

# Job Opening

## Process Development Engineer (M/F/D, full time)

### Overview

Electrochaea GmbH is a young and dynamic company with corporate offices in the USA, Denmark and Germany. In collaboration with our strategic partners and investors, we are developing a novel technology for generating renewable natural gas and for storing renewable electricity from wind or solar energy. The Company is commercializing this power-to-gas technology in markets with high penetration of wind and solar energy (Denmark, Sweden, Germany, Benelux countries, UK, California, etc.), where the intermittent nature of renewable energy sources leads to prolonged periods of excess electricity production. Favorable markets are also defined in terms of electricity prices, incentive schemes and existing infrastructure. The core of the technology is a proprietary microorganism, a methanogenic Archaea, which efficiently converts hydrogen and carbon dioxide into pipeline grade methane.

For our headquarters near Munich, we are looking for team members with a sense of responsibility and initiative who appreciate an innovative work environment and enjoy working in an international team.

### Location

Planegg (Munich), Germany

### Position

Electrochaea is seeking an innovative, hands-on, and entrepreneurial Process Development Engineer in Munich. As part of the development team, you will be part of a dynamic, international and multidisciplinary team, working with an innovative new technology with international appeal. You will ensure significant process and quality optimization with a strong focus on physical-chemical process parameters and implementation of suitable process analytics.

Core duties of this position include:

- Further develop and optimize process-water recycling strategy
- Operate and optimize operation of alternative reactor designs
- Help define strategic R&D goals and develop research agenda and budget
- Maintain a safe, well organized, and productive research and development facility
- Develop and assist in the prosecution of existing and new intellectual property
- Support the business development team in pursuing new client projects
- Provide written summaries of development activities, including reports, inventions, and SOPs
- Work in close collaboration with engineering and business development teams to support growth of the business

### Qualifications

The ideal applicant has the following qualifications and capabilities:

- University degree in Chemical Engineering, Environmental Science, Biotechnology, or related discipline
- Significant industrial experience preferably in start-up or SME
- Deep understanding of chemical and physical processes, ideally with a biotechnology background

- Strong ability to analyze technical problems in a solution-oriented manner
- Expertise in handling bioreactors (gas fermentations) and scale-up of bio processes
- Ideally, previous publication or patent record in disciplines related to the position
- Written and verbal fluency in English required for scientific and business communications. One other European language preferred
- Knowledge of work and safety regulations (?)
- Demonstrated ability to work in cross-disciplinary, international and matrix managed teams
- Strong communication skills with business and scientific audiences

The successful candidate is expected to pursue an innovative, rigorous, and collaborative technology development program to support business objectives. This position provides a unique opportunity for growth in the Company and collaboration across multiple business disciplines, suppliers, customers, and the scientific community while supporting the development of a new and growing business.

### **Application Process**

Please send a Curriculum Vitae, plus a letter of application/intent to the following email: [jobs@electrochaea.com](mailto:jobs@electrochaea.com). Supporting documents (references, diplomas, etc.) will be requested following an initial successful interview.