

## Press Release

# Electrochaea wins Recognition on Global Cleantech 100 List

**Planegg, 04.02.2019** - Electrochaea, the world's leading supplier of power-to-methane technology solutions, is among the top 100 Cleantech companies worldwide. The renowned US-based Cleantech Group announced, on January 28 at the 17th Cleantech Forum in San Francisco, the list of companies with the most innovative solutions for a cleaner and more sustainable energy future. A jury of experts selected 100 Cleantech companies from 13,900 proposals worldwide in a multi-stage process.

Electrochaea has developed and brought to market a technology that converts electricity from wind and solar power into large quantities of storable biomethane with an efficiency of up to 80 percent. Biomethane has the same properties as natural gas and can be used just as flexibly - but is CO<sub>2</sub>-neutral. The reason: The company, based in Planegg near Munich, Germany, uses the metabolism of a microorganism, called Archaea, to produce biomethane (CH<sub>4</sub>) from hydrogen (H<sub>2</sub>) and carbon dioxide (CO<sub>2</sub>). Hydrogen is produced by electrolysis using wind and solar power. The CO<sub>2</sub> can be supplied from various industrial processes in which CO<sub>2</sub> is emitted, such as in sewage and cement plant processes and in landfill or biogas plants. In this way, companies could significantly reduce their CO<sub>2</sub> footprint and thus acquire fewer costly CO<sub>2</sub> certificates.

### **One technology, several advantages**

Electrochaea has succeeded in bringing a stable and economical technology to market; several challenges of the energy system transformation are addressed at the same time. Biomethanation enables CO<sub>2</sub> capture, immediate reduction of industrial CO<sub>2</sub> emissions, and storage and transport of renewable energy in almost any quantity within the existing natural gas infrastructure. The technology can also make a significant contribution to balancing fluctuations in supply and demand for electricity. And, the biomethane can be further processed as an alternative fuel.

### **Nine more Cleantech companies from Germany were also recognized**

Besides Electrochaea, there are nine more Cleantechs from Germany on the list: Skeleton Technologies, Sonnen, Hydrogenious Technologies, Sunfire, Kiwigrid, tado, Liliium, Ubitricity and Thermondo. A top result for Germany as a location for Cleantech.

**Francesco di Bari, CFO and Head of Business Strategy at Electrochaea:** *"Placement on the Global Cleantech 100 gives us worldwide recognition and confirms that we are on the right technological and entrepreneurial track. Without the excellent international team of microbiologists, chemists, biotechnologists and engineers and without the right investors, such a development in such a short time would not have been possible. The fact that ten Cleantechs come from Germany is also a great success for the region."*

**About Electrochaea GmbH:** Electrochaea offers a nationally and internationally patented power-to-methane key technology based on biocatalysis, which cost-effectively recycles CO<sub>2</sub> and at the same time produces biological methane that can be stored and used at will from excess electrical energy. The first pilot plant on an industrial scale is operating successfully in Denmark. Another plant was opened in Solothurn, Switzerland in 2019. A plant in Colorado, USA is about to be commissioned. By 2025, plants with an output of more than one gigawatt are achievable. Electrochaea has 20 employees at the headquarters in Munich-Planegg, and in Denmark. **Further information and images:**  
[www.electrochaea.com](http://www.electrochaea.com)

**Pressekontakt:**

Anna Bornschlegel, Electrochaea GmbH,  
+49 (0)89 32 49 367-34, [anna.bornschlegel@electrochaea.com](mailto:anna.bornschlegel@electrochaea.com)