

Job position 23J005

The European Institute for Energy Research EDF-KIT EWIV (EIFER) is looking for a
Research Engineer (m/f/d)

in Hydrogen and derivatives business model & energy infrastructure modeling to strengthen the research group ***“Low Carbon Hydrogen Systems”***.

The position is based in Karlsruhe with a duration of initially 2 years starting as soon as possible. The salary is based on qualifications and experiences according to TV-L (100%).

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.

With its applied research orientation EIFER is bridging the gap between science and industry since more than 15 years. In the context of the European energy transition, EIFER provides research-based innovative energy solutions for the sustainable growth of cities, local communities and industries.

You will be part of the Low Carbon Hydrogen Systems research group with around 20 researchers. The activities include research and innovation along the whole chain value of Hydrogen technologies, from the development of advanced components to the qualification of integrated system module performances & reliability through our laboratories and on-field prototyping sites. They are fostered by a smart network of academic and industrial partners and a commitment in several national (French and German) and European funding research projects dealing with low carbon hydrogen production and usages.

Your tasks will be

As a member of the Group *Low Carbon Hydrogen Systems*, you will be involved in:

- Hydrogen and efuels (related to carbon dioxide valorization and ammonia process) economy and policy
 - Regulation & standardization
 - Screening of ecosystem (local key players like consumers and producers' projects, local needs etc.)
 - Market surveys & development of prospective scenarios
- Technical and economic analysis in pre-feasibility studies and call for tender
 - Total cost of ownership
 - Levelized cost of energy (LCOE, LCOH, LCOF)
 - Return of investment
- Hydrogen and efuel related-R&D/industry activities or sub-projects
- External presentation of activities, literature and conference contributions
- Support contacts and approaching new customers and project partners
- The support to planning/construction phase of hydrogen and efuels solutions (infrastructure design modeling)

What we expect

- A Master's degree in engineering with a focus on energy
- Professional experience and/or knowledge in the field of hydrogen value chain and synthetic fuel processes (in particular methanol, ammonia and/or kerosene)
- Knowledge in data treatment & analysis
- Experience in the acquisition, processing and management of research or industrial projects
- Strong analytical skills and critical thinking
- Ability to work meticulously both independently and as part of a team
- Ability to communicate and work in a team, enthusiasm, reliability and independent working style
- The position requires a strong ability for team work in a multicultural environment
- Excellent command of written and spoken English
- German or French language skills will be considered an advantage

What we offer

- An international environment as well as a pleasant and open working atmosphere
- Flat hierarchies and short decision paths
- Exciting, responsible tasks and cross-team project work

Would you also like to advance applied energy research?

We look forward to receiving your electronic application with one single pdf of max. 5MB (including motivation letter, CV, copies of certificates and testimonials) **by March 31, 2023** by e-mail: jobs@eifer.org with reference to the offer 23J005.

To learn more about EIFER, please visit our website at: www.eifer.org

For additional information, concerning the work please contact:

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