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Photo: Research Centre (Credit: SaltX Technology)

SaltX Technology, Sweden

Sweden's SaltX received US$ 1.5m R&D grant

SPOTLIGHT

Sweden's SaltX Technology announced the launch of its multi-plasma upgrade project, which aims to scale the patented electric plasma calcination technology to 1.0 Mta capacity. The grant has been provided by Frontier Climate, which was founded to accelerate carbon removal with the goal to catalyse a diverse portfolio of appropriate companies. The project by SaltX seeks to expand the company's current plasma heater module size from 40,000 tpy to much larger single-unit capacities. For the development of its first industrial pilot plant this year, SaltX partners with SMA Mineral and thyssenkrupp.

SaltX's unique technology 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. In the next development step, a high-capacity module will be designed, which allows the integration of multiple plasma units within a single reactor. The multi-plasma concept will be validated at the company's ECRC research centre (Photo). The project, funded by Frontier Climate, will run until spring 2027, with the objective of completing comprehensive validation of the technology at industrial scale and as a direct basis for engineering high-capacity commercial plants.

https://mb.cision.com/Main/11067/4296465/3892860.pdf

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."