

# Job Opportunity



## Engineer, Mechanical or Chemical

International CCS Knowledge Centre

Location: Regina, Saskatchewan

Closing date: November 1, 2021

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***The next iteration of large-scale carbon capture and storage (CCS) is underway. Join the International CCS Knowledge Centre's project delivery and advisory team – those who have actually done it – and have a hand in it too!***

*Intent to see impactful climate action, coupled with expertise and capability, at the International CCS Knowledge Centre, we've got the drive to see momentum in the next iterations of large-scale CCS.*

**Join us. It's going to be big!**

### WHO WE ARE: **International CCS Knowledge Centre**

At the International CCS Knowledge Centre (Knowledge Centre), we take climate action seriously. We are dedicated to advancing the understanding and use of large-scale carbon capture and storage (CCS) as a means of managing greenhouse gas emissions, globally.

We know that the world can't get to net zero starting from ground zero – so we provide the know-how to implement large-scale CCS projects as well as CCS optimization. We house experts who were instrumental in the development and operations of the Boundary Dam 3 CCS Facility, the authors of the comprehensive second-generation CCS study, known as the Shand CCS Feasibility Study, as well as the leaders in the Lehigh CCS Feasibility Study, examining the application of carbon capture on cement.

We offer practical, hands-on experience-based guidance, technical advice for planning, design, construction, and operation of large-scale applications of CCS from thermal power to industrial processes.

Our team actively engages financiers and decision makers to ensure high-level information on CCS is conveyed with political, economic, and other broad considerations. By promoting and contributing to the technical advancement and cost reductions of second-generation CCS, organizations are better positioned to de-risk investment decisions.

The Knowledge Centre places high value on information and expertise that is permitted to be broadly shared with multiple parties. This promotes research, innovation, and deployment by reducing the cost and risk associated with new CCS projects around the world.

Learn more: [ccsknowledge.com](https://ccsknowledge.com)

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WHO YOU ARE: **Engineer, Mechanical or Chemical**

As an Engineer with the International CCS Knowledge Centre your key qualities include being a results-oriented thinker, with the ability to influence and manage complex and confidential projects/issues with sensitivity and professionalism.

Reporting to the Knowledge Centre's Vice President of Project Development and Advisory Services, this position is accountable for ensuring that Knowledge Centre projects, studies, and related work adequately address carbon capture equipment optimization, constructability, reliability, maintainability, as well as addressing health and safety considerations.

This position is responsible for developing, maintaining, using, and supervising the utilization of knowledge and methodologies related to the design, construction, commissioning, and ongoing maintenance of carbon capture facilities across a broad range of industries.

The engineer's tasks will include assisting with and/or preparing technical studies, business cases, designs, specifications, technology, and equipment evaluations. This position will prepare project plans, costs, and schedules and provide contract management and project coordination services.

## Qualifications

- Bachelor's Degree in Mechanical or Chemical Engineering, preferably with carbon capture experience
- Eligible for membership in the Association of Professional Engineers and Geoscientists of Saskatchewan, or
- Professional Engineering Designation (P.Eng.)
- 10 Years of experience planning facilities and providing design, construction, operations, commissioning, contract management and coordination of projects.

## Skills & Abilities

### Technical Expertise

- Ability to apply expertise and knowledge to technical projects and studies, finding innovative, cost-effective means to improve project outcomes
- Ability to effectively participate in the development and execution of work under service agreements that will be contracted between the Knowledge Centre and external organizations and companies
- Ability to perform technical and economic analysis of alternative solutions for project business cases, and make recommendations on courses of action
- Ability to identify and keep abreast of new developments in the carbon capture utilization and storage sector
- Ability to develop criteria, guidelines, standards, and new practices based upon codes, technologies, and methodologies

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## **Project Planning, Execution and Communication**

- Ability to prepare project plans, monitor costs and schedules, and initiate corrective action as appropriate to meet commitments
- Ability to present and explain proposals, progress and final reports, and study results to internal management as well as to clients and stakeholders
- Ability to manage tasks and direction effectively and to meet deadlines and work with demands for quick turnarounds
- Ability to maintain confidentiality and professionalism
- Ability to foster a culture focused on teamwork, innovation, and collaboration

A suitable combination of relevant education and experience may also be considered

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We thank all applicants for their interest in this position. Please note that we will only be in contact with those individuals selected to move forward through the application process.