COBEY®

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JOB DESCRIPTION

Title: Senior Rotating Equipment Engineer
Date: June 16, 2022
Report to: Director of Project Management
Job Location: Buffalo, NY and/or Remote

Job Summary:

Lead role providing support for custom rotating equipment packages, their auxiliaries, and related equipment for high-profile customers in the petrochemical, oil and gas, power generation, industrial gas, and air separation markets from pre-award through post-order. Assist engineering and manufacturing teams for successful completion of awarded projects. Responsibilities include working closely with project execution and production teams to ensure rotating equipment is properly specified, procured, packaged, and supported in accordance with OEM and customer specifications.

Duties and Responsibilities:

- Rotating equipment subject matter expert.
- Collaborate with project managers, engineers, and designers in developing layout and design of custom rotating equipment packages.
- Requisition and procurement of major, high dollar value engineered components, including but not limited to rotating equipment and drives.
- Development of contract specific documentation for design, installation, operation, and maintenance of custom rotating equipment packages.
- Analysis of customer supplied information, including drawings and specifications, with an ability to translate those into specific and executable project requirements.
- Track and manage technical data.
- Provide technical information to design & drafting to generate drawings.
- Follow up with customers for technical and commercial clarifications, as necessary.
- Assist in development of training programs for engineering, design, and sales & marketing staff related to rotating equipment.
- Review controls narrative and sequence of operation for rotating equipment packages with control panels/systems.
- Review supplier documentation to be certain major components are properly installed and prepared before testing and/or shipment.
- Involvement in high level NCR's and warranty claims with a focus on customer service, responsiveness, and cost exposure.
- Root cause analysis & correction action.

Customer Centric Skills and Abilities:

- Exceptional customer facing communication skills and ability to communicate clearly and professionally with clients, suppliers, and internal team on a regular basis, both verbally and in writing.
- Experience with large scale, complex & innovative projects (packaged equipment manufacturing with long lead time/life cycle) with ability to review & apply project specifications.
- Schedule oriented with proficient multi-tasking skills to successfully manage and execute multiple projects in different stages of completion at once.
- Strong organizational skills with ability to maintain and track all project correspondence and documentation.
- Ability to comprehend customer requirements and make appropriate recommendations/briefings.
- Ability to troubleshoot, diagnose errors/technical problems, and determine proper and cost-effective solutions.
- Excellent judgment with ability to make decisions and delegate tasks effectively.

- Solution oriented with the capacity to resolve escalated issues.
- Hands on, can-do type acumen.
- Adept negotiation, forecasting and estimating skills.
- Ability to operate with minimal direct supervision.

Knowledge:

- General knowledge of reciprocating, rotary screw, and centrifugal compressor design & operation (including but not limited to mechanical design, operation, use, repair, maintenance).
- General knowledge of custom OEM rotating equipment (including but not limited to compressors, pumps, gears, motors, steam turbines, turbo-expanders, generators).
- General knowledge of heat transfer, filtration, control valve application, instrumentation selection.
- Understanding of system operation sequence & controls narrative.
- General knowledge of pressure vessel design (including but not limited to reservoirs, separators, particulate/coalescing filters, adsorbers).
- General knowledge of API standards (including but not limited to API-614, API-610, API-611, API-617, API-619, API-676).
- General knowledge of ANSI B31.3 and B31.1 piping standards.
- General knowledge of ASTM structural steel material standards for shapes, plate, forgings, castings, bolting.
- Familiarity with electric codes including NEC, IEC, and CSA.
- General knowledge of commercial terms.
- Familiarity with welding metals for structure/piping/vessels, weld symbols, & fabrication is preferred.

Credentials and Experience:

- BS in Engineering, Mechanical preferred.
- 10+ years relative experience.

Special Requirements:

- Willing to work overtime to meet deadlines.
- Occasional domestic and international travel.

SIGNATURES

This job description has been approved by all levels of management:

Manager_____ Date_____

HR_____ Date_____

Employee signature below constitutes employee's understanding of the requirements, essential functions, and duties of the position.

Employee_____ Date_____