

## 23J012 - Internship proposal

### **Title: Analyzing the technology and market developments in green ammonia production**

Are you interested in working on Green Ammonia Production and its Market Analysis?

The European Institute for Energy Research EDF-KIT EWIV (EIFER) is looking for a

**Trainee (f/m/d)**

in the research group “Low carbon hydrogen systems”.

The European Institute for Energy Research was founded by EDF and the KIT in 2002 aiming at enhancing collaboration through joint projects applied to industrial issues and utilities' needs. With its applied research orientation EIFER is bridging the gap between science and industry for more than 20 years. In the context of the European energy transition, EIFER provides research-based innovative energy solutions for the sustainable development of cities and communities, economic activities, and territories.

### **The assigned tasks involve**

- Analyzing different technologies and providers in green ammonia production
- Evaluating efficiency, scalability, environmental impact, cost competitiveness and market readiness of ammonia production pathways
- Assisting in the techno-economic analysis of ammonia production processes
- Utilizing modeling tools to simulate, optimize and assess feasibility of production pathways
- Tracking Green Hydrogen and Ammonia Selected Plants
- Conducting literature and market analysis of real projects
- Analyzing performance, challenges and successes of selected plants
- Identifying key factors for successful implementation and operation of Ammonia Plants

### **Required qualifications / skills / interests**

The position is aimed at Master-students in technical/economics sciences with engineering background who have:

- Interest in the fields of energy, sustainability, hydrogen and ammonia production
- Proficiency in techno-economic modeling and analysis is an advantage
- Programming skills in Python are not required but would be advantageous
- Fluency in English
- Ability to work autonomously

### **What you can expect**

- A stimulating, multicultural and multidisciplinary environment
- An institute at the intersection between academic research and one of the largest energy utilities in Europe
- If the opportunity arises: participation to conferences, involvement in scientific publications

## Conditions

- Duration: 3 months-6 months
- Starting date: as soon as possible
- Location: EIfER, Emmy-Noether-Str. 11, 76131 Karlsruhe, Germany
- Working hours: 39.5 hours per week
- Monthly compensation: 520 € for a compulsory internship

## Contact

If you want to join a highly motivated research group, please forward your electronic application with one single pdf of max. 5MB including all relevant information (curriculum vitae and cover letter) to [jobs@eifer.org](mailto:jobs@eifer.org). **Please refer to the offer number 23J012.**

For additional information concerning the work please contact: Vipin Devaraj  
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