

Engr. Muhammad Junaid

Mechanical/ Industrial Engineer

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Riyadh, Saudi Arabia

Valid Transferable Iqama and Immediate Joining

MEMBERSHIP

Saudi Council Engineer | 1182572

Pakistan Engineering Council |
Mech/36820

EDUCATION

- 1) Master in Industrial Engineering | **2022**
- 2) Diploma in English Language | **2019**
- 3) Bachelor in Mechanical Engineering | **2017**
- 4) Diploma in Mechanical Technology | **2012**

SOFTWARE SKILLS

- AutoCAD
- SolidWorks
- MATLAB
- Python
- Arena 10
- Fusion
- PTC Creo
- Microsoft Office
- Revit MEP

TECHNICAL SKILL

- Fabrication
- Machining
- Engineering Drawing
- Design & Development
- Project Management
- Technical Report Writing,
- Research, and Documentation
- Planning & Development
- Communication & Presentation Skills
- HSE Knowledge & Compliance
- Quality Assurance & Quality Control
- HVAC
- Fire Fighting
- Plumbing
- Operation & Maintenance
- Piping networks

OBJECTIVE

Certified Mechanical Engineer with 12+ years of experience in academic, construction, engineering, commissioning and operation projects, specializing in quality control, design review, material selection, MEP coordination, and quantity take-offs. Skilled in QA/QC inspections (MIR, WIR, TIR) and proficient in plumbing, firefighting, HVAC, and ducting systems. Experienced in procurement, technical coordination, and project handover documentation in compliance with standards.

Seeking a challenging role to apply technical expertise, quality assurance, and leadership skills in mechanical systems across infrastructure, industrial, or oil & gas projects, ensuring efficient, compliant, and high-quality execution of HVAC, plumbing, firefighting, and piping works.

EXPERIENCE

Mechanical Engineer (Freelancer) | 06/2025 to continue

Hasenkamp Arabia Ltd., Riyadh, KSA

Project: Fabrication work at Tuwaiq sculpture

QA/QC Mechanical Engineer | 10/2023 to 04/2025

Mfaheem Al Emar for Trading and Contracting Company, Jeddah, KSA

Project: Mouwasat Hospital Jeddah

QC Mechanical Engineer | 09/2020 to 07/2022

GASCO Engineering (PVT) Limited, OGDCL, Ghotki

Project: Compression projects at Qadirpur Gas Field

Mechanical Engineer | 12/2018 to 06/2020

IZHAR Group of Companies, Lahore, Pakistan

Projects: Construction of Coca-Cola Beverages Pakistan Limited & Ecolan Pakistan Private Limited.

Mechanical Inspector | 11/2017 to 10/2018

Small & Medium Enterprises Development Authority, Peshawar

Project: Fruit Hydration Unit, Swat

Mechanical Supervisor | 2 Years

Royal Petrochemical Industries (Pvt) Ltd, Peshawar | 2 Years

JOB RESPONSIBILITIES

- Ensure all field works comply with project quality standards, procedures, and specifications; initiate corrective actions for non-conformance.
- Supervised and managed all mechanical activities, including installation, testing, and commissioning of HVAC, plumbing, and firefighting systems.
- Coordinate with clients and consultants through meetings to ensure work align with project requirements; plan, monitor, and track work progress.
- Prepare method statements, update log sheets in Aconex, and resolve pending site issues.

CERTIFICATES

- NEBOSH IGC
- Engineering Project Management
- Design of Industrial Piping Systems
- Design of Ventilation & Air conditioning System for Buildings
- Logistics Excellence
- Quality Improvement and Management
- SOLIDWORKS Assemblies and Exam Level Part Modeling
- BIM Fundamentals for Engineers
- Management and Financial accounting

LANGUAGES

- Urdu (Native)
- English (Professional)
- Pashto (Mother Tongue)
- Arabic (Basic)

PERSONAL ATTRIBUTE

- Analytical and problem-solving abilities
- Teamwork and Collaboration
- Adaptability
- Problem solver
- Attention to details
- Quick learner
- Work Ethics
- Strong leadership and decision-making
- Capabilities

MAJOR SUBJECTS

- Quality Engineering
- Materials Engineering
- Heat & Mass Transfer
- Engineering Experimental Design
- Fluid Mechanics
- Risk Analysis
- Manufacturing Processes
- Production Automation
- Refrigeration & Air Condition
- 3D Printing/ Additive Engineering
- Product Design and Development
- Engineering Metallurgy

REFERENCES

Will be provided upon request.

- Maintain and manage all quality documentation, including certificates, calibrations, test results, inspection requests, non-conformance reports, site instructions, and delivered materials.
- Monitor, verify, and document work executed by technicians; provide technical guidance to the construction team for proper implementation of design.
- Ensured all mechanical works were executed in accordance with approved design drawings, specifications, and standards (ASHRAE, SMACNA, NFPA, and local authority codes).
- Oversaw installation and commissioning of:
HVAC systems: Chilled water networks, AHUs, FCUs, ducting, and ventilation.
Plumbing & drainage systems: Water supply, sewage, and storm-water.
Firefighting systems: Sprinklers, hydrants, pumps, and valves.
Piping networks: Pumps, valves, and control systems..
- Prepare Material Requisitions for MEP services and coordinate with procurement to ensure materials meet specifications.
- Coordinate with suppliers for submission of material submittals and pre-qualifications per employer requirements.
- Review plans, drawings, and quantities for accuracy and compliance.
- Ensure construction, installation, and operational testing meet functional and design requirements.
- Prepare material inspection reports and conduct site visits to verify quality and quantity.
- Confirm mechanical systems meet required standards and operational conditions.
- Collaborate with the design team to implement IFC drawings and manage site-specific or client-requested changes.
- Conduct site inspections with consultants and clients, including testing and commissioning of systems.
- Verify subcontractor claims and assess work completed.
- Prepare quantity sheets and generate bills from BOQ.
- Promote and maintain a safe work environment on-site.
- Verified as-built drawings and documentation for final QA/QC close-out and handover packages.
- Enforced HSE and quality standards during inspection activities, ensuring safe and compliant work practices.
- Ensured compliance with work permits, conducted JSA, toolbox talks, and site safety briefings.
- Enforced PPE usage and safe work conditions; authorized to halt unsafe activities.
- Implemented emergency response procedures and ensured workforce safety awareness.