

# Fahad C Thodikayil

Mechanical Project Engineer

## CONTACT ME

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**Location:** Riyadh, Saudi Arabia

## PROFESSIONAL SUMMARY:

Mechanical Project Engineer with 8+ years of experience in the MEP construction industry, delivering HVAC, plumbing, and firefighting systems across commercial, hospitality, and residential projects in the GCC. Experienced in project execution, MEP coordination, QA/QC, and cost control, achieving zero NCR handovers, 30% rework reduction, and faster inspection closure. Strong capability in shop drawing review, BOQs, inspections (MIR/FIR/ITP), and HSE compliance, ensuring on-time, compliant project delivery. Proficient in AutoCAD and MS Project, with formal training in HVAC systems and Project Quality Management (QA/QC).

## EDUCATION

**Bachelor of Technology in Mechanical Engineering**

Kannur University | Kerala, India | 2016

## TECHNICAL SKILLS

- MEP Project Execution
- HVAC Systems Engineering
- Plumbing Systems
- Firefighting Systems
- QA/QC Management
- Inspection & Testing (MIR / FIR / ITP)
- Shop Drawing Review
- BOQ Preparation & Control
- Cost Control & Material Tracking
- MEP Coordination
- HSE Compliance
- AutoCAD & MS Project

## WORK EXPERIENCE

### Mechanical Engineer | Arabian Alligator Contracting Company | Riyadh, Saudi Arabia | 2024 – Present

- Led MEP planning and execution for complex commercial projects, ensuring full compliance with Saudi Building Codes, approved designs, and client requirements.
- Controlled mechanical design reviews (shop drawings, ITPs, method statements) to ensure constructability, quality, and error-free site execution.
- Drove multidisciplinary coordination with architectural, electrical, and civil teams to achieve seamless system integration and on-time delivery.
- Supported project controls by contributing to schedules, budgets, and manpower planning to maintain progress and cost discipline.
- Executed and supervised HVAC, plumbing, and firefighting inspections, ensuring compliance prior to consultant and client approvals.
- Managed QA/QC documentation and handover packages, enabling smooth project closeout and regulatory acceptance.
- Led and supervised 20–30 site personnel, resolving mechanical issues quickly to prevent delays and reduce rework costs.

#### Key Projects:

- VISA Headquarters – KAFD, Riyadh
- BCG Office – KAFD, Riyadh
- JP Morgan Office – Riyadh
- PIF Projects – KAFD, Riyadh
- EY Headquarters – KAFD, Riyadh

### Mechanical Engineer | Brandcorp International Trading and Contracting Company | Doha, Qatar | 2022 – 2023

- Executed HVAC and plumbing works for commercial, hospitality, and residential projects, ensuring compliance with QCS, approved shop drawings, and project specifications.
- Coordinated MEP and architectural interfaces to resolve clashes and site conflicts, improving installation accuracy and minimizing rework during construction.
- Implemented QA/QC procedures and inspection plans, achieving zero non-conformance (NCRs) at project handover and consultant approval.
- Supported project cost control and procurement planning, contributing to a 12% reduction in material waste through accurate BOQs and material tracking.
- Reviewed mechanical drawings, submittals, and calculations using AutoCAD and HAP, ensuring HVAC load accuracy and system compliance.
- Resolved on-site mechanical issues related to HVAC and plumbing systems, maintaining construction progress, quality standards, and delivery timelines.

#### Key Projects:

- Black Olive 5-Star Hotel Project – Doha, Qatar
- Doha Oasis Project – Doha, Qatar
- Home Box, Abu Sidra Mall – Doha, Qatar
- Bu Hamour Garden – 50 Villas Project – Doha, Qatar

## PERSONAL SKILLS

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- Project Coordination
- Stakeholder Management
- Cross-Functional Collaboration
- Problem Solving
- Decision Making
- Time Management
- Risk Management
- Quality Focus
- Leadership
- Communication

## PROFESSIONAL COURSES

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- HVAC Systems Training and Certification
- Project Quality Management (QA/QC) Training

## LANGUAGES

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- English 
- Malayalam 
- Hindi 

## REFERENCES

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- Available upon request

## WORK EXPERIENCE

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### Mechanical Site / QA-QC Engineer | Mesosphere Contracting Company | Doha, Qatar | 2019 – 2022

- Supervised mechanical installations and inspections across HVAC and plumbing systems, ensuring full compliance with QCS, approved drawings, and regulatory standards.
- Controlled QA/QC inspection processes and documentation (MIR, FIR, ITP), maintaining full traceability and accelerating consultant and client approvals.
- Led mechanical process improvements on site, reducing rework by 30% and improving inspection closure time by 25%.
- Coordinated with project managers and site teams to streamline mechanical execution and reporting, improving workflow efficiency and site control.
- Resolved on-site mechanical non-conformances, preventing delays and protecting project quality and compliance.
- Supported project delivery decisions by providing accurate inspection data and technical input to management.

### Mechanical Site Engineer | RBN Contracting Company | Doha, Qatar | 2017 – 2019

- Coordinated HVAC, plumbing, and firefighting installations across residential and commercial projects, ensuring aligned execution and uninterrupted site progress.
- Reviewed mechanical design drawings against site conditions to confirm constructability, preventing execution conflicts and reducing rework risk.
- Ensured compliance with HSE and mechanical standards during site activities, supporting safe operations and on-time project delivery.
- Resolved on-site technical issues between engineering and construction teams, preventing delays and protecting approved budgets.
- Monitored mechanical work sequencing and interfaces, maintaining workflow efficiency and minimizing installation clashes.
- Supported project delivery timelines through proactive coordination and issue escalation, maintaining schedule adherence.

## KEY ACHIEVEMENTS

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- Delivered zero NCR handovers across multiple MEP projects by enforcing strict QA/QC procedures and inspection controls.
- Reduced mechanical rework by 30% through process improvements in inspections, coordination, and constructability reviews.
- Achieved a 12% reduction in material waste by supporting effective procurement planning, BOQ control, and site coordination.
- Improved inspection closure time by 25% by streamlining MIR/FIR/ITP workflows and consultant coordination.
- Led and coordinated multidisciplinary site teams, ensuring aligned execution of HVAC, plumbing, and firefighting systems.
- Successfully supported on-time delivery of commercial, hospitality, and residential projects across Qatar and Saudi Arabia.