

## 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 technology?

Electrochaea GmbH offers a nationally and internationally patented power-to-gas key technology based on biocatalysis, which recycles CO<sub>2</sub> cost-effectively and at the same time produces biological methane that can be stored and used as required from excess electrical energy.

## 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.

Where is Electrochaea based?

The first pilot plant used on an industrial scale is successfully operating in Denmark. Plants with an output of more than one gigawatt are planned for 2025. 23 employees work for Electrochaea in Denmark and at the headquarters in Munich-Planegg. Electrochaea is strengthening its management team with two new additions.

## Can Electrochaea save the planet?

These non-hazardous, environmental champions are helping save the planet. Electrochaea's proprietary power-to-gas (P2G) process converts renewable energy into hydrogen through electrolysis.

Electrochaea is commercializing a disruptive, scalable technology to convert electric power into methane, the principal component of natural gas. Using CO<sub>2</sub> as a feedstock gas, power can be efficiently converted to renewable natural ...

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Electrochaea's P2G process is so flexible that it can help stabilize the electricity grid through the provision of



## Electrochaea gmbh Bahrain

reserve energy and frequency regulation. And because carbon dioxide is used as a feedstock in the process, our renewable ...

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