

Process Engineer



Department:

Operations

Immediate Supervisor:

Engineering Manager

Location:

Midland Office

Job Description:

The Process Engineer is responsible for basic and detailed design of the processes and chemistry included in each company prospective and contracted project in accordance with company established procedures. The Process Engineer will be involved in multiple projects simultaneously, with projects at different stages, at any given time. This individual must have a continuous improvement mindset, must be able to lead and execute detailed engineering, work well as a member of a team, give clear instruction to designers, meet client expectations, and deliver projects by given deadlines.

Position Duties/Responsibilities:

- Process Modeling in ProMax
- Works with other engineering and design staff in the development of Process Flow Diagrams and Piping and Instrument Diagrams (P&ID's) for each project
- Works with the Project Detail group to solicit quotations for components from potential suppliers as predetermined by other engineering, design, project management and this position
- Determine scope of work to properly evaluate and estimate project opportunities/bids
- Specifying, sizing, and providing process data for equipment such as pressure vessels, heat exchangers, process towers, aerial coolers, pumps, fired heaters, filters, compressors and storage tanks
- Development of process design basis, scope of work, plant control narratives and process descriptions
- Proficiency in navigating plant 3D modeling software to identify proper layout, routing, and arrangement of equipment, piping, and instrumentation for optimum plant operation, economics, and maintenance activities
- Basic Hydraulics/Line Sizing
- Relief Valve Sizing
- Flare and header sizing
- Reviewing Equipment Drawings
- Engineering Support for Construction

Qualifications:

- Bachelor of Science in Chemical Engineering
- Five (5)+ years related experience required.
- Ability and experience applying engineering and statistical analysis.
- Intermediate to Expert skills in Excel
- Experience with ProMax Simulation
- Valid driver's license

Work Authorization:

- HPF Consultants is not currently sponsoring employment visas for this position.

Physical Requirements:

- Prolonged periods of sitting at a desk and working on a computer.
- Must be able to sit, stoop, prolonged walking during field trips
- Must be able to lift-up to 15 pounds at time.

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