

**Nasir Ali** Cell # +966-563267644

Place of stay: Riyadh, Saudi Arabia

Visa status: Permanent (company)

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**SHORT DESCRIPTION:**

#### I am a Process engineer with 11 years of experience in feasibility studies, conceptual design, FEED and detail design in Oil and Gas industry/Power sector. Consulting background with hands-on experience of:

* Process simulation
* Heat and mass balance (Thermal Design)
* Development of PFDs and P&IDs
* Sizing and rating of process equipment
* Preparation of equipment and instruments datasheets
* Development of Line lists
* Development of Cause & Effect Diagrams
* Process Hazard Analysis and studies (HAZOP)
* Review of vendor’s supplied Items and packages
* Plant and flow line hydraulics
* Preparation of studies and reports on different aspect of project.

**OBJECTIVE:**

To secure a promising position that offers both challenges and good opportunity for growth while emphasizing on a sole objective of achieving organizational goals.

**PROFESSIONAL EXPERIENCE:**

* **AL-SAGHYIR BOILERS & PRESSURE VESSELS CO., SAUDI ARABIA**

**Process Engineer** (November, 2012-till date)

**Responsibilities:**

* Planning Process engineering design deliverables and ensuring the overall execution of Process related engineering requirements. This entails overseeing the preparation of basic design , FEED and detailed process design deliverables such as Basis of Design, Process Simulations, PFD's/ P&ID's, Equipment/Instrument Data Sheets, Line lists, Cause & Effect matrix and Compilation of the Process Dossier.
* Planning and implementation of the Project to ensure that deliverables are issued on schedule, project milestone dates are met, and given tasks are completed within the allowed budget.
* Ensuring that the design is carried out as per the industry standard practices and in conformance with the quality management system.
* Ensuring the optimal utilization of other Discipline resources through good communication with project engineer, especially if the project is Process oriented.
* Providing weekly inputs for progress control to the Planning Division; monitor and control progress vis a vis man-hour expenditure within the Process Discipline;
* Providing site engineering support, as well as other inter-disciplinary support should the requirement arise.
* Coordination with client engineers on Process engineering issues.
* Assisting in the preparation of project proposals and tenders in what relates to Process Engineering design.
* Identification of issues that impede any PMC project progress and reporting to Project Managers.
* Conforming and contributing to the Discipline technical standards, knowledge database and Quality Procedures.
* Contributing towards, maintaining and implementing both company and client HSE Management System objectives and procedures.
* **CLOUGH ENGINEERING & INTEGRATED SOLUTIONS (SMEC OIL & GAS) PAKISTAN**

**Process Engineer** (Feb 2012 to Nov 2012)

**Responsibilities:**

* Define and clarify project scope, scope between vendors and packages in an efficient manner.
* Perform calculations to support the design output, in an efficient, effective, transparent manner, to time constraints.
* Develop and document the process systems design.
* Size, specify and define equipment and instrumentation requirements in a clear, reliable and unambiguous manner.
* Take responsibility for ensuring all other process requirements are correctly communicated to other discipline engineers, and to vendors, and that correct implementation is confirmed/verified.
* Apply process engineering skills and know-how in economic manner to the development and/or optimisation of facility designs.
* Identify and resolve design issues and problems in a timely manner.
* **DESCON ENGINEERING LIMITED LAHORE, PAKISTAN**

**Process Design Engineer** (From Sep 2007 to Feb 2012)

**Responsibilities:**

* To perform design calculations based on design codes, standards and engineering practices.
* To apply the principles of mass and heat transfer to process and equipment design, including conceptual, scheme and detail design.
* To develop process drawings (PFDs, P&IDs,) based on design standards, engineering practices and contractual requirements.
* Prepares detailed design specifications based on design calculations and contractual requirements.
* Responsible for technical evaluation of vendor items and ensures that they are in accordance with design specifications.
* To prepare equipments data sheets, performance test procedures, operating and maintenance manual.
* Ensures that queries in technical areas / information and their interpretation are clearly identified and dealt with promptly.
* Responsibility for risk assessment, including hazard and operability (HAZOP) studies, for the health and safety of both company staff and the wider community;
* To carry out the site visits to ensure the as-built status of the drawings.
* Ensures that changes in process design, which have impact on the overall design of the product, are being transmitted to relevant design sections for incorporation.

**INDUSTRIAL/OPERATIONAL EXPOSURE:**

* Participated in onsite training for the application, maintenance and installation of Al-Gas SDI Vaporizer and SNG (Synthetic natural gas) system.
* Worked as a Commissioning Engineer for different type boilers (waste heat recovery boilers, water tube boiler etc) in Pakistan.
* Remain involved in the annual shut down of Hydrogen and Hydrogen peroxide plant at DESCON oxychem Pakistan (10 Mar, 2011 to 20 Mar, 2011).
* Four weeks internship training as part of industrial training program in ENGRO fertilizer Pakistan at plant site (04 July, 2005 to 29 July, 2005)

**EDUCATION:**

* B.Sc Chemical Engineering (75.38 %)Honour 2003-2007

 (Specialized in Gas Engineering)

University of Engg. & Tech., Lahore

* F.Sc Pre Engineering (66.72 %) 2000-2002

 Government College, Sargodha

* Matric (72.70%) 1999-2000

**COMPUTER SKILLS & SOFTWARES:**

* Power plant simulator & Design (PPSD)
* Aspen plus
* Aspen Hysys (Basic)
* PRV2Sizing (safety/control valve sizing &selection software)
* MS Office (Word, Excel & PowerPoint)

**PERSONAL INFORMATION:**

* Nationality: Pakistan
* Passport No: QD1792773
* Date of Birth: 20-07-1984
* Marital Status: Married
* No. of dependants: 4

**REFERENCES:**

May be made available as and when desired