

## Sr. Mechanical 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

This position will lead the selection and design of equipment for future plants. You will provide guidance for the design, configuration, and scale-up of equipment, establish design standards, and manage vendor negotiations.

- Reports to Mechanical Team Lead.
- Work with the Operations team to share information which will guide equipment selection and design for plants.

### Responsibilities

- Lead studies to identify suitable equipment to meet process conditions then select equipment based on study results.
- Perform and check equipment sizing and process calculations.
- Review PIDs and make recommendations on equipment configuration.
- Interpret and use pilot plant data to scale-up equipment or to improve equipment (identify better options).
- Present technical information, concepts, or study results to multiple Stakeholders.
- Assign tasks to junior engineers and technicians.
- Support and advise on generation of plant design documents.
- Make recommendations on establishing engineering design standards.
- Oversee vendor testing.
- Oversee EPC work during detailed engineering and construction.
- Assist Operations Team in plant start-up and commissioning.
- Work with plant Operators to understand issues and remedy in new plant design.
- Mentor junior engineers and technicians.

### Qualifications

- Education: BEng Mechanical. Registered as a Professional Engineer (PEng) in BC, or eligibility for registration is required.
- Experience: minimum 8+ years' experience in chemical plants/process, water treatment, biofuels, pulp and paper, mineral processing, oil and gas facilities, or similar.
- Previous employment at an EPC or extensive experience working with EPC.
- Prior knowledge of FEED or FEL of large commercial process plants.
- Demonstrated experience with process scale-up.
- Experience working with vendors to design and deliver customized equipment.
- 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. Mechanical Engineer" in the subject line.