

### **Company Description**

We're on a mission to become the most impactful carbon technology company of this decade. Carbon Upcycling's patented technology reduces the carbon emissions of cement and concrete while improving the strength and durability. Our technology enables lower carbon, higher resilience concrete for the adaptable infrastructure we need in the 21st century.

Since 2014, Carbon Upcycling has scaled its ability to convert CO<sub>2</sub> emissions into value-add end materials over a million times and has since been confirmed as one of the top CO<sub>2</sub> utilization companies in the world as a winner of the X-Factor Award in the Carbon XPRIZE. We've also been named as a Solar Impulse Efficient Solution label recipient, a funding recipient of Fundación Repsol Entrepreneurs Fund, and a winner of the 2019 76West Clean Technology Competition.

At Carbon Upcycling, we're using the waste of today to build a better tomorrow. We have a vision of creating a world where carbon is a sustainable resource to shape the future of humanity. We are a team that values and embraces diversity in people and thoughts.

Learn more about our company, our low-carbon cement alternative, and our low-carbon plastics alternative [on our website](#).

### **Culture**

We have an incredible opportunity to make an impact on this earth. With a focus on innovation, we have been pushing the boundaries in some of the largest industries in the world. Carbon Upcycling team members lean into their curiosity and resourcefulness, move quickly, and are proactive problem solvers. We have fostered an ambitious team that has been able to scale our technology by over one million times in production capacity in the past five years. Through a company culture that is trusting and transparent, we have built a team of positive thinkers that are committed to achieving evidence-based impact. Applicants who are looking for a culture that is focused on continuous learning and new challenges will fit in well. We believe in diversity and inclusion. We believe in integrity. We believe in innovation. We believe in curiosity. We believe in accelerating change as a team of doers. Join us.

**Job Title: Junior Project Engineer**

Job Type: Full-time permanent

Department: Engineering

Location: Calgary

Role Overview: Project engineering for new carbon capture and utilization machinery, reports to the Senior Mechanical Engineer

**Responsibilities**

- Assist the project engineer with leading large projects from engineering through to commissioning
- Manage small to medium size projects with assistance from the project engineer
- Participate in engineering meetings and assist with task management and completion, for the internal engineering team and external consultants, vendors and contractors
- Perform site inspections and meet regularly with site construction contractors, equipment vendors, and service providers
- Support project engineering initiatives such as preparing execution/management plans, tracking project progress, and reviewing field work completed
- Analyzing project specifications, developing work schedules, and delegating tasks to different team members
- Adept and well-versed in language around process, civil, electrical, and mechanical engineering to liaise effectively with associated contractors
- Ensuring that all engineering and manufacturing processes are in keeping with the health and safety regulations of the state/province and the country
- EPC management, monitor progress, and implement project controls
- Responsible for conflict resolution and timeliness of project deliverables pertaining to selected vendors and contractors
- Coordinate internal resources and contractors/vendors for the flawless execution of projects
- Ensure that all projects are delivered on-time, within scope and within budget; use appropriate verification techniques to manage changes in project scope, schedule and costs
- Supports in the creation and maintenance of comprehensive project documentation, including construction and commissioning procedures, as necessary
- Assist with managing the relationship with the client and all stakeholders
- Perform risk management to minimize project risks
- Meets financial objectives by forecasting requirements; preparing project budgets; scheduling expenditures; analyzing variances; initiating corrective actions
  
- General Responsibilities:
  - Willingness to take calculated risks, own up to mistakes, and rebound from setbacks
  - Able to dive into technically challenging disciplines and rapidly become a subject matter expert
  - Key non-technical attributes we look for include self-awareness, ability to prioritize and delegate, and high performance in dynamically changing environments
  - Strong ability to create a project action plan, take charge and direct resources to realize technical implementations from inception to completion

**Qualifications**

- Registered E.I.T. in Alberta in good standing, preferred
- Experience working with and managing EPC firms preferred
- Preference given to those with hands-on project management experience/skills/interest
- Experience working with/at cement plants and with solid material handling is preferred
- Experience in mechanical equipment design, operations, maintenance, or troubleshooting with exposure to one or more of the following areas preferred:
  - Pneumatic material conveying systems
  - Pressurized fluids, vessels, piping systems
  - Rotating equipment such as large gearbox systems and bearings
  - Convective and conductive heat transfer with complex heat generation modes
- Ability to create a project action plan, take charge and direct resources to realize technical implementations from inception to completion
- Willingness to learn company systems and new technologies is essential
- Excellent written and verbal communication skills
- Key non-technical attributes we look for include self-awareness, ability to prioritize and delegate, and high performance in dynamically changing environments
- Solid organizational skills including attention to detail and multi-tasking skills

Willingness to travel: up to 50%

Language: English

**Compensation**

- Salary competitive
- Benefits include extended health benefits, paid parental leave, bereavement time, paid vacation and sick leave, health and life insurance, stock options
- Extensive training and development opportunities

The right candidate for this role might not have every qualification listed in this job description. The right candidate might have skills that we haven't considered. If you think you'd make a great candidate for this position, please send us your resume and let us know why. We look forward to hearing from you!

**Application Instructions**

To apply, please send a cover letter and resume to [careers@carbonupcycling.com](mailto:careers@carbonupcycling.com) and include the job title in the subject line.