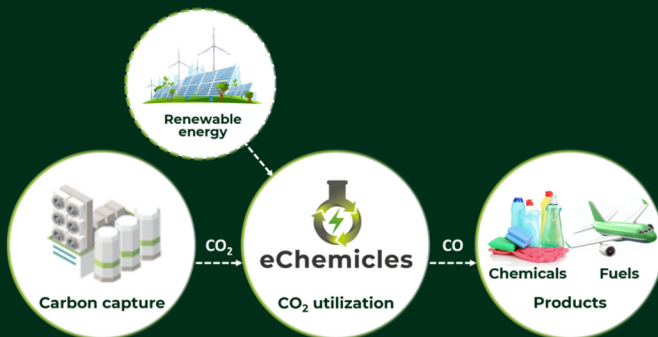


Our technology

Our electrolyser solution is the first published and patented cell stack that has been designed specifically for the electrochemical reduction of CO₂. This process is able to generate high-value products which can be readily used in the (petro) chemical value chain.



The development of our technology has reached the phase of containerized prototype. The eChemicals container was designed for testing our system with a multi-layered electrolyser stack in the context of preindustrial conditions.



How does it work?

It directly converts CO₂ into e-chemicals, such as carbon monoxide, ethylene and other products. The outstanding performance is a result of the special MEA, gas diffusion electrode, and zero-gap cell configuration, all protected by our patents, delivering results in a waste-to-wealth manner.

Our innovative stack design allows rapid scale-up and industrialization, and it can be easily integrated into already existing infrastructure.

About us



Top Innovator by Uplink of the World Economic Forum



Funding stage – Series A



EIC Transition participant



4 Laboratories



50+ Scientific publications



4 Patent families



32 Team members



We are open to collaboration!

Partnerships are a great way to validate our technology to fulfil our customers' requirements by generating the chemical product at the desired scale and efficiency.

The world's best performing and scalable low-temperature electrochemical technology

Join us on our mission

To develop innovative sustainable electrolyzers to drive the transition of the chemical industry in order to reduce its environmental impact in a profitable way!



Would you like to contribute?

We are looking for investors to join us on our scale-up journey to decarbonize the chemical industry and deliver our solution to the market.



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