

Muhammad Mustafa

QC/QA Electrical Engineer

Riyadh, Saudi Arabia | +966 531 295 136 | eengg.mustafa@gmail.com | Transferrable IQAMA

Portfolio: mmj-mustafa.github.io

Professional Summary

QC/QA Electrical Engineer with 3+ years of experience overseeing inspection, testing, and quality assurance of electrical installations in construction and power projects. Proven track record in managing QA/QC documentation, AutoCAD markups, regulatory compliance, and coordination with multidisciplinary teams. Adept in preparing WIR, MIR, MAR, ITPs, and managing NCRs and SORs while ensuring ISO 9001 compliance and continuous quality improvement.

Experience

1. QC/QA Electrical Engineer | MAS Engineering and Construction Ltd., Riyadh | PRIME Project Riyadh

Duration: 1+ Years

- Executed QA/QC activities per project specifications, SEC standards, and ISO 9001:2015.
- Prepared and reviewed MAR, MIR, WIR, MTS, and ITP documents.
- Created and edited AutoCAD markup drawings for redlines and as-builts.
- Maintained QA/QC logs (WIR, MIR, NCR, RFI) and version-controlled records.
- Conducted electrical inspections: cable trays, MDBs, SMDBs, lighting, grounding, panels.
- Supervised continuity, insulation, and phase sequence testing; supported commissioning.
- Responded to SORs, NCRs, and RFIs with root cause analysis and CAPA.
- Ensured firestopping, safety, and instrument calibration compliance.
- Collaborated with consultants for inspections, audits, and document approvals.
- Participated in internal QA audits and supported continuous improvement.

2. QC Electrical Inspector | Power Solutions Pvt. Ltd.

Duration: 2 Years

- Performed inspections for electrical systems in power generation/distribution projects.
- Implemented ITPs and verified compliance through load testing
- Reviewed and processed WIRs and NCRs; ensured corrective actions were documented.
- Streamlined documentation control and coordinated with cross-functional teams.

3. Trainee Engineer | Power Solutions Pvt. Ltd.

Duration: 6 Months

- Assisted in FAT of DBs, panels, and switchgear; conducted functionality tests.
- Tested earth continuity and phase sequence for compliance with safety standards.
- Supported troubleshooting and process improvement during panel assembly.

Education

- BS Electrical Engineering | Gujranwala Institute of Future Technology (GIFT University)

Certifications

- LeanPM® Black Belt, Green Belt, Yellow Belt – Lean Project Management Foundation
- Six Sigma Black Belt – Project Management
- ISO 9001: Quality Management Systems – MindLuster
- Lean Six Sigma White Belt – CSSC
- OTHM Level 6 Diploma in Occupational Health and Safety – Ofqual
- Managing Safely – IOSH
- OSHA 30-Hour Construction Safety – OSHAcademy
- Confined Space | Fire Safety | Electrical Safety | Work at Height – OSHAC
- What is Business Analysis? – LinkedIn
- Project Management Fundamentals – Google & Coursera
- First Aid CPR – OSHAC
- Risk Assessment – OSHAC

Skills

- Electrical Testing & QA Procedures
- WIR, MIR, MAR, ITP Documentation
- AutoCAD Markups
- Inspection & Commissioning
- NCR/SOR/RFI Management
- Fire Stop & Safety Compliance
- QA/QC Logs & Document Control
- FAT/SAT Supervision
- Root Cause Analysis & CAPA
- ISO 9001 Quality Management
- Cross-Disciplinary Coordination
- Problem-Solving & Leadership

Languages

- English, Urdu, Basic Arabic