



Walking the Net-Zero Talk

Lafarge and Svante Inc. and Total S.A. make carbon capture and utilization a reality at the Lafarge Richmond Cement Plant in beautiful British Columbia.

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(Calgary, AB) Lafarge Canada Inc. (Lafarge) and Svante Inc. (Svante), and Total have reached a major milestone of Project CO₂ment, a first of its kind partnership to capture industrial levels of CO₂ emissions from a cement plant. The multi-phase project aimed to have CO₂ flow by the end of this month, and proudly reports the achievement of this milestone at the Lafarge Richmond Cement facility in British Columbia.

“This has been a turbulent year for business and people due to the COVID-19 pandemic with many large scale projects being put on hold, but the perseverance that the people working at the Richmond Cement plant continue to show is evident in the success of Project CO₂ment,” stated Brad Kohl, President, and CEO of Lafarge Western Canada. “To be the world leader in the building materials industry means we are always looking to partner with industrious and like-minded thought leaders such as Svante and Total. This partnership is showcasing our drive towards a net-zero future, and we are seeing this vision become a reality, right now with this project,” added Kohl.

Claude Letourneau, President & CEO of Svante, noted, “When we think about the fight against climate change, we know there has been work on energy efficiencies, renewables, but no major developments on capturing and cost-effectively using CO₂ emissions from industrial sources, until now. The last piece of this problem is essential because it is the part that allows us to transition to a carbon-neutral marketplace. Our partnership with Lafarge is building a new net-zero economy, and that is a very positive message we are sending to the world - it can be done.”

The Svante capture unit, a carbon capture technology designed to trap CO₂ produced from industrial processes, installed at the Richmond Cement Plant, allows the cement facility to capture the CO₂ contained in its cement flue gas and to reuse it for CO₂-cured concrete, thus storing it permanently. This development, coupled with the alternative fuels used at the plant, makes the world’s first full-cycle solution to capture and



reuse CO₂ from a cement plant. The carbon-efficient examples achieved here are leading the way to a near-zero emissions cement facility.

The technology and implementation of Project CO₂MENT are transformative and have not been used in a cement plant before in the world. Future work, over the next 3 years, will include the installation of a liquefaction unit and the development of an expansion project to further reduce emissions, as well as a business case review for further expansion across the Lafarge network. Continually pushing the boundaries through innovative and sustainable solutions on the road to a circular economy deepens Lafarge's commitment to reducing CO₂ at its operations.

About Lafarge Canada Inc.

Lafarge is Canada's largest provider of sustainable construction materials and a member of the global group, LafargeHolcim. With 6,000 employees and 350 sites across Canada, our mission is to provide construction solutions that build better cities and communities. The cities where Canadians live, work and raise their families along with the community's infrastructure benefit from the solutions provided by Lafarge consisting of aggregates, asphalt and paving, cement, precast concrete, ready-mix concrete, and road construction. www.lafarge.ca

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About Svante

Svante offers companies in emissions-intensive industries a commercially viable way to capture large-scale CO₂ emissions from existing infrastructure, either for safe storage or to be recycled for further industrial use in a closed loop. With the ability to capture CO₂ directly from industrial sources at less than half the capital cost of existing solutions, Svante makes industrial-scale carbon capture a reality. Svante's Board of Directors includes Nobel Laureate and former Secretary of Energy, Steven Chu; CEO of OGCI Climate Investments Pratima Rangarajan; and Steven Berkenfeld, former Head of Industrial & Cleantech Practice at Barclays Capital. www.svanteinc.com

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About Total S.A.

Total is a major energy company that produces and supplies oil, natural gas, and low-carbon electricity. Our 100,000 employees are committed to better energy that is safer, cleaner, more affordable, more



innovative, and accessible to all. With operations in more than 130 countries, our aim is to become the world's leading responsible energy major.

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