

MOHAMMED AFFAN

KSA

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PROFESSIONAL SUMMARY

Highly motivated and detail-oriented Electrical and Instrumentation Engineer with QA/QC expertise with 2 years of experience in quality assurance, quality control, and inspection within Electrical and Instrumentation Engineering projects. Skilled in preparing and reviewing ITPs, RFIs, MIRs, conducting inspections, and ensuring compliance with safety and quality standards. Committed to delivering quality-driven results and contributing to successful project execution.

WORK EXPERIENCE

Western Province (KAEC), KSA | Present

Global Horizon Company Joint Venture With Contracting And Construction Enterprises Co.
To Execute The Lucid Motors Advanced Manufacturing Plant 2 - *Electrical QC Engineer*

Eastern Province, KSA | July 2025 - Aug 2025

Ghost Protocol Company (UK - Scotland) joint venture with First Premium Solution Co.
(Riyadh) to execute the SWCC Integrated Security Project - *Electrical QC Inspector*

India | Jan 2024 - April 2025

Acme Cleantech Solutions - *QA/QC Engineer*

Green Hydrogen and Ammonia Plant

India | Feb 2023 - Sep 2023

Smart Car Parking Project - *Electrical & Instrumentation Engineer*

Designed and implemented an automated parking management system using sensors, microcontroller, and real-time user interface to monitor slot availability. Enhanced efficiency by reducing congestion, saving time, and optimizing space utilization.

ROLES AND RESPONSIBILITIES

- Review and implement project specifications, standards, and quality requirements as per client and international codes.
- Conduct inspections for materials, equipment, and installation activities to ensure compliance with approved drawings and procedures.
- Prepare and review QA/QC documents such as ITPs, Method Statements, WPS, and inspection checklists.
- Monitor site activities to ensure quality workmanship and adherence to project standards.
- Coordinate with clients, consultants, and third-party inspectors for inspection and approval of work.
- Verify calibration and certification of instruments, tools, and test equipment.
- Identify non-conformities (NCRs), initiate corrective and preventive actions, and ensure their timely closure.
- Maintain quality records, reports, and inspection logs for traceability and audits.
- Support testing and commissioning activities and verify results against specifications.
- Ensure compliance with HSE (Health, Safety, and Environment) standards while executing quality-related activities.
- Design, installation, and commissioning of electrical and instrumentation systems in industrial projects.
- Operation, maintenance, and troubleshooting of motors, panels, sensors, transmitters, and control systems.
- Calibration and loop checking of field instruments with PLC/DCS integration.
- Ensure compliance with electrical codes, instrumentation standards, and safety regulations.

PROJECT MANAGEMENT SKILLS

- Planning and scheduling inspection and testing activities as per project timelines
- Coordinating with project teams, vendors, and clients for quality compliance
- Monitoring quality control checkpoints and ensuring adherence to standards
- Maintaining detailed QA/QC documentation and inspection reports
- Managing inspection schedules and ensuring timely completion of ITPs and RFIs
- Effective communication with clients, contractors, and management for smooth project execution

EDUCATION

Hyderabad, India |

Osmania University - | *Electrical & Instrumentation Engineer*

CERTIFICATION

Diploma in QA/QC Electrical & Instrumentation
TWG International – Hyderabad, India

KEY SKILLS

- AutoCAD & Graphics
- MS Office
- Instrumentation & Control Systems
- Basics in DevOps
- Communication & Leadership

LANGUAGES

- English
- Urdu
- Arabic