

# Adnan Munir

## Electrical Engineer(QC)

+92-331-5984352 — adnanmunirksa@gmail.com — linkedin.com/in/engr-adnan-munir — Riyadh, Saudi Arabia

**Summary** — Experienced Electrical QC with 8+ years of expertise in inspecting and ensuring compliance with the National Electrical Code (NEC) across various projects in Saudi Arabia, and Pakistan. Skilled in quality control, issue identification, and ensuring electrical systems meet safety and regulatory standards. Proficient in documentation, reporting, and collaborating with teams to resolve technical challenges.

## Skills

**Technical Skills** Electrical Equipment Inspection, Compliance with Standards, Installation Quality Checks, Site Technical Query (TQ), Electrical Drawing, Documentation (ITP,NCR, WIR,MIR, MR & NMR, IFC Drawing, IECEX & EExD Certification and SAP Waiver Procedure),

**Soft Skills** Reporting and Safety Protocols. Problem Solving, Time Management, Team Collaboration, Critical Thinking, and Project Coordination.

**Softwares** MS Office, AutoCAD Electrical, Python, MATLAB/Simulink, and Generative AI Developer.

## Professional Experience (8+ Years)

**Mahar Al Fan Contracting Company, Riyadh, KSA**

07 May 2023 – 30 Oct 2025

*Electrical QC Inspector*

**Project:** Operation and Maintenance of street lighting, RMU Units, LV Panel boards, Transformer in west Riyadh,Al-Urayja Municipality-Part 1

**Duties and Responsibilities:**

- Conduct quality inspections and testing for street lighting networks, RMUs, LV panels, and transformers to ensure compliance with project specifications and safety standards.
- Perform routine maintenance verification, diagnosing electrical faults and implementing corrective actions to ensure operational reliability.
- Review technical documentation, material submittal, and method statements to maintain quality assurance throughout the O and M life cycle.
- Coordinate with operations and maintenance teams to resolve non-conformances and ensure adherence to preventive maintenance schedules.

**Freyssinet Riyadh, Saudi Arabia**

15 Nov 2020 – 31 Mar 2023

*Electrical QC Inspector*

**Project:** King Salman Park- Operation and maintenance

**Duties and Responsibilities:**

- Performed quality control inspections for electrical systems including lighting networks, RMUs, LV panels, transformers, and associated equipment to ensure compliance with project specifications and international standards.
- Conducted routine surveillance and monitoring of operation and maintenance activities, verifying adherence to approved method statements, inspection test plans (ITPs), and safety protocols.
- Reviewed material submittals, technical documents, and test reports to ensure quality requirements were met prior to approval.
- Identified and reported non-conformances, coordinated with maintenance teams for corrective actions, and ensured closure of quality issues.

**Pakistan State Oil (PSO) Peshawar, Pakistan**

May 2016 – Dec 2019

*Electrical Engineer*

**Duties and Responsibilities:**

- Managed on-site electrical activities including installation, testing, maintenance, and troubleshooting of power distribution systems.
- Supervised contractors, ensured quality compliance, and enforced safety standards at site.
- Coordinated between project teams and vendors to ensure smooth execution of electrical works.

## Education

**COMSATS University (Abbottabad Campus), Pakistan**

*Bachelor of Science in Electrical Engineering*

Feb 2011–Mar 2015

## Certifications

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- Registered Electrical Engineer (Reg No: Elect/48749) ——— Pakistan Engineering Council (PEC)
- NFPA 70E (2025) - Navigating Workplace Electrical Safety & Essential Updates ——— Alison
- ISO 9001:2015 - Quality Management System (QMS) ——— Alison
- AutoCAD: Beginner to Professional Training ——— Alison
- Certified Quality Engineer Professional Certification ——— ITronix Solution
- AutoCAD Certification ——— ITronix Solution
- Six Sigma Certification ——— ITronix Solution
- Introduction to Data Analysis Using Microsoft Excel ——— Coursera

## Duties and Responsibilities

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- Implemented and monitored Quality Control Plans (QCPs) and Inspection and Test Plans (ITPs) for electrical installation and maintenance activities.
- Conducted detailed electrical inspections to ensure compliance with approved drawings, project specifications, and international standards such as NEC, IEC, and IEEE.
- Supervised and inspected street lighting systems, cables, panels, grounding systems, and related electrical infrastructure during installation and maintenance works.
- Prepared and submitted QA/QC documentation, including inspection reports, WIRs, MIRs, checklists, and Non-Conformance Reports (NCRs).
- Identified quality issues and ensured implementation of corrective and preventive actions in coordination with project teams.
- Verified materials and equipment delivered to site in accordance with approved submittals and project requirements.
- Witnessed and documented testing and inspection activities for electrical systems and equipment.
- Coordinated with project engineers, consultants, supervisors, and contractors to maintain quality standards and resolve technical issues.
- Ensured electrical works were executed according to project quality plans, safety regulations, and client requirements.
- Maintained proper quality records and documentation for audits, inspections, and project reporting.
- Monitored site activities to ensure high-quality workmanship and compliance during electrical installation and maintenance works.
- Promoted and maintained safety standards, ensuring proper PPE usage and adherence to site safety procedures.

## Area of Expertise

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- Electrical Quality Control (QC) Engineering and Inspection.
- Inspection and Test Plan (ITP) Development and Implementation.
- Non-Conformance Reporting (NCR) and Corrective Actions.
- Electrical Installation Inspection (Street Lighting and Infrastructure).
- Compliance with NEC, IEC, IEEE and ISO Standards.
- Collaboration with Project Stakeholders (Engineers, Contractors, Clients).
- Knowledge of International Standards (NEC, IEC, IEEE) and Local Regulations.
- Operation and Maintenance (O&M) of Electrical Systems.

## Languages

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- English (Fluent)..... Arabic (Basic)
- Urdu (Excellent)..... Pashto (Excellent)