitor site progress and lead the construction team to ensure proper implementation of on site in compliance with project schedule, quality standards, Electrical codes and local regulations.
- Supervision and closely work with fire and life safety supplier for site readiness of Cause-and-Effect inspection and civil defence inspection.
- Familiar with local and international regulations, with the ability to coordinate and follow up with local authorities (such as Dubai Municipality, Civil Defence, DEWA, etc.) to secure drawing approvals and obtain NOCs.
- Closing NCR against unapproved work / material and activities.
- Submit site Survey and assessments of any variation work required at site.
- Attend technical meeting between MEP subcontractors and Suppliers.
- Enhanced project efficiency and accuracy through proficiency in AutoCAD and other electrical design software, delivering high-quality designs and documentation.

Key Project:

❖ **Power Generation Plant | 40.8 MW Koto Hydropower Project (132 kV Sub-Station) | Consultant: Electra | Client: PEDO**

- Assist in supervising the installation of transformers, switchgear, circuit breakers, and other substation equipment.
- Supported in ensuring proper cable laying, termination, and connection as per instructions and design specifications.
- Conduct inspections of installed equipment to verify alignment and compliance with project drawings.
- Assist in the installation of earthing systems and ensure proper grounding under guidance.
- Help with the setup of Current Transformers (CTs), Potential Transformers (PTs), Isolators, Circuit Breakers, and relays, by following senior engineers' instructions.
- Ensure the proper installation of conduits, cable trays, and trunking systems for safe and efficient cable routing.
- Monitor the assembly and installation of busbars, distribution panels, and control panels, ensuring quality workmanship.
- Ensure proper placement of auxiliary systems like battery banks, and UPS systems as directed.
- Transformer/switchgear interconnecting bus bar ducts.
- Follow safety protocols during the installation process and report any hazards to supervisors.
- Perform simple pre-commissioning checks like continuity and insulation resistance testing under supervision.
- Maintain a log of daily installation activities and report progress to the senior engineer.
- Coordinate with technicians and workers to ensure smooth execution of installation tasks.
- Maintained strict adherence to HSE policies and procedures, ensuring a safe work environment.
- Effective communicator and negotiator with strong analytical skill.
- Strong Attention to detail and problem-solving skills.

EDUCATION AND CERTIFICATION

- **Bachelor's degree in Electrical Engineering**
University of Engineering and Technology (UET), Peshawar, 2013 – 2017
- **Member of Pakistan Engineering Council (PEC) 2017**
- **Saudi Council of Engineering (SCE) Certified Membership ID: 1123092**
- **Primavera P6 Professional Project Management Certificate**

LANGUAGES

- **English** – Fluent
- **Urdu/Hindi** – Fluent
- **Arabic** – Conversational
- **Pashto** – Fluent