

Join The Aviation Think Tank!



Have you ever wondered what tomorrow's air transport might look like? As the aviation think tank in Germany – consisting of young and ambitious experts from various disciplines – our goal is to provide science-based answers. Located in Taufkirchen near Munich, we offer a modern working environment with open ears and doors. We are always looking for passionate and creative minds to help us push today's boundaries to new heights. **Shape the future of aviation with us today and join us as:**

Researcher (m/f/d) in the Field of Process Engineering, Chemistry or Physics: Electric Energy and Fuel Options for a Climate-Friendly Aviation System

Our challenges:

- Searching for the most promising technical options to achieve climate neutrality: evaluation of key performance parameters of electric energy systems or future aviation fuel pathways
- Evaluation of production potentials, ecological and techno-economic criteria as well as other performance indicators
- Life-cycle analysis (LCA) based on process and system modelling for production of electrical energy systems (e.g. batteries), green hydrogen and/or advanced sustainable aviation fuels (SAF) from direct CO₂ air capture (DAC) or biomass, possibly linking it to climate impact metrics
- Holistic comparative evaluation of technologies and transition pathways to 100% renewable energy in aviation
- Communication of advanced insights and recommendations through journal publications, conferences and media channels

What to expect:

- International team with a high qualification level
- Acknowledged research institution – with our feet on the ground and our thoughts in the air
- Interdisciplinary cooperation of engineers, natural and social scientists
- Modern working environment on the Ludwig Bölkow Campus in Taufkirchen near Munich
- A team-oriented working culture
- Flat hierarchies and short communication paths
- Challenging tasks
- Varied, creative activities
- Opportunities to enhance and widen competencies

We need you because:

- You have successfully completed your M.Sc. and wish to obtain a PhD
- You bring scientific creativity in combination with quantitative analytical and programming skills to the team
- You are familiar with sustainability aspects of renewable energy technologies and you have proven that you can work your way into new topics
- Ideally you are already familiar with life-cycle and/or cost analysis, production processes of batteries or synthetic fuels
- You enjoy process modelling of life-cycle pathways
- You are passionate about giving scientific answers to introducing renewable energy and fuels in aviation
- You are interested in multidisciplinary, target-oriented tasks within joint academic or industry projects
- You are proficient in German or English

What we offer:

- Attractive salary package according to the public tariff system plus performance-oriented compensation
- Company pension schemes
- For junior scientists: the opportunity to pursue a doctorate
- Professional training (in-house and/or external seminars)
- Work-life balance due to flexible working hours and home office option
- Subsidised canteen and modern internal cafeteria
- Occupational Health Management
- Company sports (gymnastics, football, running group)
- Car park and good accessibility by public transport

The position is to be filled immediately and initially fixed-term. As we wish to increase the share of women in the team, we would be particularly interested in receiving relevant applications. People with disabilities will be given priority in the case of equal qualifications.

We look forward to receiving your application!

✉ application@bauhaus-luffahrt.net

Please indicate the reference number 24-1-15.

Do you have any questions?

Michaela Richter will be happy to help:

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www.bauhaus-luffahrt.net/en/career