

Ragab Mustafa Loza

Senior Quality Control Engineer | Infrastructure & Finishing Specialist
PMP® | PMI-RMP® | ISO 9001:2015 Lead Auditor | Lean Six Sigma Black Belt

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Professional Summary

PMP® and RMP® certified Senior Quality Control Engineer with 6+ years of experience in infrastructure, roads, concrete structures, finishing, and post-tension works. Strong background in QA/QC Management, Quality Assurance, Quality Control, Inspection & Testing Plans (ITP), Method Statements, Material Submittals, Site Inspections, and Compliance Verification.

Certified ISO 9001:2015 Lead Auditor and Lean Six Sigma Black Belt, with proven capability in process improvement, root cause analysis, risk assessment, and mitigation planning. Skilled in coordinating with consultants, contractors, and project stakeholders to ensure adherence to project specifications, codes, and standards.

Hands-on experience managing RFI, MIR, NCR, CAR, and full QA/QC documentation, including checklists, logs, reports, and handover dossiers. Demonstrated ability to lead and support cross-functional teams to deliver projects safely, on time, and within quality requirements.

Currently based in Riyadh and seeking to contribute strong quality leadership, technical expertise, and project compliance to top-tier engineering and contracting firms in the region.

Professional Experience

Senior QC Engineer – SIAC Construction – FUTURE OF EGYPT | Feb 2024 – NOV 2025

- Conducted quality inspections on water infrastructure, including main and secondary pipelines (steel, RC, UPVC, HDPE, GRP).
- Supervised structural works: reinforcement, concrete pours, waterproofing, and finishing to ensure compliance with project specifications.
- Reviewed and approved material submittals, ITPs, test reports, and method statements for civil and electrical works.
- Coordinated site teams, consultants, and subcontractors to resolve quality issues, mitigate delays, and streamline workflow.
- Managed site logistics, manpower allocation, and material readiness to optimize project execution.
- Prepared and maintained QA/QC documentation, inspection requests, and quality reports.

QC Engineer – SIAC Construction – Menoufia National University | May 2022 – Feb 2024

- Supervised structural concrete works for academic and laboratory buildings (B+G+4, 62,000 m²) ensuring full QA/QC compliance.
- Coordinated architectural finishing works including tiling, plastering, ceilings, façade cladding, and MEP integrations.
- Reviewed and approved shop drawings and resolved technical issues in coordination with consultants and subcontractors.
- Implemented quality control systems, monitored performance metrics, identified non-conformities, and developed corrective actions.
- Managed daily site operations, manpower allocation, material readiness, and resources to optimize workflow and timelines.
- Prepared technical documentation and weekly progress reports for stakeholders and final handover.

QC Engineer – SIAC Construction – Egypt Mosque | Jan 2021 – May 2022

- Supervised structural works of minarets (148m), domes, prayer halls, and marble courtyards (30,000 m²) with full QA/QC compliance.
- Managed high-end interior finishes: marble, wood, Islamic decorations, and custom chandeliers.
- Reviewed and approved architectural/shop drawings and coordinated civil, MEP, and finishing teams to meet project deadlines with zero major NCRs.
- Implemented quality control procedures, including root cause analysis, corrective/preventive actions, NCR issuance, and punch list closure.
- Prepared technical documentation and weekly progress reports, supporting site teams and project management.

QC Engineer – SIAC Construction – The People’s Square | Sep 2019 – Dec 2021

- Oversaw structural and finishing works for the Martyrs Memorial (30m) and the World’s Tallest Flagpole base (204m), including stone/granite installation and heavy equipment coordination.
- Supervised post-tensioning works, concrete casting, excavation, waterproofing, and MEP activities to ensure compliance with project specifications.
- Coordinated civil, architectural, mechanical, and electrical teams, resolving technical issues and streamlining workflow.
- Implemented QA/QC procedures: Inspection Test Plans (ITP), NCRs, material approvals, and punch lists.
- Maintained accurate QC documentation and provided guidance to site managers for corrective actions.

Education

Bachelor of Civil Engineering — (2019)

Certifications

- **PMP® – Project Management Professional – PMI**
- **RMP® – Risk Management Professional – PMI**
- **Lean Six Sigma Black Belt – CSSC | CPD Certified**
- **ISO 9001:2015 Lead Auditor – CQI | IRCA Certified**
- **Management Acceleration Program – AUC In Cairo**

Professional Memberships

- Saudi Council of Engineers (SCE) – Active Member
- Egyptian Engineers Syndicate – Registered Civil Engineer

Technical Skills

- **Site Supervision & Inspection** – Civil, finishing, and infrastructure works
- **QA/QC Management** – Inspection & Test Plans (ITP), Material Approval, NCR/CAR, MIR, IR
- **Construction Documentation** – Daily reports, quality logs, punch lists, handover files
- **Project Coordination** – Consultants, subcontractors, multidisciplinary teams
- **Infrastructure Works** – Water networks, sewage networks, water/wastewater plants, utilities.
- **Shop Drawings & BOQ Review** – Civil, architectural, and MEP coordination.
- **Risk & Quality Assessment** – Corrective/preventive actions, root cause analysis.
- **Technical Reporting** – Progress reports, quality documentation, site instructions.
- **Material Management** – Procurement follow-up, material approvals, readiness tracking.

Soft Skills

- **Leadership & Team Management** – Leading cross-functional teams on-site
- **Decision Making & Problem Solving** – Handling technical and quality challenges
- **Strategic & Creative Thinking** – Process improvement and workflow optimization
- **Time Management & Organization** – Ensuring project timelines and milestones
- **Communication & Presentation Skills** – Reporting to consultants, clients, and stakeholders
- **Negotiation & Coordination** – Managing subcontractors, suppliers, and site teams
- **Emotional Intelligence & Business Etiquette** – Professional interaction in multicultural teams

Behavioral Skills

- Action Oriented, Ensures Accountability, Collaborates, Communicates Effectively, Self- Development, Situational Adaptability.