

Senior Process Engineer (Plant Design)

Based in the outdoor recreation hub of Squamish, BC, this is a senior role for an engineer who understands large industrial plant design. Experience working for an EPC firm in chemical, petrochemical process, mining, and/or water treatment plant design would be ideal. Reporting to the Director of Engineering, you will be responsible for the detailed design of the next scale demonstration and commercial plants of Carbon Engineering's AIR TO FUELS™ process.

This is an opportunity to join a team focused on integrating atmospheric CO₂ into liquid fuels production and a great match for an individual who wants to be part of a start-up culture where your contributions are noticed.

Qualifications:

Education: Chemical Engineering (MS Preferred)

Experience: minimum 8-10 years or relevant plant design experience

- Creation of process flow diagrams that include mass and energy balance.
- Creation of piping and instrumentation diagrams.
- HAZOP studies and reports.
- Specification, sizing and purchasing of equipment, pumps, valves, lines and other plant components. Preparation an issue of RFQs. Review of vendor's documents, drawings, datasheets, specification and calculations.
- Interaction with plant process engineers to identify development activities that inform the design.
- Subcontractor management.
- Estimation of budgets for construction, capital and operating expense.

In addition to technical skills, you also need to have these to be the right fit:

- A self-starter with the ability to work independently towards multiple deadlines with minimum supervision in a fast-paced environment.
- Experience and comfort working in a development environment.
- Thrive on doing things that have not been done before (explorer mindset).
- Must have either landed immigrant status or Canadian Citizenship.

If this seems like the dream job for you, send your resume to careers@carbonengineering.com and quote "Senior Process Engineer" in the subject line.