

# Arslan Faisal

## Mechanical Engineer - MEP (HVAC, Firefighting & Plumbing)

B.Sc Mechanical Engineering  
M.Sc Mechanical Engineering

**Contact:** +966-536434527

**Address:** Riyadh, Saudi Arabia

**Nationality:** Pakistani

**Email:** [arslan.faisal3311@gmail.com](mailto:arslan.faisal3311@gmail.com)

**Driving License:** Available

**Age:** 35

**Profession on IQAMA:** Mechanical Engineer

**Saudi Engineering Council Membership ID:** 949668

**Membership Type:** Engineer

## Profile Summary

Dynamic and results-driven **Mechanical Engineer (MEP)** with over **12 years of comprehensive experience** in the design, execution, supervision, and coordination of **HVAC, Plumbing, Firefighting, and Mechanical systems** across **high-rise buildings, residential compounds, STP (sewage treatment plant) and infrastructure projects** in Saudi Arabia. Proven ability to lead multi-disciplinary teams, manage contractors and consultants, and ensure project completion within time, cost, and quality standards. Adept at interpreting design drawings, resolving site challenges, and ensuring compliance with **ASHRAE, SMACNA, NFPA, and Saudi Building Codes**. Recognized for strong problem-solving skills, attention to detail, and commitment to delivering efficient and sustainable MEP solutions.

## Work Experience

### Coastal Contracting Company

Subsidiary of **RED SEA GLOBAL**

Since December 2024 to date

#### Project: Shura Island

- ❖ Villas
- ❖ Golf Course
- ❖ Landscape (irrigation works)

**Designation:** Sr. Engineer Mechanical - MEP

**Project Cost:** 1.6 Billion Riyal

**Client:** Red Sea Global

#### Responsibilities:

- Manage, supervise, and coordinate all MEP activities (HVAC, Plumbing, Firefighting, Drainage) from design to commissioning.
- Review MEP drawings, specifications, and material submittals to ensure compliance with project standards and authority regulations.
- Monitor project progress and ensure adherence to project schedules, technical standards, and safety requirements.
- Conduct site inspections to ensure proper installation, testing, and commissioning of MEP systems.
- Collaborate with architects, structural engineers, and other disciplines to resolve design and site coordination issues.
- Prepare technical reports, BOQs, and cost estimates for mechanical systems.



Shura Island

- Ensure compliance with international standards (ASHRAE, SMACNA, NFPA, IPC) and local authority regulations (SCE, SEC, Civil Defense, etc.)
- Manage subcontractors and vendors for timely procurement and installation of MEP materials and equipment.
- Provide value engineering solutions to optimize cost, efficiency, and sustainability of building services.

## Previous Work Experience

**Webuild S.P.A.** (contractor)

Since June 2024 to December 2024



**Project: Neom, Trojena Lake & Dam**

**Designation:** MEP Engineer – Mechanical

**Project Cost:** 4.7 Billion Dollar

**Client:** Neom

**PMC:** Bechtel

**Consultants:** Surbana Jurong ; Studio Pietrangeli ; Pini

**Project Details:**



- The Trojena Project is located in the Neom area in the north of Kingdom of Saudi Arabia. Trojena is part of NEOM's regional plan, located 50km from the Gulf of Aqaba coast. Elevations range from 1,500m to 2,600m and cover an area of nearly 60 square kilometres.
- The project consists of a main RCC dam 145 meters high and 475 meters long at its crest. A second, kidney-shaped RCC dam of 38 meters shall be created within the Lake to create an island below the water level. The landscaping and other attractions within this second dam are known as the Enchanted Forest. The third rockfill dam will have a height of 65 meters and measure 490 meters long at its crest.
- Around 8.2 km Tunnel passing around the Dam edges consist of MEP works.

**Responsibilities:**

- Design and build of dam to ensure electro-mechanical components like water barrier, spillway, gates, cranes, and trash racks are validate.
- Undertake design and tendering of mechanical/piping works related to water supply, wastewater, storm-water, potable water and irrigation pump stations.
- Prepare and review reports and design documentation for mechanical/piping works related to water supply, wastewater, storm-water, and irrigation pump stations according to standards and regulations (electric control panels, pumps, pipelines, suction and discharge pipes, flow, level & pressure control equipment, pressure vessel, valves, reservoirs, gauges).
- Manage Consultants, undertake technical reviews, and progress reporting and liaising with developers, internal and external members.

- Treatment of RFI (request for information) by subcontractor and contractor and provide technical advices and responses in the best delay.

Participate with civil engineering department and other departments in design and construction of water supply projects.

**China State Construction Central KSA LLC** (contractor)

Since May 2020 to June 2024

**Project: Taif Al Haweyah, Saudi Arabia**



**Infrastructure & Buildings**



**Designation:** Sr. Mechanical Engineer – MEP

**Project Cost:** 460 Million Riyal

**Project Details:** Number of apartment's 1188 which consist of Firefighting system, Drainage network and Water supply network.

**Cooling Capacity:** 4500 Tons

**Responsibilities:**

- Responsible for review, approve and implement all engineering documents, reports, standards and drawings.
- Preparation of "Method of Statement" related to specific works and get approval to initiate the works at project site.
- Preparation of "Inspection Test Plan" (ITP) and "Inspection Check List" (ICL) as per work requirements.
- Material Inspection Report (MIR) as per approved material/submittal.
- Follow up for NCRs and to close them as per the requirement.
- Preparation of "Submittal documents" related to specific material with all supporting documents.
- Manage and direct the MEP consultants to develop engineering documents.
- Arrange and scheduling weekly technical and managerial meetings with consultants to take detailed ordering briefs and clarify specific requirements of the project.
- Manage and lead a MEP team in different disciplines to assess technical requirements and execute technical approaches (studies, reports, reviews, designs, drawings, etc.) as per project site requirement.
- Manage different meetings with contractors and investors to guaranty and maintain the projects on-time delivery.

Generating Project specific quality assurance plan for MEP work, shop floor drawings, MEP coordination drawings, MEP builder works drawings, IBMS containment layouts, resource planning, budget management, materials submittals and work programs.

**Al Imam Enterprises Pvt Ltd (PMC)**

From Nov 2012 to March 2020

**Project: Penta Square (DHA Lahore)**

**Designation:** Assistant Resident Engineer (ARE) - MEP

**Project Cost:** 14.5 Billion PKR

**Area:** 83 kanal

**Duration:** July 2020 to March 2021

**Project Details:** Project consist of 6 buildings which is connected with external energy center. Keys features of projects are apartment towers (567 apartment's) swimming pools and one shopping mall (food court, Shops for tenants, Super market, Kids play area, and Car parking for 470 cars).

**Cooling Capacity:** 3000 Tons

**Electrical Load:** 9 MW



**Tower**

**Project: Gold Crest Mall & Residency**

**Designation:** Sr. Mechanical Engineer - MEP

**Project Cost:** 5 Billion PKR

**Area:** 1,356,389 Sq.Ft

**Duration:** Feb 2018 to June 2020

**Project Details:** Building consist of 18 floors. Which Includes 278 apartment's (2bed, 3 bed and studio), Food court, Play area, Shops, Super market, and car Parking for 300 cars. Firefighting system to handle Emergency fire, chiller plant room for building cooling, Water supply and drainage network.

**Cooling Capacity:** 2850 Tons

**Electrical Load:** 4.5 MW



**Responsibilities:**

- Assist the Resident Engineer in the Project Activities from the beginning stage till the close out.
- Scrutinize, review of tender drawings/documents for discrepancies, additional BOQ items/scope and incorporating within the tender offer; liaise with contractor regarding ambiguities contract work scope and seek clarifications there to.
- Quantity Take-off for all Mech. Services (Using Manually, AutoCAD & Planswift9.0) in Tender & Job in hand projects and compiling the tender BOQ with description.
- Maintain Vendors data base, Floating Enquiries to subcontractors and suppliers.
- Analyse and compare quotations received at bid stage and clarifying exclusions/ qualifications within.
- Analysis of Clients variation work and preparing variation claims.
- Assisting & Preparation of necessary documents (Approved Drawings and Quotations, etc.) to cross with variation cost BOQ.

- Planning and ensuring mechanical installation as per approved drawings and material specifications.
- Supervising day to day site operations.
- Detailed study for scope of work, Specification, Equipment Schedule and BOQ (Tender) etc.
- Detailed design work of MEP systems.
- Review and approve material and equipment for MEP systems prior to installation.
- Daily over view and plan manpower for execution of the project.
- Preparation of IFC Drawing and Material submittal for contractor.
- Shop drawing review and as built drawing approval for contractor.
- Preparation of Daily & Weekly program based on one month look ahead program.
- Supervision and installation of HVAC, Plumbing & Firefighting items as per drawing standard.
- Floating Request for Inspection (RFI) of installations by Contractor and rectifying if any snag works / comments.
- Floating request to consultant for material inspection as per submittals and specification.
- Coordination with all other services like Architectural & Electrical, etc towards successful completion of project.
- Attending the weekly site meeting with Contractor.
- Track record of targeting zero safety violation of team members, in terms of JSA and other works carried out at site.
- Testing & commissioning of mechanical system like HVAC, Fire Fighting and Plumbing

## Academic Details

**M.Sc. in Mechanical Engineering** (2017-21)

University of Management and Technology, Lahore



**BE in Mechanical Engineering** (2008-12)

The University of Lahore, Lahore



## IT Skills

- AutoCAD
- HAP (Hourly Analysis Programme)
- Revit
- Ansys
- McQuay Duct Sizer
- McQuay Pipe Sizer
- MS Office