



Senior Process Engineer (Midstream)

The Senior Process Engineer should have significant experience in conceptual process engineering design of cryogenic gas plants and associated units in the midstream industry. The primary responsibility of this role will be to focus on the company's technologies and standard products relating to the processing of natural gas and natural gas liquids, from the slug catcher to methane, ethane, and stabilized liquid products.

Essential Duties & Responsibilities:

- Supports business development efforts for projects from a process perspective as required, including presentation of technical solutions.
- Applies the use of process simulation programs to model process solutions.
- Performs basic engineering calculations such as heat and mass balance, equipment sizing, piping hydraulics, control valve sizing, full relief system design, etc.
- Discerns the client's technical and/or commercial drivers, and responds with appropriate process & economic solutions.
- Develops process solutions for clients utilizing company products and technologies, where applicable and cost effective; including PFD and P&ID definition and development, process equipment sizing & selection, process performance evaluation and generation of written documentation as required.
- Supports detailed engineering execution by reviewing P&IDs and equipment quotations, participating in PHA, reviewing operating manuals and assisting in operations training.
- Utilizes advanced engineering principals and simulation models to analyze process challenges.
- Communicates internally with various groups including business development project management and operations; communicates externally with technical specialists and clients.
- Performs other duties assigned by the Manager of Process Engineering.

Knowledge, Skills & Abilities:

- Significant application knowledge & experience with process simulators (HYSYS, ProTreat), in addition to KG Tower for tower design.
- Quick study, open to innovative ideas - "thinking outside the box".
- Interest in developing new applications and technologies.
- Excellent interpersonal, communication (written & verbal) and team-building skills.
- Ability to effectively present information and respond to inquiries and information from managers, peers, clients, vendors, etc.
- Strong organizational skills, written and oral communication skills, self-starter, multitasking skill a must to meet multiple deadlines.
- Mechanical aptitude desirable.

- Strong understanding in the application of industry standards, codes and recommended practices to projects.
- Ability to write reports, business correspondence, manuals, and procedures.
- Ability to solve problems with a variety of variables and limited structure / guidance.
- Regular and predictable attendance, as well as the ability & willingness to work as required to satisfy project deadlines.
- Business, finance, or economics aptitude and/or background a plus.

Education & Experience Requirements:

- Minimum of a BS Degree in Chemical Engineering.
- Minimum of 10 years of related midstream industry experience in process design.
- Licensed Professional Engineering is desired.
- Significant process simulation training (HYSYS, ProTreat).
- Firm working knowledge of Microsoft Office products, with emphasis on MS Excel.
- This position will require travel on an "as needed" basis, 10-20% anticipated.
- May be required to complete safety training courses for plant entry.

This position description reflects management's assignment of essential functions, and nothing in this herein restricts management's right to assign or reassign duties and responsibilities to this position at any time.