



Intermediate 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 is an intermediate role for an Engineer who will lead the design and scale-up of equipment from pilot plant to commercial plant. Experience working in a chemical process plant or part of a design team is an asset.

- Reports to the Mechanical Team Lead.
- Support the Mechanical Engineering team with the selection and design of mechanical and process equipment for plants.
- Liaise with multiple stakeholders to guide decisions for equipment selection and configuration for future plants.

Responsibilities

- Manage projects and design efforts with third parties and vendors.
- Coordinate testing with vendors and equipment suppliers.
- Interpret vendor test results and make recommendations for implementation into the plant design.
- Interpret pilot data for use in equipment design and selection.
- Prepare bid documents for vendors.
- Present technical information, concepts, or study results to various stakeholders.
- Review vendor bid packages and make recommendations on equipment selection.
- Research suitable equipment to meet process conditions.
- Complete economic analyses comparing different technologies.
- Write equipment datasheets, leading to plant design documents.
- Work with vendors to finalize equipment design.
- Collaborate with Plant Operators to understand issues and modify as required in new plant designs.
- Collaborate with and support EPCs during, front-end engineering, detailed engineering, and construction.
- Collaborate with the Process Engineering team to understand plant requirements.
- Collaborate and support the Operations team during start-up and commissioning of plants.

Qualifications

- Education: BSc Mechanical Engineering
- Experience: 5+ years, ideally in chemical plants/process, water treatment, biofuels, pulp and paper, mineral processing, oil and gas facilities, or similar industry.
- Excellent written and verbal communication skills.
- Can interpret PFDs, P&IDs, Mass Balances, Datasheets, etc.
- “Swiss-army knife” capabilities.
- Collaborate well in a team environment.
- Desire to learn.
- 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 and quote “Intermediate Mechanical Engineer” in the subject line.