

Lead Project 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 a senior role for an Engineer who understands and has led large industrial, plant design and construction projects. Experience working for an EPC firm in chemical, petrochemical process, and/or water treatment plant design and construction would be ideal.

- Reports to the Director of Engineering.
- Technical lead interfacing with the Project Lead, Business Development, Engineering, and Materials Management teams for plant projects.
- Lead engineer on cross-functional capital projects.
- Responsible for the successful engineering implementation of projects to build plants to cost, schedule, and performance requirements. Plant budgets will be more than \$100M, with multiple external suppliers in multiple geographies.

Responsibilities

- Technical lead on large capital projects starting from FEED and progressing through detailed engineering, construction and plant start-up.
- Liaise with the Engineering team and EPC management to establish the technical definition, project budget, schedule, and plant performance.
- Technical expert during business development, stakeholder meetings, site selection, permitting and vendor negotiations.
- Create process flow diagrams that include mass and energy balance.
- Create piping and instrumentation diagrams.
- Contribute to HAZOP studies and reports.
- Specification, sizing, and purchasing of equipment, pumps, valves, lines and other plant components.
- Preparation and issue of RFQs.
- Review vendor's documents, drawings, datasheets, specification and calculations.
- Interact with plant process engineers to identify development activities that inform the design.
- Subcontractor management.
- Oversee the construction, start up, and commissioning of a new plants.
- Estimate budgets for construction, capital, and operating expense.

Qualifications

- Education: Chemical or Mechanical Engineering (MS Preferred)
- Experience: minimum 15 years or relevant plant design and technical project leadership.

- Demonstrated experience in a lead technical role for large capital projects involving multiple stakeholders.
- Excellent written and verbal communications skills.
- Ability to distill complex problems into simple solutions.
- A self-starter with the ability to work independently towards multiple deadlines with minimum supervision in a fast-paced environment.
- Experience and comfort leading the design and deployment of \$100M process plants
- 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 "Lead Project Engineer" in the subject line.