

Internship Process or Chemical Engineering (m/f/d)

You will meet us where the future is built: at McPhy Energy Germany. We are a subsidiary of the McPhy Energy SA group. Our headquarter is located in France. But we operate all over the world - as a producer of pioneering system solutions for mobility and energy plants, we supply cities and industries with carbon-free hydrogen. Our team? That's more than 150 motivated colleagues worldwide: passionate engineers, technical talents, pioneers in their field. Our drive? Developing fresh energy to combat climate change. For people and for our future.

Do you not only want to become part of McPhy, but also part of a professional adventure? We look for an **Intern (internship, work student) (m/f/d)** to help us understand what technologies alternatives to pressurized alkaline technology may be considered to address the different segments of the Electrolyzer market. The position is located to our Engineering Competence Center Wildau near Berlin.

Our Energy Offer

- Flexible working hours
- Appreciative cooperation in an international team
- Strong cohesion
- Flat hierarchies
- Good mobility (bus & train)
- Close to the Wildau university
- Attractive region with high recreational value

Your Tasks

- Analysis of the detailed cost structure of alternative technologies to Pressurized Alkaline: Proton Exchange Membrane (PEM) and solid oxide Electrolyzer (SOEC), including break-down of stack components cost.
- Evaluation of cost sensitivity depending on raw material cost hypotheses (e.g noble metals)
- Understanding of “potential of improvement” of the technology in the future, especially to supersede alkaline technology as reference technology on the middle / long term
- Identification of main technology differences between competitors using the same technology (PEM or SOEC)
- Identification on added value of the technologies on the electrolysis market, especially for the low CAPEX (Capital Expenditure) market segment (mobility, industry with renewable fed electrolyzer)

- Define features of technologies to be developed internally or acquired through M&A (Merge & Acquisition) to address the market where these technologies are more competitive than HP alkaline technology

Your Profile

- Bachelor Graduated, but doing Master (Master's Degree and/or PhD), with speciality in process or chemical engineering, and knowledge about renewable energy
- Ability to understand highly complex technologies, and cost / efficiency challenges related to a highly competitive environment.
- Very good MS Office knowledge
- Very good oral and writing communication skills in German and English
- Ability to deal with intercultural challenges
- Autonomy, curiosity and forward-looking action complete your profile

Be there - and let's get in touch!

Were we able to convince you of these responsible tasks and our innovative environment? Then we look forward to receiving your application for this offered internship soon. Simply send your CV (preferred in English), relevant certificates and the earliest start date by E-mail (bewerbung@mcphy.com) to **Mario Josic**.



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