

## Sr. Process Engineer

At Carbon Engineering, our vision is to lead the world in the large-scale removal of carbon dioxide from the air and advance our shift to a sustainable carbon-neutral society. Based in the outdoor recreation hub of Squamish, BC, this role will be a great fit for someone who feels passionately about this vision, and who wants to be a part of a fast-paced culture where contributions are noticed.

### Position Scope

Oversee the design and development of a major integrated area of CE's process plant and draw from prior experience managing or working for an EPC firm.

- Reports to the Manager, Process Engineering
- Manage junior/intermediate Engineers in evaluating the design/making process improvements for specific plant areas.
- Work with the Manager, Process Engineering to determine the development direction for processes/plant designs.

### Responsibilities

- Lead development and scale up of a portion of CE's process.
- Evaluate process improvements based on plant data, R&D discoveries, model results.
- Work with the Process Engineering team to evaluate process configuration options for plant design.
- Mentor junior engineers.
- Develop BFDs, PFDs, P&IDs, equipment requirements/specifications.
- Review heat and mass balances, process simulations.
- Provide process input to the development of RFQs.
- Review vendor documents, drawings, datasheets, specification and calculations.
- Interface with Operators to specify testing requirements and obtain test data/learnings to incorporate into plant design.
- Evaluate sensitivities from process models or calculations to identify potential process improvements.
- Research and prepare summary reports of alternative design options.
- Participate in Hazop studies.
- Subcontractor management.
- Oversee detailed engineering by EPC as well as start-up and commissioning of new plants.

### Qualifications

- Education: Minimum BEng, BAsC Chemical Engineering. Registration as a Professional Engineer (PEng) in BC, or eligibility for registration is required.
- Experience: minimum 8+ years of relevant plant design experience.
- Process design knowledge in mining, water treatment, pulp and paper (petrochemicals or refining experience is an asset).
- Field experience in a chemical plant including commissioning of equipment, operations troubleshooting, identifying process improvements based on plant data/observations
- R&D environment developing new processes

- Excellent written and verbal communications skills.
- A self-starter with the ability to work independently towards multiple deadlines with minimum supervision in a fast-paced environment.
- Thrive on doing things that have not been done before (explorer mindset) and tackling challenging problems.

If this seems like the dream job for you, send your resume to [careers@carbonengineering.com](mailto:careers@carbonengineering.com) and quote “Sr. Process Engineer” in the subject line.