



JOB DESCRIPTION – Senior Mechanical Engineer / Project Manager

Reporting directly to the President, this role is responsible for the research, design and development duties related to the evaluation, installation, operation and maintenance of mechanical systems.

Duties and Responsibilities

Project Management

- Must be entrepreneurial and able to work in a small company. Duties will include working independently, mentoring and leading a team and regular liaison with customers and suppliers
- Interface with client Project Manager through project development, execution and completion.
- Execute the contract to the client requirements and specifications. Ensure the scope of work, terms and conditions, and specifications are clearly understood and communicate the same to all sub-contractors. Responsible for Engineering work plans, AFE estimates, client relationships, managing projects and the people associated with them.
- Accountable to ensure all components of the overall project execution plan are developed and directed at meeting project goals and objectives. Ensuring the development of:
 - Safety Management Plan
 - Quality Management Plan
 - Materials Plan
 - Equipment Fabrication Plan
 - Subcontractor Management Plan
 - Accounting Plan
 - Cost and Schedule Control Plan
 - Change Management Plan
- Develop the original budget, manage changes, determine progress and generate forecasts.
- Promote and ensure safety compliance in all areas of responsibility and actively resolve safety issues or concerns
- Ensure project budget is maintained and adjusted as necessary with appropriate client and management communication and authorization.
- Report performance to financial targets.

Supervisory Requirements:

- Provide direction and supervision to all lower tier employees. Formally evaluate their performance after each project and provide feedback.
- Resolve performance issues in a timely manner.
- Identify capability gaps and ensure sufficient training opportunities are available to Supervisors and field staff.
- Ensure all supervisors clearly understand their roles and responsibilities.



JOB DESCRIPTION – Senior Mechanical Engineer / Project Manager

Engineering

- Provide comprehensive design services by supporting the establishment of design criteria and the preparation of specifications, design computations, drawings, models, and bills of material in accordance with basic project requirements
- Authenticates IFC mechanical drawing packages with P.Eng stamp
- Analyze the designs of vendors or subcontractors providing specific equipment
- Develop and participate in reviews, in conjunction with other disciplines, of conceptual drawings, layout process flows, process flow diagrams (PFD's) and, piping and instrumentation diagrams (P&ID's)
- Put together the mechanical bid packages (RFQ)
- Review and mark-up from a mechanical perspective the applicable vendor documentation
- Lead small to mid-size multidiscipline projects
- Review project drawings for quality and completeness
- Assist in the preparation of engineering scope of work packages
- Ensure that all discipline deliverables are checked and verified in regards to mechanical equipment
- Ensure consistency and integrity of all major equipment in accordance with all codes and specifications
- Evaluate and forecast the costs for major equipment
- Coordinate all major equipment design with other disciplines
- Prepare material requisitions and work with vendors to supply mechanical equipment
- Carry out assigned shop and field inspection
- Act as a technical resource person for other staff and mentor less experienced engineers

Safety

- Attends all safety meetings.
- Understands both Corsair and client safety programs. Maintains knowledge of all applicable standards and administrative practices as they may relate to Corsair and the project team.
- Works with environmental, health and safety advisory committees to promote and provide safety updates and training as needed.
- Performs or assists with accident investigations as needed. Takes necessary corrective action to prevent future incidents. Communicates recommendations to all concerned parties promptly.



JOB DESCRIPTION – Senior Mechanical Engineer / Project Manager

Qualifications

- A Degree in Mechanical Engineering
- Ability to Stamp drawings (Alberta & BC preferred)
- 10 or more years of directly related work with current APEGGA registration
- Experience in Oil & Gas facility projects including some of the following areas: heavy oil facilities, well tie-ins, pipelines, LACTs, compressor stations, pumps
- Familiar with codes (CSA, ASME, API)
- Strong written and verbal communication skills with extensive knowledge of codes, standards and normal industry specifications
- Very familiar with project documents such as DBM's, PFDS's P& ID's, line lists, shut down keys, specifications and other supporting documents
- Able to manage teams consisting of many disciplines and personalities, and collaborate to achieve a sound business outcome
- Familiar with regulatory standards
- Diligent, reliable, thorough, tenacious and detail oriented with excellent communication and interpersonal skills.
- Superior client service skills.
- Demonstrated ability to multi-task, probe, analyze and solve complex issues.
- Ability to work in a constantly changing environment and achieve quality standards.
- Strong organizational skills, including effective prioritization and follow-up.
- Working knowledge of such computer programs as spread sheets, word processing, scheduling software, and project management software.
- Good knowledge of quality control and construction safety required in Oil & Gas projects.
- Must be able to read and interpret contracts, blueprints and drawings for Oil & Gas projects and understand the scope of work and project specifications.