



Press release
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**CO₂ Solutions and Valorisation Carbone Québec invite Quebecers
to discover the “new carbon economy”**

Industrial businesses must rethink their GHG emissions reduction initiatives

Montreal, April 10, 2018 – With carbon gas being the largest contributing factor to climate change, CO₂ Solutions, and their partners in the Valorisation Carbone Québec (VCQ) project, Laval University and the Quebec government’s Fonds vert, invites Quebecers to discover the “new carbon economy.” The technology developed by CO₂ Solutions allows businesses to capture the carbon gas they emit and then reuse or sell it to interested Quebec and Canadian companies. The solution offers businesses a way to reduce their GHG emissions, reaching emissions targets without losing their competitiveness and even generate additional revenue.

“As part of the VCQ project, CO₂ Solutions is currently finalizing several industrial-scale projects for CO₂ repurposing,” remarks Dr. Louis Fradette, Director of the Valorisation Carbone Québec project. “The technology created will capture CO₂, but, even more importantly, it will also allow us to constructively convert carbon gas into value-added products for use in greenhouses, fuels, building materials and chemical commodities, for example.”

CO₂ Solutions and their Valorisation Carbone Québec partners are integrating the results of demonstration projects, which will allow them to encourage business leaders to rethink how they manage their GHG emissions. CO₂ Solutions opens the door for businesses to participate in this new economy thanks to a revolutionary and 100% green capture process, based on a system of carbon gas capture, conversion and reuse to generate new revenue.

GHG reduction and competitiveness



“In addition to creating jobs and enriching society, we can now reduce our impact on the environment in a concrete way through CO₂ capture and reuse,” emphasizes Evan Price, President of CO₂ Solutions Inc. “We have proof that the chain in fact works based on the carbon repurposing projects that have been set up at Chimie Parachem in Montreal East.”

Quebec is falling behind in its GHG emissions reduction target of 37.5% by 2030. An awareness campaign, created by Jazz Marketing Communications for CO₂ Solutions and its partners, is currently running throughout Quebec to sensitize business leaders and invite them to take a stand and join this new carbon economy. The video can be viewed here: <https://www.youtube.com/watch?v=W-ZICqYC3Y0>

A proven process

This revolutionary method to capture CO₂ uses an enabling enzyme just like the human lung. By imitating nature, CO₂ Solutions has streamlined the capturing process. The CO₂ produced is +99.95% pure and zero toxic waste is generated.

An initial commercial capture unit using CO₂ Solutions’ enzyme technology is being built at Produits Forestiers Résolu in Saint-Félicien, Quebec. The CO₂ captured at the paper plant will be reused year round by nearby Serres Toundra greenhouses in order to shorten the growing time of cucumbers. This initiative represents a tangible example of how the application of carbon capture technology can support the local economy in a very real way.

Additionally, thanks to the Chimie Parachem pilot project in Montreal East, the demonstration unit captures up to 10 tons of CO₂ per day, a validation of its commercial viability. Demonstration unit to reuse CO₂ in the production of methanol and other chemical industry products, building materials, animal food protein and several other applications are also under way.

Contact CO₂ Solutions or visit www.co2solutions.com to learn more.



About CO₂ Solutions and Valorisation Carbone Québec

Quebec-based CO₂ Solutions is an innovative Canadian company working in the field of enzyme-enabled carbon capture. For the last 20 years, it has been active in the development and commercialization of a technology for stationary sources of carbon pollution. Valorisation Carbone Québec, which was launched in 2016–2017 under Finance Minister Carlos Leitão, is an organization regrouping CO₂ Solutions, Laval University and the Fonds verts. The consortium, whose mission is to find ways to “capture and utilize CO₂ in applications that will contribute to the development of the Quebec economy,” was made possible through an investment of \$15 million over three years.

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Source: Valorisation Carbone Québec project

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