



# CMC

Carbon Capture &  
Conversion Institute

<http://ccci.cmcghg.com/>

The Carbon Capture and Conversion Institute (CCCI) is a collaborative venture between CMC Research Institutes and BC Research Inc. This alliance creates a unique ecosystem of experts and equipment that is unparalleled in Canada. CCCI's mission is to accelerate the development, piloting, scale-up and validation of new carbon capture and conversion technologies.

CCCI offer clients access to a comprehensive set of facilities for pilot plant design, fabrication, testing and refinement. At the University of British Columbia (UBC) technology developers can work with faculty on early-stage, bench-scale technologies. The pilot plant facility, in the Technology Commercialization and Innovation Centre, has infrastructure and utilities which allow for long-term pilot plant trials.

### **Multiple Technologies Accommodated**

CCCI can accommodate a broad range of technologies from solvent systems, membranes and sorbents on the capture side, to chemical, electrochemical and even biological systems in the conversion stream. The facility also has capabilities and expertise in pre-combustion capture and the decarbonization of fossil fuels.

In its quest to accelerate the development of capture and conversion technologies, CCCI brings together researchers, engineers and business development professionals from the Institute's three founding organizations to work with clients. If CCCI does not have the in-house expertise, it will reach out to its global network of experts.

### **BC Research Inc. Team**

BC Research Inc. operates the Technology Commercialization and Innovation Centre where clients can develop novel capture and conversion process innovations from concept to commercialization. BC Research has over 25 years of experience in successfully implementing novel industrial processes to an international market. BC Research brings unique technical expertise to carbon capture and conversion solutions that expedite their readiness for industrial execution.

### **CMC Research Institutes**

CMC is the mission-driven operator of the CCCI and draws on a global network of experts to foster collaboration and build consortia to deliver solutions. CMC is a not-for-profit focused on eliminating industrial carbon emissions through the development of a series of R&D institutes focused on tackling carbon management challenges. As well as the CCCI, CMC is operating the Containment and Monitoring Institute to refine, test and deliver measurement and monitoring solutions to carbon capture and storage operations.