# Correction: SaltX receives a $1.5 million R&D grant from Frontier to support large-scale electrified calcination project

*Correction to press release refers to previous missing MAR label.*

**SaltX Technology, a leader in electrified high-temperature industrial processing, today announced the launch of its Multi-Plasma Upgrade Project. This major initiative aims to scale its patented electric-plasma calcination technology to 1 million tonnes per year (tpy). The project seeks to expand the company's current module size for lime, cement, and other high-temperature industrial processes from 40,000 tpy to much larger single-unit capacities, enabling cost-competitive deployment across a wide range of hard-to-abate industries.**

Frontier, an advance market commitment to accelerate permanent carbon removal, awarded an R&D grant to SaltX to support the production of zero-carbon lime on behalf of **Frontier buyers Stripe, Shopify, and Google**. SaltX's existing partners — **ABB, thyssenkrupp Polysius, SMA Mineral, and Holcim** — will provide in-kind contributions, including resources and expertise.

## Accelerated scale-up for industrial decarbonisation

SaltX uses electrically generated plasma in a controlled $CO_2$ environment to enable fully fossil-free calcination, while simultaneously producing a pure, process-ready $CO_2$ stream suitable for storage or further utilisation. The company is currently preparing the

construction of its first industrial pilot plant with a capacity of 40,000 tonnes per year, together with SMA Mineral and thyssenkrupp Polysius, with construction planned to commence in the first half of 2026.

The company's modular design, with a current capacity of 40,000 tonnes per year, is well suited for producers seeking stepwise expansion. For other energy-intensive, high-capacity industries, such as cement, production lines with capacities ranging from 300,000 to 1 million tonnes per year are attractive in order to meet requirements related to volume, energy efficiency, and capital expenditure economics.

In response to increased market demand, SaltX is now accelerating the development of a next-generation high-capacity module design, integrating multiple plasma units within a single reactor. The objective is to validate the multi-plasma concept at the company's research centre (ECRC) and to confirm modelling and design assumptions for larger-scale units.

## A collaborative development programme

The scale-up project is a collaborative programme involving multiple stakeholders, with the ambition to accelerate market introduction and reduce emissions from industries that together account for billions of tonnes of $CO_2$ emissions annually. Frontier provides a significant share of the funding and views the technology as a key enabler of permanent, high-quality carbon removal. Electrified calcination, combined with the production of zero-carbon lime, represents a foundational technology that can be integrated with a range of carbon capture solutions, including direct air capture (DAC), ocean alkalinity enhancement (OAE — a method to increase the ocean's capacity to absorb carbon dioxide), and geological storage for large-scale carbon dioxide removal (CDR).

Additional partners contribute advanced engineering expertise, operational experience, material testing, and validation support. SaltX's two lead customers, SMA Mineral and Holcim, will actively participate in defining performance requirements and assessing future integration into their industrial facilities.

**Lina Jorheden, CEO of SaltX Technology:**
*"The pilot plant in Mo i Rana remains our primary focus and a critical step toward the industrialization of our technology. Support from Frontier, with the ambition to accelerate scale-up in response to long-term market demand for higher volumes, is an important recognition of the technology's potential. Together with our partners, we now look forward to taking the next step toward commercial large-scale deployment."*

## Path to commercial large-scale deployment

The project will run until the spring of 2027, with the objective of completing full technical validation at industrial scale and subsequently serving as a direct basis for engineering commercial plants with high-capacity single production lines.

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**About SaltX Technology**

SaltX is a Swedish Greentech company that develops and markets sustainable technology that will benefit customers, the climate, and society. The company operates within the electrification of emission-intensive industries such as the lime and cement industries. SaltX Technology's share is listed on the Nasdaq First North Premier Growth Market. For more information, visit: www.saltxtechnology.com.

**About Frontier**
Frontier is an advance market commitment to buy an initial $1B of permanent carbon removal between 2022 and 2030. It was founded by Stripe, Alphabet, Shopify, McKinsey Sustainability, and tens of thousands of businesses using Stripe Climate. Frontier's goal is to accelerate the development of carbon removal technologies by guaranteeing future demand for them. In practice, its team of technical and commercial experts facilitates purchases from high-potential carbon removal companies on behalf of buyers. More information at frontierclimate.com.