

Student Assistant/ HiWi

Thermal design of critical components in electrified aircrafts

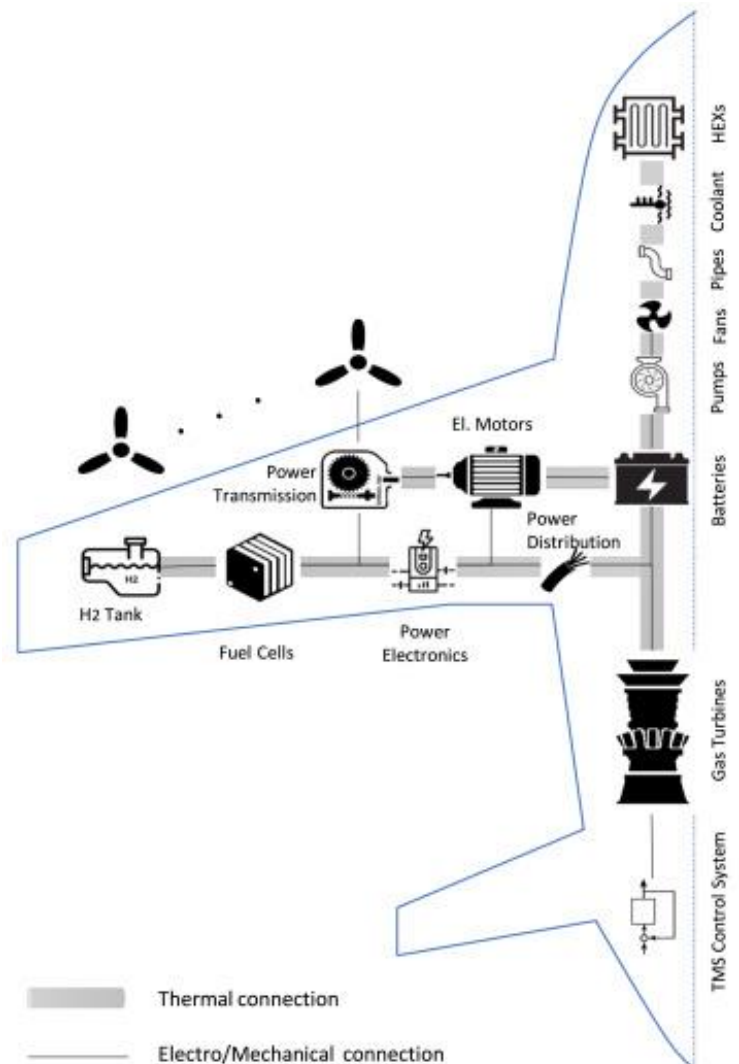
The Chair of Aeroengine Design (FTD) is seeking highly motivated individuals with a strong background in electrical/ aerospace/ thermal and mechanical engineering to work on OD modelling of electrical components (batteries, power electronics, electrical machines, fuel cells etc.)

Expected qualifications:

- Strong background in electrical, aerospace and mechanical engineering.
- Ability to develop OD thermal models using MATLAB Simulink & Simscape.
- Satisfactory programming and coding skills (Python, MATLAB etc.).
- Willingness to work in a team and individually.
- Technical writing (preferably Overleaf) to support and contribute in research publications.
- Prior knowledge in sizing of electrical components is highly appreciated.

What we offer:

- Working in an international team.
- Flexible working schedule.
- Possibility of extending the research as a master thesis
- Co-authoring research papers for conferences and scientific journals.
- Compensation as per the Tarifvertrag TV-L for minimum 8 hours/week basis.



Source: Asli 2024

➤ Is this something you would like to work on?

Kindly send an email to dikshant.sharma@b-tu.de with your **one-page** resume/ CV.

Earliest start date: **15.07.2025**

Application deadline: **09.06.2025**