

Job Opening

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

Overview

We are a clean-tech growth-stage company that contributes to making the world more sustainable and emission-free. Our innovative power-to-gas (P2G) technology converts renewable energy and carbon dioxide into renewable methane that can displace fossil natural gas and dramatically reduce greenhouse gas emissions. The Company has won many awards around the world and most recently, we were included in the Global Cleantech Ranking of the world's 100 most innovative and promising companies whose technology will contribute to achieving the zero-emissions goal. In March 2022, we completed our Series D financing round of €36 million. Since our foundation in 2014, our international team has grown to a total of about 50 employees. Our headquarters are in Planegg, south of Munich, and we also have subsidiaries in the USA and Denmark.

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 participate in 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:

- Operating and monitoring of pressurized laboratory pilot plant and bioreactors aimed at process optimization.
- Managing start-up, shutdown, and operations of facility equipment.
- Performing preventive maintenance.
- Training new hires and cross-training other staff members on system operation, safety and maintenance.
- Operate and optimize operation of innovative bioreactor 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
- Provide written summaries of development activities, including reports, inventions, grant applications and SOPs (standard operating procedures)
- 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 laboratory safety regulations
- Demonstrated ability to work in cross-disciplinary, international and matrix managed teams.
- Strong communication skills with business and scientific audiences

Our proposal:

- A job that 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.
- An attractive salary package, subsidy for public transport costs and fitness club membership
- Fun and joy working in our young and diverse team as well as a cosmopolitan, innovative corporate culture.
- Great team events, free food/fruits and always fresh coffee and tea!

Application Process

Please send a Curriculum Vitae, plus a letter of application/intent to the following email:

jobs@electrochaea.com. Supporting documents (references, diplomas, etc.) will be requested following an initial successful interview.