



## **Executive Brief President**

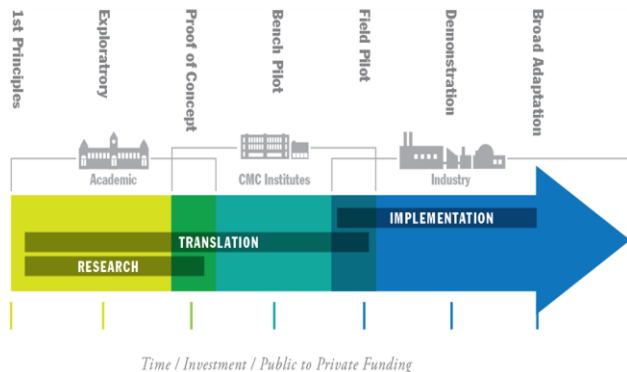
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## CMCRI IS UNIQUE AND CRITICAL FOR CANADA

[CMC Research Institutes, Inc. \(CMCRI\)](#) is leading the transformation of Canada's industrial economy to thrive in a low carbon world. CMCRI is an independent, not-for-profit entity that designs, creates, and operates research clusters that catalyze and deliver technology innovation in support of a single mission: *the elimination of industrial greenhouse gas (GHG) emissions.*

As Canada sets clear [commitments to reduce GHG emissions](#) and invests in a low carbon future, the country requires a central body for engaging academics and industry to develop technologies that reduce the amount of carbon being emitted into the environment. An appropriate suite of applied solutions needs to be designed, tested, and implemented in real-world situations, requiring the kind of applied research and development approach in which CMCRI specializes.



CMCRI aims to streamline and simplify the path from the bench to commercialization so that researchers and technology developers have greater success bringing their products and services to market.

CMCRI provides the services required to move concepts from lab bench to field by:

- Operating a field research station where national and international researchers collaborate on technology development and field testing, and a new generation of academic and industry researchers and professionals are trained;
- Constructing a Technology Commercialization and Innovation Centre to develop carbon capture and conversion technologies; readying them for scale up to field pilot or international competitions, such as the COSIA/NRG Carbon XPrize;
- Identifying and assessing commercially viable early stage technologies; and
- Convening and managing consortia to facilitate field pilot programs.

## GROUNDBREAKING RESEARCH THROUGH SPECIALIZED INSTITUTES

CMCRI is organized with a central hub that supports the Organization's institutes by connecting, catalyzing, and organizing players on common areas of work; by providing project management and back office support; and by engaging in advocacy, government relations, and global business/partnership development. CMCRI engages industry and research partners by identifying opportunities and gaps in technology innovation and funnels the research, development, and field testing to either the Containment & Monitoring Institute (CaMI) or the Carbon Capture & Conversion Institute (CCCI).

CMCRI is uniquely structured to support technology development through its ability to mobilize and leverage its existing brick and mortar institutes and in its capacity to mobilize Canada's academic brain trust in launching and incubating new institutes. Within each of these entities is deep specialist capacity to place emphasis on research development while being able to engage academics from a variety of disciplines to find solutions to carbon management challenges from different perspectives. Each with its own Director, the two institutes offer a comprehensive range of programs and services to help de-risk investment decisions and accelerate technology development.

- [Containment & Monitoring Institute \(CaMI\)](#): the frontline of scientific and technological development to ensure the secure underground storage of carbon and other fluids.
- [Carbon Capture & Conversion Institute \(CCCI\)](#): accelerates the development, piloting, scale-up and validation of new carbon capture and conversion technologies. As the world's industrial economies move toward decarbonization, there is an escalating need to push next generation carbon capture and conversion research from early stage to full-scale implementation. The CCCI was created to deliver solutions by providing experts and facilities to help research and pilot new technologies.

## A "COALITION OF THE WILLING" COMMITTED TO SOLVING INDUSTRIAL GHG CHALLENGES

CMCRI is a global network of leaders from academia, industry, and government labs/research institutes. Linking over 150 university researchers in Canada and beyond, CMCRI identifies government and industry GHG reduction requirements, mobilizes Canada's academic brain trust to develop applied solutions, and facilitates the translation of ideas into industrial-scale technologies and science-based opinions that allow for evidence-based policy making.

One of CMCRI's strengths lies in its ties to researchers in numerous international organizations such as: Ohio State University, the University of Arizona, the University of Queensland, Lawrence Berkeley National Laboratory, the Stanford Centre for Carbon Storage, SINTEF and NTNU in Norway, GFZ German Research Centre for Geoscience in Potsdam, the UK Carbon Capture and Storage Research Centre, the Korea CCS Research Centre, and the Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC) in Australia.

CMCRI's approach is novel - it pursues new pathways to reduce industrial greenhouse gas emissions to combat climate change and helps Canada develop important ways to transition to a low carbon future.

## A STRATEGIC AND FOCUSED LEADER

As the President of CMCRI you will join a committed global effort to mitigate climate change. You will work with your team, with academics from across Canada and around the world, with governments, and with industry to develop technologies that reduce and eliminate industrial GHG emissions while continuing to foster Canada's economic prosperity.

Reporting to an international Board of Directors, you will continue to align the CMCRI's mission with government agendas and priorities; secure stable funding from government, industry, and philanthropic sources; rally an army of academics to generate innovative technologies to tackle global climate change threats; raise the organization's profile as the "go-to" organization for solving industry's green house gas challenges; and engage national and international partners in solidifying CMCRI as the world innovation hub of the GHG solutions ecosystem.

As President you will be focused on the following areas:

### Financial

- Align CMCRI with potential funders' agendas to secure stable long-term funding (federal and/or provincial governments, private benefactors, and/or foundations);
- Closely monitor cash flow;
- Identify opportunities to gain access to provincial carbon tax dollars.

### Leadership

- Align CMCRI's value proposition with government agendas to be the "go to" solution for industrial GHG mitigation;
- Support the Board to decide about CMCRI's future: *grow, consolidate, or spin off*;
- Identify and hone CMCRI's specific expertise;
- Use tangible assets (CaMI and CCCI) to support larger innovators in technology development;
- Lead a small team.

### Branding

- Become known and respected for a finite area of excellence;
- Increase CMCRI's profile and visibility across national and global stakeholder groups;
- Reposition the CMCRI brand around the organization and its institutes;
- Diversify sector and geographic presence to become a federal-level "one stop shop" for industrial GHG reduction technologies (such as Cement, Manufacturing, Mining, Power and Utilities).

### Partnerships

- Bolster academic networks to create a vehicle for organizing Canada's academic community around specific issues, then shepherd the development of useful and scalable technologies;

- Gain the trust of academics, industries, and governments; be entrusted with funds to deliver on their priorities;
- Engage industry beyond the oil and gas sector (start nationally, then engage internationally);
- Engage CMCRI staff around a common vision.

## CANDIDATE PROFILE

CMCRI's ideal President is:

### Professional Background

- From a corporate, industrial, or small company background;
- Not likely an academic, scientist, or technical expert, but has the ability to engage at a high level in technical discussion;
- Familiar with commercialization, GHG mitigation, and/or environmental stewardship.

### Business Skills

- A business developer with a track record of generating funding/revenue, partnerships, and profile;
- Entrepreneurial with a sense of urgency and a comfort working in ambiguity;
- Action-oriented, pragmatic, and able to evaluate opportunities and take measured risks;
- Skilled at business- and project-management.

### Strategy

- A visionary leader-doer who can drive strategy forward;
- Strategically focused with the discipline to say no to opportunities outside a defined mandate;
- At a life stage that allows the ability to take a leadership position in a “start-up with a head start”.

### Interpersonal

- A credible, adaptive influencer who connects opportunities across government, academia, and industry to solve technology challenges;
- Able to help academics, government, and industry to turn thinking into definable technology requirements;
- Equally comfortable working with executives, senior officials, scientists, and CMCRI staff;
- Sufficiently well-connected in government, industry, and the academy to generate revenue, partnerships, and profile;
- Inclusive and collaborative with an ability to bring people together.

### Personality Traits

- Energetic, charismatic, and possibility-focused;
- Committed to the mission of CMCRI.

## FOR ADDITIONAL INFORMATION

- [www.cmcghg.com](http://www.cmcghg.com)
- [www.climatechange.gc.ca](http://www.climatechange.gc.ca)

To explore this opportunity further in confidence, please send your resume and supporting documentation to [admin@cmcghg.com](mailto:admin@cmcghg.com).

*CMC Research Institutes, Inc. hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and Indigenous persons.*