

## SUMAFly II – Sustainability Modeling and Analysis of Future aircraft systems II

### Project Description

The project SUMAFly II aims to develop and apply life cycle sustainability assessment methods for future aircraft concepts to analyze environmental, economic, and social sustainability aspects, and to support decision-making in the early stages of aircraft development. The focus of SUMAFly II is the extension of the modeling, assessment, and analysis of powertrain concepts carried out in the original SUMAFly project to the entire aircraft in all life cycle phases.

Specific tasks at the Institute of Machine Tools and Production Technology will be:

- Environmental analysis and assessment of aviation concepts
- Visualization of life cycle inventory data and results of sustainability assessment

### Requirements

- Successfully completed university degree in the field of engineering (mechanical engineering, environmental engineering, aerospace), industrial engineering or a related field
- Experience in the field of life cycle assessment and sustainability assessment
- Experience in the field of aeronautics (preferable)
- Very good command of English, written and spoken, and preferably also of German
- Interest in working in international & diverse teams

### Contact

The position is open at the [Institute of Machine Tools and Production Technology](#), Chair of Sustainable Manufacturing and Life Cycle Engineering at TU Braunschweig.

For further information & inquiries, please reach out to Dr. Cerdas: [f.cerdas@tu-braunschweig.de](mailto:f.cerdas@tu-braunschweig.de)

Please send your comprehensive application by 07.05.2023 to: [c.herrmann@tu-braunschweig.de](mailto:c.herrmann@tu-braunschweig.de)

### Further information

The entry date is as soon as possible, and the duration of employment is limited to 6 months. The position is part-time with 50% of the regular weekly working time (currently 19,9h). Ongoing applications are possible until all positions are filled.

The payment is made according to task assignment and fulfillment of personal requirements to salary group EG 13 TV-L. International applicants may have to successfully complete a visa process before hiring can take place. Candidates with handicaps will be preferred if equally qualified. Please enclose a proof. The position is part of the SE<sup>2</sup>A International Female Programme, so only applications by female graduates of non-German universities are possible.

All documents should be in PDF format, preferably in a single file. Personal data and documents relating to the application process will be stored electronically. Please note that application costs cannot be refunded.