



## **Title: Senior Process Engineer, LNG Operations**

### **Job Summary:**

Working in accordance with the organization's strategic vision, core values and leadership competencies and reporting to the Manager, LNG Engineering, this position will manage the overall portfolio of Process Engineering to ensure safety and to support FortisBC LNG Operations, as a primary function, and prospective major and sustainable projects; provide discipline support, project management and administration services; and oversee the planning, engineering, design, management of change process and quality assurance requirements.

### **Key Accountabilities:**

Provide process engineering expertise, oversight and leadership along with technical direction to ensure compliance with industry codes, regulations, established standards and best practices. Assess and manage operational and equipment risk, including recommendations to mitigate risk through planning, design/analysis and operational/project controls related to technology/equipment selection, plant process issues, field engineering, QA/QC monitoring.

Stay attuned to the Operations team focusing on LNG operations and ensure alignment with existing database, regulations, and operational plans. Provide direction to plant operators on process issues and safety practices, alarm rationalization, ensure proper focus is given to process variable limits, manage operating manuals and procedures, support commissioning start-up, pit-stop, turnaround activities and approval of MOCs in different stages of a project life-cycle of operational facilities.

Provide a site-wide approach to process optimization, problem solving and identify resource requirements at plant level to solve plant process issues. Assist, as required, in response to outages, upsets, unplanned downtime and serve as a communication link to both Operations Manager and Engineering Manager.

Manage activities and projects at the team level; develop direction and plans to meet identified goals and targets including setting priorities, assigning or re-arranging work and projects. Manage related budgets and/or other funds. Review work, monitor progress, performance of activities and projects. Identify and manage risks associated with the successful delivery of projects; build contingency plans, exception controls and effectively manage resources and contracts. Provide leadership to cross-functional teams; provide work direction to engineers, technologists, external contractors and consultants.

Conduct plant operational process parameters, identify areas of improvement, project assessments; technical issues and determine economic feasibility of new projects or sustainable capital projects.

Be able to develop (with input from other engineering disciplines) Scope of Work, RFI, RFP, RFQ and compare bids or proposals for miscellaneous small to big projects. Be able to provide overall process engineering discipline leadership in scope change / project change control. Compile appropriate project and handover records or site documents for major capital projects or sustainable capital projects.

Provide design and engineering service to Project Management Office and LNG Operations as needed. Be able to support LNG Operations during commissioning and ensure safe operations. Develop and modify, as required, process models for existing and future facilities.

Be able to provide inputs, review and/or develop miscellaneous process engineering documents e.g. technology viability report, decision support package, H&MB, PFDs, P&IDs, control narratives, Cause & Effect Diagrams, Line Designation tables, Design Pressure Design Temperature diagrams, Instrument Data Sheet, firewater design, line hydraulics, equipment [rotating and static] sizing including pressure safety valves and flares, operating manuals; participate and contribute in Process Hazard Analysis studies (e.g. HAZID, HAZOP, LOPA).

### **Education and Experience:**

Bachelor's Degree in Chemical Engineering discipline from an accredited University plus minimum 10 years progressive engineering experience in front end loading studies, detailed engineering and trouble shooting experience in oil and gas sector as well as Project Management Experience.

Must be a Professional Engineer currently registered or eligible for registration with EGBC. Experience in engineering consulting/engineering procurement and construction sector. Operational experience will be an asset.

### **Technical Competencies:**

- Demonstrated knowledge of safety management and applicable regulatory codes and standards
- Demonstrated experience of oil and gas sector engineering experience
- Demonstrated knowledge in developing concept to final design
- Demonstrated experience in operations of chemical plants and writing operation manuals
- Demonstrated experience in Project Management
- Demonstrated ability to carry projects and initiatives to completion
- Demonstrated ability to provide technical direction
- Demonstrated ability to persuade and influence decisions
- Demonstrated ability to communicate effectively both verbally and in writing
- Demonstrated ability to present technical and conceptual ideas
- Demonstrated ability to communicate and present highly technical material to non-technical persons
- Demonstrated ability to organize work and meet priorities and work within demanding work schedules
- Demonstrated ability to analyze and resolve problems.
- Demonstrated ability to work both independently and as part of a team.
- Working knowledge of project management principles
- Working knowledge of budget concept and principles
- Working knowledge of general engineering techniques
- Working knowledge of business, financial and negotiation skills
- Working knowledge of leadership in a unionized environment
- Demonstrated proficiency with various commonly used engineering software and Microsoft Suite