eChemicles

We strive to become pioneers as an electrolyser technology provider, transforming waste CO_2 to valuable chemicals using green energy sources.

Need

- Maintain economic growth and wellbeing in an environmentally sustainable way.
- Utilize waste carbon dioxide to produce valuable chemicals in an environmentally and economically sustainable manner.
- Increasing demand for e-CO and e-Syngas to decrease the CO_2 footprint of consumer products.

Who we are

- ***Top Innovator by Uplink of the World Economic Forum***
- ***32 Team members***
- ***4 Laboratories***
- ***4 Patent families***
- ***Public & private funds raised***

Technology

- We formed a strategic partnership with Bosch Thin Metal Technologies to accelerate the mass production of our CO_2 electrolyser technology.
- We have developed the world's best performing and scalable low-temperature electrochemical technology that uses renewable energy to directly convert CO_2 into e-chemicals, such as carbon monoxide, ethylene, and other products.
- Our innovative stack design allows rapid scale-up and industrialization

Benefit

Coupling with renewable energy
- Helps balancing the intermittency of renewables
- Sustainability certification

Decarbonisation of Hard-to-Abate sectors
- Chemical production
- Aviation
- Cement
- Steel

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Stacked design & scalability
- Allows transition to larger scales without redesign
- Offers more flexible scalability compared to alternative approaches
- Modularity

Vision for CO_2 Electrolyser Expansion
- Following H_2 electrolyser & fuel cell trends, stackability implies potential for quick global adoption

Easy integration with existing infrastructure
- Faster & smoother adoption
- Retainment of exisiting assets
- Reduced initial investment costs

What are we looking for?

- **Investors** to join us on our scale-up journey to decarbonize the chemical industry and deliver our solution to the market in a timely manner.
- **Partnerships** are a great way to validate our breakthrough technology to fulfill our customers' requirements by generating the chemical product at the desired scale and efficiency.

Linkedin

Electrolysis for a Better Tomorrow!

Website