

October 30, 2015. An innovative power-to-gas technology has the potential of increasing the current biogas production in Europe enormously by enabling cost-effective methods to convert CO₂ from biogas production and excess electricity from wind and solar into natural gas. The large-scale ForskEL demonstration project, BioCat, is located at BIOFOS, who operates three of the ...

Electrochaea's technology combines carbon dioxide - which can come as a pure separated stream or as a component in raw biogas - with green hydrogen made from renewable electricity to produce BioCat Methane, a low-carbon intensity drop-in substitute for fossil natural gas in a proprietary, flexible and scalable system. ...

Electrochaea, Carbonaxion Bioenergies and Energir are joining forces to develop an innovative Power-to-Gas (P2G) project in Quebec, Canada. This collaboration leverages Electrochaea's market-ready bio-methanation technology to convert renewable electricity into renewable methane. ... Electrochaea GmbH Semmelweisstrasse 3 Planegg, Germany ...

The Electrochaea GmbH shall no longer process the personal data in the event of the objection, unless we can demonstrate compelling legitimate grounds for the processing which override the interests, rights and freedoms of the data subject, or for the establishment, exercise or defense of ...

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Munich, 26.08.2024 - After three years, Electrochaea, a leading power-to-gas company, has successfully completed the EIC Accelerator program, which is co-funded by the European Innovation Council (EIC) and supports innovative companies in bringing their products and services to market. ... Electrochaea GmbH Semmelweisstrasse 3 Planegg ...

Electrochaea GmbH delivers innovative, patented technology to produce high-quality, carbon-neutral methane that, like natural gas, can be stored and used on demand through the existing grid. Electrochaea developed the patented BioCat methanation process. Using this process, renewable methane is synthesized from CO₂ and H₂ by the patented ...

Electrochaea GmbH is a dynamic, growth-stage company with headquarters, engineering and development teams in Munich, Germany. Electrochaea's subsidiaries are in Denmark and the United States. About us. Electrochaea GmbH Semmelweisstrasse 3 Planegg, Germany Phone: +49 89 3249 3670

Electrochaea GmbH Semmelweisstrasse 3 82152 Planegg Germany Tel.: +49 (0) 89 / 32 49 367-34 E-mail:

rebekka.hausemer@electrochaea . About Our Management Team Mich Hein, Ph.D. (CEO, Managing Director) As an inventor, entrepreneur and corporate executive, Mich has 40 years experience in technology development and commercialization. ...

Electrochaea is pleased to announce the commissioning of its power-to-gas demonstration facility in Foulum, Denmark. Using a 10,000-liter bioreactor, the project showcases the world's largest power-to-gas demonstration facility based on biological methanation. The project is operated by Electrochaea.

Electrochaea has completed the engineering for the first standardized 10 MWe biomethanation plant designed for commercial operation. A 10 MWe plant can produce several million cubic meters of renewable synthetic methane per year that replaces any use of fossil natural gas. ... Electrochaea GmbH Semmelweisstrasse 3 Planegg, Germany Phone: +49 89 ...

Sirius Venture Partners GmbH is a German venture capital company focusing on technological growth markets. It concentrates on venture capital investments in companies from seed to early expansion phases with an outstanding growth ...

Electrochaea GmbH offers a nationally and internationally patented power-to-gas key technology based on biocatalysis, which recycles CO₂ cost-effectively and at the same time produces biological methane that can be stored and used as required from excess electrical energy. The first pilot plant used on an industrial scale is successfully ...

Electrochaea, the world's leading technology provider for the production of carbon-neutral and fossil-free synthetic biomethane, today announced that it has entered a Cooperative Research and Development Agreement (CRADA) with the Lawrence Livermore National Laboratory (LLNL) and SoCalGas. ... Electrochaea GmbH Semmelweisstrasse 3 ...

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 ...

Electrochaea's P2G process is so flexible that it can help stabilize the electricity grid through the provision of reserve energy and frequency regulation. And because carbon dioxide is used as a feedstock in the process, our renewable gas can reduce greenhouse gas emissions by up to 50%. ... Electrochaea GmbH Semmelweisstrasse 3 Planegg ...

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