

Engr.Sajawal Saeed

QC Mechanical

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IQAMA Status: Transferable



CAREER SUMMARY

Detail-oriented and experienced Mechanical Engineer with various years of experience in Mechanical field with a strong background in quality control and inspections. I am dedicated to ensuring the design and operation of systems. I possess comprehensive knowledge of quality control methodologies and inspection techniques, as well as technical skills in areas such as firefighting, plumbing and sewer systems, hydraulic calculations, and HVAC ducting design. My expertise aligns with both international and local standards, including NFPA, IPC, and SBC, enabling me to identify and resolve issues effectively. I am passionate about learning and developing both existing and new skills, and I enjoy problem-solving using established analytical and empirical engineering principles.

PROFESSIONAL QUALIFICATION

Bachelor of Science in Mechanical Engineering

University of Engineering

& Technology Taxila, Pakistan (16 years Education)

Nebosh IGC

Diploma of information Technology

Khyber pakhtoonkhawa Trade Testing Board Peshawar Pakistan.

Diploma in safety supervisor

Khyber pakhtoonkhawa Trade Testing Board Peshawar Pakistan.

PROJECT'S:

- King Abdul Aziz medical city extensive medical facility expansion designed to provide comprehensive healthcare services and specialized treatment options, operation theaters, wards, meeting rooms, X-rays rooms, Laboratories, Pharmacy, offices, canteens, mess halls along with all utilities and Facilities Mechanical Systems like HVAC (Package Unit, Fresh Air Handling Unit, VRF/VRV System, Split System), Fire Fighting (Fire pump (2000 GPM), Sprinklers, Fire Hydrant, Post indicator valve, Alarm Check valve

assembly) Plumbing, Solar Water Heater, Sewerage, Sewage Treatment plant STP(2200cmd)

- Saudi German Hospital Groups designed to provide comprehensive healthcare services and specialized treatment options, operation theaters, wards, meeting rooms, X-rays rooms, Laboratories, Pharmacy, offices, canteens, mess halls along with all utilities and Facilities Mechanical Systems like HVAC(Package Unit, Fresh Air Handling Unit, VRF/VRV System, Split System), Fire Fighting(Fire pump 1500GPM, Sprinklers, Fire Suppression(FM1000), Fire Hydrant, Post indicator valve, Alarm Check valve) Plumbing, Solar Water Heater, Sewerage, Sewage Treatment plant STP(1800cmd).
- Riyadh metro projects which total span is 176km across 6 lines & including 85 stations. Metro consist of total 6 lines & the lines are designed to integrate seamlessly with existing infrastructure, including bus lines, Parking facilities and roads. Complete utility & controls rooms and Facilities Mechanical Systems like HVAC(Package Unit, Fresh Air Handling Unit, VRF/VRV System, Split System), Fire Fighting(Fire pumps, Fire Hydrant, Post indicator valve, Alarm Check valve) Plumbing, ,Sewerage system.

□ AL-QAA Commercial project consist of site 1,2,3 and 4. Site 1 & 2 tactical areas including 12 grocery markets, Warehouses, Commercial kitchen & dining. Site 3 & 4 of the project consist of administration building's, offices, Clinic, Fire station and utility area which consist of irrigation water tanks, Domestic water reservoir, fire water tanks, Underground water Tank, Generator Room, and diesel storage tank.

PROFESSIONALEXPERIENCE

Meridian Quality Management Professionals

Project 1: King Abdul Aziz medical city Project (Riyadh)

Project 2: Riyadh metro Project

Position: QC Engineer

Dec 2021 to Present

Saleh Zuhair Al-Shamrani Holding co.

Project: AL-QAA Commercial PROJECT, QUNFIDHAH

Client: Ministry of Defense

Position: QC Engineer

Jan 2020 to Dec2021

Pakistan Locomotive Factory Risalpur

Position: Mechanical Engineer

June 2018 to Dec 2019

Heavy Mechanical Complex Taxila (HMC) Pakistan

Position: Mechanical Inspector

November 2017 to April 2018

Job Description

- Develop detailed Quality Assurance and Quality Control plans for mechanical systems HVAC, plumbing, fire protection and mechanical equipment installation.
- Define the quality objectives, monitoring and reporting procedures, and inspections throughout the project.
- Ensure that the plans align with industry standards, regulations, and project-specific requirements.
- Review the daily look-ahead plan for upcoming inspections. Attend meetings with representatives from the contractor and subcontractor.
- Lead the kickoff meeting upon the start of any new activity or project.
- Conduct daily inspections in accordance with the shared look-ahead plan for various systems, including HVAC, plumbing, irrigation, and firefighting.
- Root Cause Analysis & Corrective Action Implementation.
- Prepare and present regular quality control reports to the project manager, including updates on inspections, tests, and non-conformance issues.
- Evaluate the shop drawings alongside the comments resolution sheet (CRS) and verify the implementation of site changes.
- The redline drawings approved by the CRS and compare them with current site conditions. If discrepancies are identified, generate a site observation report (SOR) or a non-conformance report (NCR).
- Review relevant international and national codes applicable to site conditions, such as NFPA, SBC, IPC, and ASTM, ensuring these standards are implemented on site.
- Issue a non-conformance report (NCR) upon identifying any deviations from national and international codes.
- Snag and de-snag technical comments on site activities with reasonable justification.
- Lead the preparation of inspection and test plans (ITPs) and ensure all activities are documented according to internal and international standards.
- Process material inspection requests upon receiving new materials, including the delivery note, factory test certificate, manufacturer drawings, and mill test certificate.
- Implement quality control and quality assurance standards.
- Execute the quality plan, procedures, and checklists.
- Ensure that the approved Inspection and Test Plan (ITP) and Method Statements are implemented by the contractor on site, coordinating required hold points with the project team.

- Conduct quality or technical compliance audits for contractors, subcontractors, or vendors.
- Review QA/QC procedures submitted by the contractor to ensure compliance with project specification requirements.
- Act as a Fire Equipment Technical Evaluator Specialist, assessing the suitability, reliability, and effectiveness of firefighting equipment, leveraging strong knowledge of firefighting tools and technology.
- Assess and approve the project-specific quality plan, ITP, WIR/FRI, and testing procedures. Evaluate method statements for various mechanical systems, including HVAC, firefighting, domestic water supply sewerage, and irrigation.
- Prepare final QA/QC documentation for client submission, ensuring all quality-related requirements are met and signed off.

SKILLS	CERTIFICATION
<ul style="list-style-type: none"> • Microsoft Office • Microsoft Excel • Site Planning Supervision • Quality Inspection & Test Witnessing • Documentation • Report Writing • Quality control • Good customer focus • Testing 	<ul style="list-style-type: none"> • Institute of Occupational Safety and Health. • Lean Six Sigma White belt • QMS ISO 9001:2015
<ul style="list-style-type: none"> • Analytical & Problem-solving skills • Excellent negotiations skills • Good written skills in English • Excellent Communication skills • Time Management skills • Project Management • Health & Safety Management 	<p data-bbox="829 1304 1472 1377">MEMBERSHIP</p> <ul style="list-style-type: none"> □ Pakistan Engineering Council, PEC. Registered as Professional Engineer,