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|  **MUHAMMAD ZUBAIR SHAFIQUE****Mobile : +971563658608****E-mail : zubairshafique76@gmail.com** | **C:\Users\Rifas\Desktop\picture.jpg** |
| **Construction Manager**A successful and Qualified Mechanical Construction Manager with over **25 years** extensive experience within the Petroleum/GAS, and operation & maintenance Industry that has included Project Managing multimillion-dollar EPC & LSTK projects. Possessing thorough knowledge in all aspects of Construction and Maintenance assignments and Able to develop and lead multi-national teams in remote locations and complex operations.**Objective:** To be a part of a competitive team and to reach a leading position in a company where the growth is unlimited, and performance is recognized and appreciated | **Strengths*** B. Tech (Hons) Mechanical
* 25 years of total experience in UAE, Aramco Saudi Arabia and Pakistan
* Civil, structural, Pipeline, Piping,
* Painting, insulation, E&I, heavy equipment of Mechanical,
* MEP, HVAC, Plumbing, Boiler
* Pumps & Fire Safety and Security,
* Pre commissioning and Commissioning Works
* Project Management
* Quality Control
* Work Pack, Material Reconciliation, and As Built
* MS Office
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| **Academic Qualifications** |  |
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| * **B. Tech (Hons) Mechanical**
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|  **Professional Trainings** |  |
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| Confined spaces, Work Permits, H2S, Hazardous Atmosphere, Excavation, Rigging Equipment, STO, SBC, EPP, RCP, First Aid, Fire Extinguishers, Height Rescue and Safety for Supervisors.

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| **Career Details** |  |
| * **Construction Manager, Pro Bus Engineering Company Limited, Abu Dhabi**,

**February ,2019- to Febuary 2020*** **EPC** Improvement of Manual Fire Water Sprinkler System in Hydro skimmer & Hydro Cracker Units at RRE Takreer.
* Plant Modifications in Condensate and Gasoline units During Turnaround 2019, Takreer Refinery East at Ruwais.
* **Construction Manager, IMECO, Company Abu Dhabi.**

**October 2014 to January 2019.*** **EPC** Upgrading of Wash Water System in Condensate Units, 211 & 411Takreer Refinery East at Ruwais.
* **Site Manager EPC Project:** Installation of Pipeline for UCO from HCK to Residue Tanks

141-F-60 & 61 in oil Movement Area Takreer Refinery East at Ruwais.* **Construction Manager:** Borouge 1 Turnaround 2017, Ruwais. Abu Dhabi
* **Mechanical Engineer : LSTK,** Project Shed Gum Sulphur Gas Plant & Uthmyinah Gas Plant Aramco Kingdom of Saudi Arabia.

* **PMP No. OL/831 EU1.** Alternative external seal flush fluid to process water pump.

 Mechanical & E & I.* **PMP No. OL/866 EU1.**QT Chimney sumps drain rerouting to VV313.

Mechanical.* **PMP No. PO-609** PE1& PE 2 Pellet water Tank overflow Recovery.

 Civil, Mechanical, E & I.* **PMP No. PO- 674,** PE1& PE 2. Study & investigate 21-NS-301/21-NS-406/22-406/22-NS-310, Mechanical.
* **PMP No. PO-679,** PE1& PE 2. Hydraulic oil system changes for cutter shaft lock /unlock, Mechanical.
* **PMP No. PO-680,** PE1& PE 2. Modify piston design for PREPOLY & Loop pump piston pot, Mechanical.
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| * **PMP-642,** Replacement of cross over piping pigtails for cracking Furnaces Ethylene unit Borouge 1.
* **Senior Engineer, Engineering Kinematics Company, Abu Dhabi** Oct 2012-Sept 2014.

**Project:** Underground Pipeline Sulphur Handling Terminal Unit-2 Gasco Ruwais Abu Dhabi.**Senior Engineer, Engineering Kinematics Company Abu Dhabi**, **Project:** Refinery Expansion Project (**RR2**) Takreer (812,000 BPD) Ruwais.* **Senior Engineer, Engineering Kinematics Company Abu Dhabi,**

**Project:** Abu-Dhabi Vegetable Oil Company Upgrading MZP Abu Dhabi.* **Construction Piping Engineer, DESCON Engineering Pakistan,** Feb’12–Sept 2012.

**Project:** Byco Oil Limited Hub Karachi, Pakistan.* **Mechanical Engineer, IMAD Contracting Company K.S.A,** October 2010–Feb 2012.

**Project:** **LSTK**, Pipeline Shed Gum Sulphur Gas Plant & Uthmyinah Gas Plant Aramco, K.S.A * **HVAC Engineer, S.T. Associate. Islamabad Pakistan,** January’ 2002 – Sept 2010.

A/C plant and Allied Equipment Including Operation Maintenance of Chiller, Boiler, AHU’ Pumps’ Cooling, Fire& Fighting piping, Plumbing* **Construction Piping Engineer, DESCON Engineering Pakistan**, Sep.1999- Dec 2001.

**Project:** Parco Oil Refinery Multan Pakistan.* **Trainee Mechanical Engineer, DESCON Engineering Pakistan**, May1995–Aug 1999.

**Project:** Jordan Fertilizer Karachi Pakistan. |
| **Areas of Expertise** |  |
| * Project Management.
* Site Management.
* Mechanical, Piping, Pipeline, HVAC & Plumbing, Civil, E&I, Boiler
* Hydro Testing, Pre commissioning and Commissioning.
* Quality Control Management.
* Material Reconciliation.
* Total Quality Management.
* Cross-Functional Team Leadership.
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| **Work Profile** |  |
| **Project Manager Takreer Refinery East Ruwais.*** Execute Plant Layout and Piping discipline engineering activities within budget and schedule, whilst maintaining technical integrity
* Execute piping engineering activities (Concept, Front End Engineering Development, Technical Study & Detailed Design)
* Act as discipline focal point as required
* Be responsible for assessing effectiveness of working practices and systems with a view to continuously improving systems, personal and team performance
* Carry out work in accordance with Wood and project Health, Safety, Environment and Quality Systems
* Maintain the required technical quality of work
* Identify scope and schedule changes in accordance with the Change Control Process
* Ensure that designs comply with the relevant Codes, Standards, Regulations and Procedures
* Provide technical assistance to discipline assigned personnel as required
* Keep up to date with technical developments, National and International Standards and legislative requirements related to the discipline scope
* Review, prepare, check and/or approve work output of discipline assigned personnel
* Commitment to and promotion of Wood values and ensuring the realisation of company and project health, safety, environmental, quality and ethics, systems, policies and procedures.
* EPC Project Installation of pipeline for UCO from HCK to residual tanks (141-F-60& 61) in oil Movement Ruwais Refinery (East).
* To oversee that all construction activity including fabrication of piping, materials, fitting of piping and structural comply with international standards.
* To Review and check the piping isometric, plant layout, GA Drawing, P&ID’s/PFD, Plant plot plan drawing, construction drawing and to ensure it is in accordance with company standard codes and practices, as per site requirement.
* Manage interdisciplinary design review with client and sub-contractor Personnel.
* Contribute in HAZOIP, HAZIDS, FAT, SAT, and TRA for the project at the site.
* Contribute in the Line list, Tie-in list I/O List, piping material specification, valve material specification and stress analysis.
* MTO for various disciplines to review as per providing all discipline drawings from Engineering Department.
* Review the hydro test package and Method statement before submitted to the client.
* Review the TQ before submitted the company approval.
* Review the Data sheet as per company specification.
* Perform analysis and diagnosis to provide solution to mechanical related problem.
* Ensure materials used are in accordance with specification.
* Ensure a high level of HSE performance by ensuring work standards, procedure and HSE programs are followed and given a high level of priority.
* At the workshop inspect the piping fabrication as per isometric; inspect equipment, structure or materials to identify any defect and report of the project Manager.
* Participates in the inspection of newly constructed, installed the equipment at the site before transport to site laydown.
* To oversee detailed project execution plan consisting of detailed time schedule, resource mobilization plan, procurement plan, organization chart.
* Weekly and monthly report to be checked before submitting to the client or company.
* To check the installation of 1.5 KM Pipeline of 8-inch size.
* Installation of flow control valve at unit side and necessary new hardware, software and licenses for connecting the newly added signals to DCS.
* Steam tracing tracer as per temperature decided and hot insulation work,
* Condensate Recovery.
* Instrument piping hook up to flow control valve.
* Installation of two (2) Nos. MOV for two residual tanks and necessary new hardware, software and licenses for connecting the newly added signals to DCS.
* Supports and Sleepers.
* Ability to establish and maintain effective working relationships with contractor and project personnel and sub-contractor.
* Contribute the 3D Modelling and ensure the facilities are in safe as per Standard.
* Hook up the mechanical system interaction with electrical, instrumentation and control system group, and preparation of algorithms for processing dry run and simulation checks of processing, evaluation of results.
* Participate in preparation of O&M documents.
* Participate in preparation pre commissioning and commissioning pipeline, heat exchanger, flow components and piping testing of equipment.
* Inspections of materials as per the specific requirement, inspection of pipelines, structural work, rotating equipment and review.
* Participate of functional check of the following flow components by using suitable test setup all like normal valve, Non-Return valve, MOV Valve, electro pneumatic valves, pressure transmitter, pressure gauge, temperature transmitter, TRS valve, filters, strainers, level indicator, non-isolation pressure switches etc.
* Manage the site activity and critical path for compliance to individual milestone and deliverable.
* Resolve and conflicts within the project execution plan, schedules or implementation and site operation.
* Proactively manage changes in project scope, identify potential crisis and devise contingency plan in consultation with site and execution teams.
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| **Construction Manager Borouge (1, 2 & 3) Ruwais.*** Fabrication, erection, inspection, testing of various piping systems related to refinery as per isometrics and GA drawings.Ensure the completion of shop fabrication on time as per given schedule work schedule
* Prepare Erection schedule in consultation with clients and review the quality of erection &   reviewing the piping work as per client procedure and project specification.
* Review Engineering package, piping design and drawing, piping layout, detailed inspection and construction work, perform all material take off (Mechanical, piping components, supports, insulation and coatings)
* Responsible in assuring all the pipeline systems in accordance to its specifications, correct routing of the pipe according to its isometric drawings & P&ID’s and all structural supports for all pipeline system packages.
* Checking the correct orientation of pipe spools, fittings and correct materials to be used as stated in the design data.
* Preparation of pipe spool drawings for shop fabrication and field erection works, indicating shop weld and field weld limits.
* Collaborate with team of designers to complete all mechanical capital projects and provide all engineering support.
* Preparation of As Built drawings as per site modification and approval for the same from Engineering.
* Provide support to all expense projects and maintain accuracy in all piping project and ensure compliance to all piping material specifications and maintain knowledge on all orders.
* Analyse all mechanical designs and prepare various concepts for piping designs and develop required mechanical drawings.
* Provide support to all purchase activities and evaluate all vendor submittals.
* Inspect all mechanical equipment’s and analyse all equipment’s and ensure adherence to all present technology
* Provide assistance to all senior engineers and recommend improvements to all design and travel to site to analyse all equipment and maintain efficient relation with all plant personnel.
* Provide appropriate solutions for all parties and evaluate and analyse all client requirements and design all piping specifications for clients and recommend appropriate alternatives.
* Interpret all codes and maintain overall performance of all piping activities.

 **Mechanical Engineer General Kingdom of Saudi Arabia.*** Topography to check the physical situation /features of an area like shape of the area
* Check the properties of soil to know the behaviour of earth.
* Pegging / marking corridor marking around the 5 meters.
* Centre line marking of the corridor and wright way of the corridor.
* Prepare Daily and weekly progress during Shutdown and Post-Shutdown activities.
* Coordination with execution for plant start-up. Responsible for shutdown maintenance as

 per schedule for plant equipment’s as per vendors, recommendation to prolong the life of equipment’s implementation of failure codes for the breakdown of stationary equipment’s identify the cause of problems and their solutions.* Maintenance of Heat Exchangers, Pressure Vessels, Columns, Valves, and Fin fan cooler Heaters and miscellaneous jobs.
* Responsible for Tube bundle pulling and send to hydro jetting yard, to perform hydro testing of shell and tube heat exchangers & fin-fan cooler.
* To execute mechanical activities of pressure vessels and columns.
* To prepare for internal jobs of vessels and columns like dismantling of demister pads trays rushing-rings and Paul-rings and also execute hot jobs of inside shell of column and vessels.
* Project commencement and preparation of project site.
* Coordination and liaison with all departments for input required.
* Manage external relationships with clients and consultants.
* Oversee and monitor execution of project activities while ensuring quality.
* Ensure proper maintenance and recording of all project documents.
* Project progress reporting, preparation and follow up on client / Consultant approval.
* Evaluate and analyse team performance and training needs.
* Oversee Inventory Management.
* Ensure compliance with Shop drawings and QA procedures.
* Ensure health and safety of works is complied with.
* Review, negotiate and approve construction documents.
* Conduct quality inspections & enforce safety and security requirements.
* Coordinate outages and activities & resolve field issues.
* Control cost and schedule growth & track and report status.
* Conduct participate pre-construction meetings.
* Follow up and monitor planning activities on sites and ensure implementation of work plan.
* Overview of preparation of manpower planning.
* Manage preparation of construction equipment planning.
* Manage tracking of jobs on sites for cost control.
* Checking the adherence with the project schedule.
* Managing emergency response plans.
* Site Supervision and Inspection of Field Engineering / Labour Supervision
* Supervising inspecting and reviewing the implemented works to ensure compliance with the project specification and general requirements.
* Reviewed daily progress and bar chart.
* Knowledge of international codes and specs applicable for piping
* Experience with HSE applications on the site
* Experience in working with engineering/consultancy, construction companies for large-scale international projects
* Ability to work in an international working environment, having an international sense of business
* Excellent planning and coordination of site works.

**Site In charge (HVAC & Plumbing)*** Responsible for installation and commissioning of HVAC System.
* Deal with other engineers to ensure the installation is done as per the drawings. Sound Knowledge in the installation of HVAC systems. (Chillers, Cooling Towers, Pump s FCU s, MAHU s, AHU s, CCU, VAV s, Package Units, ECU s, Fan s, VRF Systems, Air Washers)
* Sound Knowledge in the installation of Piping. (MS, GI, CI, PPR, HDP) Sound Knowledge for HVAC system Designing. (Like Cooling and Heating Load)
* Sound Knowledge for duct static pressure calculation.
* Knowledge for review and rectify the drawings.
* Sound knowledge for HVAC Equipment Selection.
* Sound knowledge of HVAC system maintenance, troubleshooting.

**Familiar with Code and Standard*** ASME B.31.1, ASME B.31.3, ASME B.31.4, ASME B.31.8, ASTM, ANSI, NACE, NFPA, API, AWS, OSHA
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| **IT Skills** |  |
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| * Microsoft applications
* MS Project
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| **Personal Details** |  |
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| Nationality | : | Pakistani |
| Date of Birth | :  | 09.07.1975 |
| Marital Status | : | Married |
| Visa Status | :  | Employment Visa |
| LanguagesPassport No Issue Date  | ::: | English, UrduBU518141210 March 2014 |
| Expire Date  | : | 08 March 2024 |

D.L. UAE : 2304302