




Eng Asif Ali
(Mechanical Engineer Saudi Aramco
Approved)

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 RIYADH SA.

SKILLS

- ✦ Navis works & Auto CAD.
- ✦ Computer Language: Visual Basic. ERP system
- ✦ MS – Office: MS-Word, MS-Excel, MS-Access, MS-PowerPoint.
- ✦ Operating System : MS-,MS-Windows 98, 2000, XP, Vista & Windows 7
- ✦ ASHRAE Duct Fitting. Database.
- ✦ ESP Calculation.
- ✦ Estimation and Quantity takeoff.
- ✦ Tendering.
- ✦ Installation of MEP Services.
- ✦ Maintenance of HVAC System.
- ✦ Able to Listen
- ✦ Accept Feedback
- ✦ Adaptable
- ✦ Attentive
- ✦ Business Trend Awareness
- ✦ Collaborating
- ✦ Communication

PERSONAL DETAILS

Name :ASIF ALI
Marital Status : Married
Nationality :Pakistani
Mobile :+966590036819
E-Mail:a.alijatoi@outlook.com
Driving License:Valid
IQAMA Status :Transferable

LANGUAGES

ENGLISH (Expert)
ARABIC (Expert)
Urdu (Expert)

PROFESSIONAL TITLE AND CAREER OBJECTIVES

To enhance my knowledge, skills, abilities, and experience so as to establish myself as a Technical Engineer, construction professional in the field of Mechanical Engineering through hard work, perseverance constant learning, and teamwork along with the growth of my company

EDUCATION

Bachelor's in mechanical engineering from Mehran university engineering Technology Jamshoro Pakistan.from 2008 to 2012.

DAE Associates Engineer In Mechanical Engineering (3 Years Program) from Sindh Technical board Karachi Pakistan. 2005 to 2008.

TRAINING & MANUFACTURE VISITING.

- ❖ 1) Aosh Confined Space (Training)
- ❖ 2) HDPE Pipes(Butt-welding training)(Al wassail Industrial company)
- ❖ 3) Ductile Iron pipes & flanges welding & produce (Amiantit)

ACQUIRED STANDARDS KNOWLEDGE.

API, ASTM, ANSI ASME, ASHRAE, SMACNA, and UPC, IPC & **Saudi ARAMCO & International Standard**. Piping (DUCTILE IRON, CAST IRON BLACK STEEL, CARBON STEEL, STAINLESS STEEL, HDPE FRP GRP PIPES & MANHOLES, AND MECHANICAL CODES PIPINGS MATERIALS WELDING, FABRICATION.

EMPLOYMENT

1. Senior Mechanical Engineer (Tender & Technical submittal, Shop drawings & Design) (Sep-2022-Present)

AL Bawani Group CO LTD (Riyadh KSA)

AL Bawani is Saudi based network of affiliated companies engaged in the fields of Construction Contracting, Information Technology and Communication Systems, Trading, Media & Publishing, Elector-Mechanical, Steel & Metal Fabrication, in sectors of Industrial, Healthcare, Education, Residential, Utilities, Infrastructure and Defense Projects.

Senior Mechanical Engineer(Sep-2022-Present).

- ❖ Coordination with client and consultant for approvals of calculations, Shop Drawings and Material submittal.
- ❖ Material Quantity take-off, Preparation of Bill Of Quantity for getting material Prices and carrying out breakdown analysis for direct/indirect cost including Labor, Materials, and Overheads.
- ❖ Knowledge of typical industry code and standards such as API, ASHRAE SBC, ANSI, ASTM, NFPA, IPC, BS etc.
- ❖ Visit to the sites to assist Site Engineer for technical issues.
- ❖ Planning, Execution, Testing & Commissioning of HVAC Systems such as Chillers, Pumps, Cooling Tower, Heat Exchanger AHU, FCU, Package units, ECU, CCU/CRAC, VAV, VRF and Fans.
- ❖ Design and calculation verification of HVAC systems.
- ❖ Design of Ventilation Systems such as Car Park ventilation, Toilet Extract, Kitchen Extract, Fresh Air, and Staircase ventilation, Transformer Room and Warehouses.
- ❖ Hydraulic Calculation and calculation verification of Pumps (Chilled water, Fire Fighting, Booster, Transfer, Submersible and Hot Water Re circulation

- ❖ Execution, Testing & Commissioning of Domestic Water System, Drainage System, Fire Protection system (Sprinkler System, NOVEC & Foam System, Pte-action system) including Piping, Valves, and Equipment's.
- ❖ Building Heat Load Calculation by Hourly Analysis Program (HAP) Software.
- ❖ Duct pressure drop calculation by ASHRAE Duct fittings database.
- ❖ Design and Execution of Ducting as per SMACNA/ASHRAE and DW144 standards.
- ❖ Design and calculation verification of Public Health System for Buildings Based on International Plumbing Code IPC,BS,UPC and Saudi Building Code.
- ❖ Design and calculation verification of Firefighting Systems Based on NFPA Standards. Pump).

2. Lead Mechanical Engineer—Contractor Al Bawani- Client Saudi Aramco (Project Saudi Aramco Innovation Center DHAHR).

(Feb-2020-Sep-2022).

Technical Job and Responsibilities.

Mechanical Technical Engineer office Work.(Feb-2020-Sep-2022)

- ❖ All the technical and design issues related to the mechanical works handled with CLIENTS, Designer & Manufacture /supplier, SUB Contractor.
- ❖ Preparing MRP (Material requisition package)
- ❖ Preparing TRV(Technical review & verification package)
- ❖ Preparing NMR 601,602 & 603. (Non material Requirements)
- ❖ Coordination with designer & manufacturer for equipment approvals (AHU, FCU, CHILLERS, sumps pumps, booster pumps, hydroponic pumps, air compressor, elevators, water softener, dust collector, chemical water treatment & traveling crane. etc.
- ❖ Preparing material submitter & checking material compliance with standards & Project specifications.
- ❖ Preparation of shop drawings, red line drawings, and as-built drawings.
- ❖ Preparation of method statements related to the site's major activities.
- ❖ Reviewed and approved engineering calculation packages and technical documentation.
- ❖ Engineered cost-saving design optimizations for sub sea intervention standard products.
- ❖ Lead all aspects of design, testing, release, and manufacturing of new products from con Managed interface between Mechanical Engineering, Manufacturing, Sourcing and Quality Engineering cept stage to shipment
- ❖ Responsible for reviewing shop drawings, material submitting, and method statements in compliance to project specifications ensuring the smooth running of the project.
- ❖ Superior knowledge of mechanical codes, fire protection codes and plumbing Processes.
- ❖ Reviewed project specifications and coordinate with supplier & manufacturer.
- ❖ Preparation compliance sheet.
- ❖ Preparation of Testing & commissioning packages.

3. Mechanical Engineer Contractor Al Bawani- Client Saudi Aramco (Project National Guard Family Compound) (NGFC

Thuwal).

Technical Job Responsibilities.

Mechanical Technical Engineer office and Site Work.

- ❖ Preparing material submittal and technical quires and securing the approvals from Saudi Aramco.
- ❖ Preparing show drawing, red line drawings & As-built drawings.
- ❖ Planning and Execution of HVAC Systems such as Chillers, Pumps, Cooling Tower, Heat Exchanger
- ❖ AHU, FCU, Package units, ECU, CCU/CRAC, VAV, VRF and Fans, including Piping and Valves.
- ❖ Execution of Domestic Water System, Drainage System, Fire Protection system (Wet System, NOVEC &
- ❖ Foam System, Pte-action system) including Piping and valves.
- ❖ To carry out the project execution work as per approved drawings, ensuring Quality standards and safety requirements, Inspection of the materials delivered at site as per approved submittal.
- ❖ Site Supervision and site inspections of mechanical installations.
- ❖ Attending meetings with consultants and contractors for progress of site works.

Mechanical Construction (Pumping station)

- ❖ Deeply knowledgeable of site work installation Mechanical equipment. & all types Steel pipes (Ductile Iron & Black steel)
- ❖ All types connections, like welding, flange, groove & threaded.
- ❖ Deeply Knowledge installation of (dry running sensors, pressure sensor, flow sensor, level sensor, level indicator).
- ❖ Installation of puddle flanges and the flange adapters.
- ❖ Technical & installation knowledge for Booster pumps, submersible
- ❖ All types pumps, like Booster, Hydroponic & pump, Jockey pumps.
- ❖ Installation of the anti-vortex plate.
- ❖ Installation of pressure vassal tank & ductile iron pipes & fittings.
- ❖ Deeply knowledge of Testing & commissioning for ductile iron domestic 17.& irrigate network.
- ❖ Installation of pressure vassal tank & ductile iron pipes & fittings.
- ❖ Technical & installation knowledge for Booster pumps, submersible.
- ❖ Preparation of Testing & commissioning packages.

Heating Ventilation and air conditioning (HVAC)

- ❖ High Expertise in site work & office work (HVAC)
- ❖ Good knowledge in site work, installation handling the site team.
- ❖ Good knowledge of All HVAC equipment like AHU, FCU, MINI SPLIT UNIT EXHAUST FANS
- ❖ Buffer thermal tank, heat exchange, Fan Coil Unit, AHU, GRP Tanks..
- ❖ Ensure that implementation of field inspection for installation, testing, and commissioning done by the Subcontractor is in accordance with the SMACNA, ASHRAE, latest approved Drawings, Method Statements, & Contract project Specifications.
- ❖ To handle the complete Mechanical installation testing, commissioning (HVAC, and Other mechanical activities)

Plumbing.

- ❖ High expertise in all types plumbing equipment and piping

material and accessories.

- ❖ High expertise in underground utilities.
- ❖ Good knowledge in the installation of CPVC, PPR, copper pipes for (water supply)
- ❖ Good knowledge of water supply network inside building as per standard.
- ❖ Good knowledge of installation of PVC for drainage vent network (inside the building)
- ❖ Strong experience in sanitary works building services and plumbing
- ❖ Excellent abilities in using pumping, storm drainage, and vent systems
- ❖ Outstanding ability to handle multiple projects simultaneously
- ❖ Exceptional skills in working in a high-pressure environment
- ❖ Sound oral and written communication skills
- ❖ Review of as-built drawings and getting approved.

(Oct-2014-Jan-2016).

**4. Mechanical Site Engineer Contractor: Samsung C & T/
CCE.JV CLIENT: Tadawul Real Estate LLC (TREC)
Job Responsibilities.(Oct-2014-Mar-2016).**

- ❖ I was responsible for planning the work and efficiently organizing the site facilities in order to meet agreed deadlines.
- ❖ Planning, Execution, Testing & Commissioning of HVAC Systems such as Chillers, Pumps, Cooling Tower, Heat Ex-changer AHU, FCU, Package units, ECU, CCU/CRAC, VAV, VRF Fans and including Piping works.
- ❖ Supervision and Execution work of Domestic Water System, Drainage System, Fire Protection systems (Wet System, NOVEC & Foam System, Pte-action system) including Piping and valves.
- ❖ Coordination of multi discipline works such as (HVAC, Electrical, Firefighting, plumbing & Drainage etc.) at the site.
- ❖ I have supervised the following services.
 - a) HVAC
 - b) Plumbing & Drainage.
 - c) Fire Fighting.
 - d) BMS.

(June-2013-Oct-2014).

**5. Mechanical Site Engineer Contractor :(BESIX, a Belgian
CO. Joint venture of Al-Muhaidib Group of Contracting
Companies.**

**PROJECT KING ABDULLAH SPORTS CITY (Stadium
Project) Jeddah. Client Saudi Aramco.(June-2013-Oct-2014).**

Job Responsibilities.

Plumbing.

- ❖ High Expertise in Underground utilities.
- ❖ High expertise in all types of plumbing and piping material
- ❖ Good knowledge in the installation of CPVC, PPR, copper pipes for (water supply)
- ❖ Good knowledge of water supply network inside building as per standard.
- ❖ Good knowledge of installation of PVC for drainage vent network (inside the building)
- ❖ Strong experience in sanitary works building services and

plumbing

- ❖ Excellent abilities in using pumping, storm drainage, and vent systems
- ❖ Outstanding ability to handle multiple projects simultaneously
- ❖ Exceptional skills in working in a high-pressure environment
- ❖ Sound oral and written communication skills
- ❖ Review of as-built drawings and getting approved.
- ❖ Material follows up.
- ❖ Coordinate with construction, testing group, and QC department in the preparation of test
- ❖ High Expertise in all plumbing systems all piping work
- ❖ High expertise in plumbing fixtures & sentry fixtures.

Firefighting piping, sprinkler, and zone control valves.

- ❖ Installation of the galvanized pipe for main and branches Grooved and screwed joint.
- ❖ Installation of the sprinklers and required accessories.
- ❖ Installation of the zone control valves, check valves.
- ❖ Installation of all types of gate valves.

Heating Ventilation and air conditioning (HVAC)

- ❖ High Expertise in site work & office work (HVAC)
- ❖ Good knowledge in site work installation handling the site team
- ❖ Good knowledge of Installation of ducting work
- ❖ High expertise in the installation of Chiller water line
- ❖ Good knowledge in installation of AHU, FCU, MINI SPLIT UNIT EXHAUST FANS
- ❖ Responsibilities include monitoring according to the Inspection and test plan for the entire Equipment erection and installation at the Air Cooled Chiller, Fresh Air Handling unit, Buffer thermal tank, heat exchanger, Fan Coil Unit, AHU, GRP Tanks.
- ❖ Ensure that implementation of field inspection for installation, testing, and commissioning done by the Subcontractor is in accordance with the SMACNA, ASHRAE, latest approved Drawings, Method Statements, & Contract project Specifications.
- ❖ Review shop drawings to ensure that they are in accordance with the Contract drawings
- ❖ Preparation of installation method statements in coordination with the QA/QC representatives and checking the prepared documents.
- ❖ Duct design as per SMACNA and ASHRAE standards
- ❖ Ensuring the works are performed in accordance with the specifications/Method statement and Inspection and Test Plan Procedures checking/ monitoring of MEP (mainly HVAC & Plumbing) work at the site.
- ❖ Ensuring implementation of Quality Control Plan, Procedure and Inspection & Test Plan
- ❖ Check layout and installation of all HVAC equipment's including piping and duct works, hangers, and supports to

comply and control as per approved drawing and specification

- ❖ To ensure proper implementation of design at site.

Infrastructure piping (Mechanical Work)

- ❖ installation of HDPE pipes (Butt fusion & electrocuting) for domestic & irrigation systems including Hydro Test.
- ❖ Installation of gate valves, air relies on valves, & flange adapter.
- ❖ Installation of FRP pipes & GRP Manholes for sewer & storm network with Gravity Test.
- ❖ Review shop drawings to ensure that they are in accordance with the Contract drawings.
- ❖ Day-to-day supervision of the site, including supervising and monitoring the progress and manpower confirming the progress at the site is as per time schedule and preparing reports with respect to project schedules and resources.
- ❖ Good knowledge of all types of ductile iron fittings used for connections & tie-in points. (Infrastructure).

(Fe-2012-Apr-2013).

6.Mechanical Site Engineer: National Medical Center, Karachi Pakistan (FND) Fahim, Nanji & Desouza (PVT) Limited Consulting Engineers.(Fe-2012-Apr-2013).

Job Responsibilities.

- ❖ I was responsible for planning the work and efficiently organizing the site facilities in order to meet agreed deadlines.
- ❖ I was involved in the supervision of Execution and Testing & Commissioning works of this project. Works to include review of design and shop drawings, approval of technical submittal.
- ❖ Visit to the sites to assist Site Engineer for technical issues.
- ❖ Coordination of multi discipline works such as (HVAC, Electrical, Firefighting, plumbing & Drainage etc.) at the site. I have supervised the following services.

- a) HVAC**
- b) Plumbing & Drainage.**
- c) Fire Fighting.**
- d) BMS.**