

## JOB DESCRIPTION

**Title:** Senior Rotating Equipment Engineer (Or Senior Machinery Engineer)

**Date:** March 30, 2021

**Report to:** Director of Project Management

**Job Location:** Western New York

**Job Summary:** The Senior Rotating Equipment Engineer provides support on pre and post order equipment & packages. General job responsibilities include ensuring all rotating equipment is properly specified, procured, and packaged in accordance with customer requirements. Provide engineering support for testing of systems, application of sound engineering practices and detailed test methods for equipment packages. The Senior Rotating Equipment Engineer works closely with project execution and production teams in defining, scheduling, and coordinating testing as may be required. Also coordinates and performs field service, commissioning, and administrates warranty claims as may occur. Ensure customer issues are satisfactorily resolved in concert with project management & engineering, manufacturing, and/or other teams as needed.

### Duties and Responsibilities

- Develop contract specific operating procedures for design, installation, operation, and maintenance of rotating equipment packages. This includes equipment related documents such as control narratives.
- Write specifications and purchase orders for major engineered equipment.
- Collaborate with project managers and project engineers in developing the design of rotating equipment & associated packages.
- Assist Marketing staff with quotations as needed.
- Organize and develop training programs for engineering, design, and marketing staff.
- Create and maintain work instructions for repeatable test set-ups.
- Take lead role in customer service and client relations during testing. Report to and coordinate with Project Team regarding status of test and customer satisfaction.
- Create and maintain work instructions for repeatable test set-ups.
- Propose safety and testing improvements. Work safely by following both OSHA and company safety rules and regulations.
- Analysis of QPP (test procedures) and QPR (test records).
- Review controls narrative and assist controls checks/testing for rotating equipment packages with control panels/systems.
- Analysis and implementation of industry standard test procedures (e.g., API-614) and customer supplied information including drawings, specifications as related to contract-specific testing requirements.
- Review supplier documentation to be certain major components are properly installed and prepared before run testing (e.g. pump is aligned, primed, and lubricated).
- Using the ITP (Inspection and Test Plan) for guidance, proactively coordinate with Manufacturing Dept. and Test Technicians to marshal the necessary test equipment, personnel, and documentation for the test.
- After completion of testing, review ITP and all test records for accuracy and completion prior to release from Test Dept. Ensure all results have met client requirements and company/industry standards.
- Manage all aspects of direct support services and warranty claims with a focus on customer service, responsiveness, and cost exposure.
- Order placement, expediting and shipping coordination of all parts required for field service and warranty.
- Travel to customer site when necessary to provide engineering support during commissioning or when field service issues arise.
- Create and maintain log of site visits to accurately record time and costs.
- Generate timely and detailed field service engineering reports for internal and external distribution.

### Knowledge, Skills, and Abilities



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- Excellent customer service etiquette.
- Proficient multi-tasking skills to successfully execute multiple projects in different stages of completion at once.
- Ability to communicate clearly and professionally with clients, suppliers, and internal team on a regular basis, both verbally and in writing.
- Comprehend customer requirements and make appropriate recommendations/briefings. Ability to troubleshoot, test and diagnose errors and/or technical problems and determine proper and cost-effective solutions. Ability to repair and service technical equipment.
- Solution oriented with the capacity to resolve escalated issues; Hands on, can-do type of acumen.
- Strong organizational skills to maintain and track all test records, correspondence, and documentation.
- 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 ASME code requirements.
- Reciprocating, rotary screw, and centrifugal compressor design & operation.
- Other rotating equipment such as pumps, gears, motors, steam turbines, turbo-expanders, and generators.
- Prepare Controls Narratives.
- NEC (National Electric Code) and other international electrical codes such as IEC and CSA.
- Ability to operate with minimal direct supervision.

**Credentials and Experience**

- B.S. in Engineering
- Ten (10)+ years of rotating and fixed equipment experience in the Industrial Gases, Oil & Gas, CNG or related industries.

**Special Requirements:**

- Willing to travel (primarily USA with some International) for customer/supplier meetings, equipment commissioning, analysis and general field service. Estimated at 25%.
- Hands on, can-do type of acumen.
- Other responsibilities assigned by management from time to time as may be deemed applicable.

**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 \_\_\_\_\_