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:**

Student (m/f/d) in Aerospace Engineering for a Bachelor's Thesis / Term Paper / Master's Thesis

Scope: Development of a hydrogen turnaround simulation

Your tasks:
- Literature review focusing on airport turnaround processes as well as the impact of hydrogen on these processes
- Review of the existing conventional turnaround simulation written in Java
- Transition of existing code to Python and integration of the tool into the Bauhaus Luftfahrt Aircraft Design Environment (BLADE)
- Further development of tool with an increased depth, e.g. considering the actual aircraft geometry defined in CPACS
- Integration of hydrogen processes into the turnaround tool
- Validation of tool for existing aircraft
- Studies regarding the impact of hydrogen on the turnaround process for different aircraft and scenarios

Your qualification:
- You are an enrolled university student (m/f/d) in Aerospace Engineering or a related field
- You are passionate about aircraft and airport operations
- You possess experiences in Python and/or Java
- Preferably you have prior experience with object-oriented code development
- Your English is of good level both spoken and written

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

What we offer:
- Work-life balance due to flexible working hours
- Subsidised canteen and modern internal cafeteria
- Company sports (gymnastics, football, running group)
- Car park and good accessibility by public transport

We look forward to receiving your application!
✉ application@bauhaus-luftfahrt.net
Please indicate the reference number 21-9-59.

Do you have any questions?
Michaela Richter will be happy to help:
☎ +49 89 3074-84919
www.bauhaus-luftfahrt.net/en/career