

## The future of flying starts with us. And with you.

Re-think the way we fly. In an international think tank, at the highest professional level. With experts from various disciplines that come together in fascinating ways. Ready to always improve on the good, to think beyond the beaten path, constantly asking questions – and thereby challenge the pioneering spirit anew every day. In a young, modern working environment with open ears and doors.

That's who we are, Bauhaus Luftfahrt in Taufkirchen near Munich: around 50 colleagues whose work is backed by the four aviation companies, Airbus, IABG, Liebherr-Aerospace and MTU Aero Engines as well as the Free State of Bavaria. We investigate the future of mobility, particularly the long-term development of aviation. In doing so, we take into account technical, economic, social and ecological aspects equally.

Our benefits package encompasses a family-friendly flexitime agreement, an attractive salary package in the public tariff system with company pension provision and a range of health programmes.



### ► Future Aircraft Design Engineer (m/f/d)

Aeronautical / Aerospace / Mechanical Engineer (m/f/d)  
as scientific employee

#### Your tasks:

- As a member of the interdisciplinary team "Visionary Aircraft Concepts" you will do research in the field of aircraft design to evaluate future aircraft incorporating novel system technologies powered by, e.g., kerosene, batteries, or hydrogen
- Specifically, you will perform aircraft sizing, architecture studies, trade studies, and optimisation
- In cooperation with industrial partners and international research institutions, you will work on joint projects in the field of aircraft and system design
- With increasing experience you will take responsibility for project coordination
- In an interdisciplinary team you will contribute your ideas as an aircraft designer to internal projects

#### Your qualifications:

- You have successfully completed your studies in Aeronautical / Aerospace or Mechanical Engineering
- You intend to obtain a PhD degree
- You have already gained experience in the fields of aircraft design and performance calculation, and, if possible, propulsion system design
- You have excellent mathematical and analytical skills, good programming skills in Python and are willing to familiarise yourself with new topics and tools
- Ideally, you also have knowledge of CPACS, TiGL, TiXI, RCE, and multidisciplinary optimisation methods
- Creativity, reliability, preciseness, and self-reliance are among your strengths
- You are interested in target-oriented tasks and in working in an interdisciplinary team
- You are proficient in German and English

Please apply by April 30<sup>th</sup> 2022.

The position is initially fixed-term. We will support your academic development, as part of a PhD where applicable.



#### We look forward to receiving your application!

✉ [bewerbung@bauhaus-luftfahrt.net](mailto:bewerbung@bauhaus-luftfahrt.net)

Please indicate the reference number 21-1-12

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.

#### Do you have any questions?

Michaela Richter will be happy to help:

☎ +49 89 3074-84919

[www.bauhaus-luftfahrt.net/karriere](http://www.bauhaus-luftfahrt.net/karriere)