



*Scientist Amin Shadi adjusts settings on Arca's proprietary mineral activation equipment in Vancouver*

## **Arca Secures Funding Support for New Industrial Carbon Mineralization Project**

**Vancouver, BC [26 May 2026]** Arca, a Canadian carbon removal company developing **Industrial Mineralization** technologies, today announced that it is receiving advisory services and up to \$2 million in funding from the National Research Council of Canada Industrial Research Assistance Program (NRC IRAP) Clean Tech initiative supporting the launch of a **CAD \$7.4 million** research, development, and demonstration project.

The project will advance Arca's proprietary Mineral Activation and Engineered Carbonation technologies from laboratory scale to field deployment, enabling high-performance carbon dioxide removal using alkaline industrial wastes such as mine tailings and steel slag. Over the course of the project, Arca will design and build containerized, field-deployable units and prepare for a first-of-kind **Industrial Mineralization** pilot.

"This project represents a major step forward in bringing Canada-developed Industrial Mineralization technologies out of the lab and into real-world industrial settings," said **Paul**



**Needham, CEO of Arca.** “This support from NRC IRAP enables us to accelerate field validation, deepen partnerships with industrial operators, and advance scalable, durable carbon removal solutions that can deliver meaningful climate impact.”

The project is expected to strengthen Canada’s cleantech ecosystem through domestic engineering, manufacturing, and skilled job creation, while reinforcing core Canadian industries such as mining, metals, and steel manufacturing by creating new, value-added pathways for industrial by-products. This positions Industrial Mineralization as both a scalable pathway for permanent carbon dioxide removal and a driver of long-term industrial competitiveness in Canada.

“This innovation extends well beyond carbon removal. It reflects the kind of innovation that drives Canada’s clean economy forward,” said the **Honourable Mélanie Joly, Minister of Industry and Minister responsible for Canada Economic Development for Quebec Regions.** “Through advanced engineering, manufacturing, and deployment, this project is creating high-quality jobs, strengthening our industrial capacity, and positioning Canada as a leader in the global transition to net zero.”

### **About Arca**

Arca is a Canadian carbon dioxide removal company developing **Industrial Mineralization** technologies that permanently store atmospheric CO<sub>2</sub> as solid carbonate rock. By working with industrial partners and alkaline waste streams, Arca aims to deliver highly durable, measurable carbon removal at gigatonne scale.

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