

MUHAMMAD SHARIQ HUSSAIN

MECHANICAL / PIPING DESIGNER

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OBJECTIVES

To serve in a progressive EPC organization, where my design, drafting and project execution skills and experience can contribute to the growth of the organization, offers job satisfaction, challenging work environment and equal opportunities for career development based purely upon achievement and results.

PROFESSIONAL EXPERIENCE

Over 15 Years' extensive experience of Design, Drafting, Field engineering, Plant maintenance and retrofit projects of Mechanical, Pipeline, Piping, steel Structure and Storage tanks. Review of P&ID, prepare Pipeline Plan & profile, Plot plan, Equipment & Piping plan, sectional details, Isometric drawing, BOQ and MTO, Tie-in & Hook-up details. Majorly involved in mega EPC projects related to pipeline, process utilities piping systems, Oil & Gas, Power Generation, Fertilizer, Petrochemicals and Petroleum Refineries with prestigious consultant/EPC.

EMPLOYMENT HISTORY

June 2015 to till date – Sr. Piping Designer

DAR Consulting Engineers (Yanbu-KSA)

Working in DAR, Review of drawing packages on stage of 30%, 60% and 90%. Raising technical query of discrepancies during construction works as per site condition, suggest best possible solution, getting advice from design consultant and SAPMT, deal with the relevant technical issues occurred during execution of project.

- Work at site as required explanation of design and drawing to solve engineering problems during construction, conduct site visit & prepare redline drawing. Support to maintain & preparing drawing control log book & technical query (DCL & TQ) as per ARAMCO index.

PROJECTS:

- FEED Visibility Study for Mercury Trap, ARAMCO, HARADH, KSA
- Detail engineering design for PRV'S / ISOLATION VALVES, FARABI, Yanbu, KSA.
- FEED (Front End Engineering Design) for new pump station PS-56A and force-main to SWTP-9 MARAFIQ, Jubail, KSA
- Detail engineering design for Obeikan Coater Plant, AGC, Belgium, Obeikan, KSA
- As-built of P&ID and Control Scheme for complete CRISTAL plant, Yanbu, KSA.
- Detail engineering design for installation of Industrial Flow Meters, MARAFIQ, YANBU, KSA.
- Detail engineering design with specialized Engineering services for HIEI Workshops Equipment, R.C Yanbu, KSA.
- Detail engineering design for fuel pipeline for MARAFIQ, R.C Yanbu, KSA.
- Detail engineering design / modifications of nitrogen line to OBEIKAN GAS-SABIC, R.C Yanbu, KSA.
- Detail engineering design for Relocation / Re-routing Sea Water Return Pipeline to Marafiq Permanent stop-out inside SAFRA, Yanbu, KSA.
- Detail engineering design for SIH 20 – 1, SIH 30 – 1, SIH 64 – 1 & SIH 72 – 2 and Unit 60 Control Building for New HVAC Units-Civil & Structural Engineering, YANPET-SABIC, Yanbu, KSA.
- Detail engineering design for Low temperature piping modification and metallurgy upgrade at Ethylene Unit YANPET-SABIC, Yanbu, KSA.
- Detail engineering design for New BFW (Boiler Feed Water) Pump, YANSAB-SABIC, Yanbu, KSA.
- Detail engineering design for Installation of duplex filter upstream oily Wastewater (TK-7707&TK-7705), YANSAB-SABIC, Yanbu, KSA.
- Detail engineering design for Additional N2 GAS Heater for PTV, YANPET-SABIC, Yanbu, KSA.
- Detail engineering design for Piping Work & Pump Relocation for Feed Wax Belt, YANSAB-SABIC, Yanbu, KSA.
- Detail engineering design for Caustic Wash Water Circulation Pump, YANSAB-SABIC, Yanbu, KSA.
- Detail engineering design for New line for HP BFW to De-Super Heater, YANSAB-SABIC, Yanbu, KSA.
- Detail engineering design for YANSAB LP Steam Integration, YANSAB-SABIC, Yanbu, KSA.
- Detail engineering design for Replacement of the Potable Water Line, SABIC, Yanbu, KSA.

- Detail engineering services for Chemical Injection skid installation at Jeddah Terminal / Jubail bulk Plant for, ARAMCO.

Successfully completed several projects related to Oil & Gas, petrochemical, Power Sectors Specially for **ARAMCO, SABIC, MARAFIQ, MAADEN, TASNEE, R.C. (Royal Commission) & etc.**

Oct. 2013 to Sr. Piping Designer

May 2015

KBR-AMCDE (Al-Khobar-KSA)

Worked in KBR, my activities were including, develop plot plan, conceptual layout, isometric sketch from plot plan, MTO, vendor drawings review, Scrapper traps, jump over, pipe lines. All job performed as per Saudi Aramco Standard & Industrial Codes & Standards.

Develop & Revise Piping Plan, Piping Isometrics (vector & Raster) using Micro station & Auto Sacs (Aramco Standard), Piping Material Specifications, material take-off. Pipe support, inter-discipline coordination, clash checking. Quick response to the engineer for design reviews, comments and queries.

PROJECTS:

- Close Drain System (CDS), Abqaiq Plant (Aramco) - Detailed Design
- As Built project of Qatif LPG & Diesel Bulk Plant. (Aramco Gas Field) - Detailed Design
- Upgrade Export Product Chilling Facilities Ju'aumah NGL Fractionation Plant (Knockout Drum)

Nov. 2007 to Sr. Piping Draftsman

Oct. 2013 TSML Engineering (An affiliate of Al-Tuwairqi Holding. (Saudi Arabia)

PROJECTS:

- DRI: Small bore piping project (50mm or less dia.) worked from start to as built stage.
- Pipe routing all utilities of 24MW Power House.
- Pipe routing of Fire Fighting network including pump house detail drawings, throughout DRI plant.
- Involve in designing of Material handling system of DRI base on 1.6ton p/hr.
- Engro foods (EFSL) (Sheikhupura Muridkee road Lahore Pakistan): Development of P&ID, equipment layout, piping plot plan, sectional details, Isometric & B.O.Q, M.O.T. supports detailing of all utilities systems including (HP & LP steam at 500C°).
- **British Petroleum (Bp):** Fire & drain system study of B.P Naimaat, Kausar & Umar (Sindh) Gas field. Detailing of proposed modifications. (Amine system, Glycol dehydration system, LPG & condensate system, fire & drain network).
- **British Petroleum (Bp):** Complete as built drawing of Kausar & Namiat (Sindh) Gas field & P&ID verification.

FOREIGN DEPUTATIONS:

- Worked in Kingdom of Saudi Arabia on a project deputation for Arab Steel Project (ASCO).
- Arab Steel Corporation (ASCO at KAS): Design & detailing of complete Utilities & firefighting system piping

Apr. 2006 to Sr. Piping Draftsman

Nov. 2007

DESCON Engineering Qatar LLC.

- Coordinate with project engineer with respect to preparing of drawing and material management.
- Rigging Studies, Site Office & Camp Facility Layout (Shell GTL, Qatar)
- Develop of Plot Plan, Equipment Layouts, Equipment Drawings and Piping System (Isometrics & Layouts).
- Worked at site as required explanation of design and drawing to solve engineering problems during construction, conduct 2 - 2 site visit & prepare redline drawing.

Apr. 2002 to CAD Draftsman

Mar. 2006

Siemens Engineering Pakistan

- Development of P&IDs, Plot Plan, Equipment Layouts, Piping System (Isometrics & Layouts).
- Site Surveying As-Built to take Dimensions for Pipe Routing and Designing.
- Prepare documents for implementation of ISO 9001-2000 base QMS for maintenance department.
- Worked at site as required explanation of design and drawing to solve engineering problems during construction, conduct 2 - 2 site visit & prepare redline drawing.

- Proposed Piping Layout, Section Details and Isometrics of Edible Oil Storage Facility
- Preparation of Fabrication drawings of Storage Tanks.

KEY STRENGTHS

- ✓ Ability to meet tight deadlines and work under pressures.
- ✓ Ability to work effectively and efficiently in a team environment.
- ✓ An Energetic, Skillful, Hardworking & Self-motivated person. Can work with minimum or no supervision.
- ✓ Supervision experience and team-leader skills, Positive attitude towards new challenges and experiences.
- ✓ Coordinate work activities with other staff members and the discipline lead. Identify problems & suggesting solutions and Focus on continuous improvement process.
- ✓ Perform site survey/measurement tasks, data collection, line checking and P&ID's verification for existing equipment and piping. Provision of guidance to solve engineering queries and issues at site and fabrication shop during execution.

CORE QUALIFICATION

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| ✓ Highly organized and Priority-focused | ✓ Excellent verbal and written communication |
| ✓ Detail oriented | ✓ Multi-tasking |
| ✓ Coordination Works | ✓ Team Building |

SOFTWARE SKILLS

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|-----------------------|---------------------|
| ✓ AutoCAD proficiency | ✓ Micro Station V8i |
| ✓ Revit | ✓ Navisworks |
| ✓ CADWorx Plant | ✓ Microsoft Office |
| ✓ PipeData-PRO 8.0 | |

ACHIEVEMENTS

- ❖ Participated in implementation of ISO 9001-2008 and Quality Management System (QMS) certification for TSML ENGINEERING.

EDUCATION AND PROFESSIONAL TRAINING

- ❖ 3 Years Diploma of Associate Engineer (Mechanical Technology) in 1st div
- ❖ Member in Saudi Council of Engineers

PERSONAL DETAILS

Visa Status : Valid & Transferable Iqama

Nationality : Pakistani

Marital Status : Married