



Carbon Management Canada

Carbon Management Canada is a not-for-profit company providing realistic emissions reduction solutions to heavy industry. We support Canada's goal of emissions mitigation by accelerating the development and implementation of CCUS technologies and effective greenhouse gas monitoring systems. We provide evidence-based, advisory consulting services including techno-economic/market assessments, subsurface carbon sequestration and project support.

AVAILABLE RESOURCES

Newell County Facility

- Supports clients in accelerating emissions monitoring practices and technologies for carbon dioxide (CO₂) injection and sequestration
- Offers space for validating methane emissions detection technologies, and an applied research program for subscribers

Equipment

- One injection well; two observation wells; u-tube sampling system, fibre optics for DTS and DAS, electrical resistivity electrodes, controlled methane releases, dual-frequency comb laser spectrometer; Picarro cavity ring-down spectrometer; optical gas imaging camera; and more.

BC Research Facility

- Provides development support for companies and researchers with early-stage technologies.
- Working with BC Research Inc., the carbon capture and conversion facility provides laboratory facilities and engineering expertise to help clients de-risk, test and scale up technologies.

Equipment

- Up to 1 tonne/day CO₂; flue gas simulation; impurities SO₂, NO, NO₂, CO; saturated steam 130 psi; natural gas 3 MW equivalent.

COST OF SERVICES

Fee for service. Joint Industry Partnership and other partnership agreements are available.

CONTACT INFORMATION

Locations: Calgary, AB and Richmond, BC
Email: admin@cmcghg.com
Website: <https://cmcghg.com>

SERVICES

CMC provides evidence-based, unbiased support for CCUS project planning and implementation, market analysis, technology scouting, CCS closure and monitoring, emissions baselining, emissions management strategy design, CCS for blue hydrogen, and methane emissions technology testing.

EXPERTISE



Capture

Technology scouting, market research, techno-economic analysis, validation and testing, scale-up support, export development, company profiling, and more.



Storage

CMC conducts research in CO₂ subsurface monitoring, methane emissions detection, data analytics and modelling, leak detection and repair, reservoir engineering, and injection modelling. Our Joint Industry Partnership provides subscribers with access to research data that can help prioritize measurement, monitoring and verification technologies for CCUS operations.



Other

Increasing awareness and education about carbon mitigation technologies through the delivery of workshops, webinars, experiential learning programs, international showcases, and thought leadership.

TRL

Capture and conversion: TRL 3-7.
Storage and monitoring: TRL 5-9.