

KHALIK RAZA

Mechanical Site Engineer

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Transferable Iqama | Indian Nationality | Date of Birth: 06 December 1998

PROFESSIONAL SUMMARY

Mechanical Site Engineer with nearly 5 years of experience in MEP construction, specializing in HVAC, plumbing, firefighting systems, testing & commissioning, and site execution across commercial, hospitality, residential, and large-scale development projects in Saudi Arabia. Experienced in supervising mechanical installations, reviewing shop drawings and IFC drawings, coordinating technical submittals, conducting quality inspections, and ensuring compliance with project specifications and international standards. Skilled in project coordination, contractor management, site supervision, testing & commissioning, and multidisciplinary team collaboration to ensure successful project delivery.

CORE COMPETENCIES

- HVAC Systems Installation
 - Plumbing Systems
 - Fire Fighting Systems
 - Chilled Water Systems
 - Mechanical Site Supervision
 - Material Submittals
 - Quality Control & Inspection
 - Site Coordination
 - Project Documentation
 - Construction Management
 - Technical Problem Solving
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PROFESSIONAL EXPERIENCE

Mechanical Engineer / Mechanical Site Engineer

First Fix | Riyadh, Saudi Arabia
2021 - Present

Key Responsibilities

- Supervised installation of HVAC, plumbing, firefighting, chilled water, and mechanical systems in accordance with approved drawings and project specifications.
 - Reviewed shop drawings, IFC drawings, and material submittals before execution.
 - Coordinated daily site activities with contractors, consultants, subcontractors, and other disciplines.
 - Conducted site inspections and quality checks to ensure compliance with project requirements and international standards.
 - Prepared and submitted inspection requests (IRs) and coordinated approvals with consultants.
 - Monitored construction progress and resolved site-related technical issues.
 - Coordinated testing and commissioning activities for mechanical systems.
 - Verified quantities, monitored material usage, and supported project reporting.
 - Assisted in preparation of as-built drawings and handover documentation.
 - Ensured compliance with project quality, safety, and schedule requirements.
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PROJECT EXPERIENCE

VIA Riyadh

Luxury Retail, Restaurants, Cinema C Commercial Development

- Supervised HVAC, plumbing, and firefighting installations.

- Coordinated with consultants and contractors during execution and commissioning.
- Conducted inspections and ensured compliance with project specifications.

AMAALA Triple Bay Integrative Wellness Resort

Red Sea Development

- Managed mechanical installation activities for hospitality and wellness facilities.
- Reviewed technical submittals and coordinated inspection activities.
- Supported testing and commissioning of mechanical systems.

King Salman Park - National Theatre

Public Health C Domestic Pump Room Systems

- Supervised installation and testing of domestic water and pump room systems.
- Ensured quality compliance and successful project execution.

Ilmi Science Discovery s Innovation Center

- Coordinated HVAC, plumbing, and firefighting system installation works.
- Supported project documentation, inspections, and site supervision.

EDUCATION

Bachelor of Engineering (Mechanical Engineering)

VIT Engineering and Technology

Graduation Year: 2020

CERTIFICATIONS

- HVAC Design C Construction - ASHRAE C SMACNA Standards
- Licensed Quality Inspector
- Engine Overhauling Training Program

- 3D Printing Workshop
 - Part Modelling C Simulation Training
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TECHNICAL SKILLS

Engineering Skills

- HVAC Systems
- Plumbing Systems
- Fire Fighting Systems
- Chilled Water Systems
- Pump Room Systems
- Testing C Commissioning
- Mechanical Services Coordination

Software

- AutoCAD 2D
 - AutoCAD 3D MEP
 - Microsoft Office (Excel, Word, PowerPoint)
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LANGUAGES

- English
- Urdu
- Arabic