

What is Electrochaea & how does it work?

Read more Electrochaea is commercializing a grid-scale energy storage solution. Our proprietary power-to-gas (P2G) process converts renewable energy and carbon dioxide into grid-quality renewable methane for storage and distribution.

What is Electrochaea's energy solution?

Electrochaea's unique energy solution decarbonizes the gas grid and allows for the efficient and nearly unlimited storage of renewable energy for future use. Read more Our mission is to solve one of the most pressing challenges facing energy systems of the future: the integration of fluctuating renewables into the electricity grid. Read more

Who is Electrochaea?

Electrochaea is one of just 15 EIC-backed companies selected to present our innovative biomethanation technology to an international audience at the European Pavilion in Hall 1 Booth B20! Bringing together 180,000+ tech executives from more than 180 countries, #GITEXGLOBAL is the ideal event to showcase our commercial-ready cleantech solution.

What is Electrochaea's biomethanation technology?

Electrochaea's biomethanation technology, which has been proven in two demonstration plants, one in Denmark and one in Switzerland, is an ideal solution to replace fossil gas with fully renewable gas and to participate in the energy transition.

How can Electrochaea scale up its biomethanation technology to industrial scale?

With the funding provided, Electrochaea has been able to scale up its biomethanation technology to industrial scale with an archetype design of 10 MWe. The implementation will take place directly within the BioCat-Roslev project in Denmark.

How will the EIC fund impact Electrochaea?

Equity support from the EIC Fund will have a significant impact on Electrochaea's ability to deliver renewable gas to customers throughout Europe and the world. Technologies that can deliver on net-zero greenhouse emission goals need to be scaled up and brought to the market without delay.

Electrochaea has developed a commercially viable and disruptive solution for utility-scale energy storage, grid balancing, and carbon reuse. Their proprietary process converts low-cost and stranded electricity and carbon dioxide into ...

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