

For our Team, we are looking for a

## Thesis Candidate (Master Thesis) for the Development of a Hardware-In-The-Loop Simulation Environment for the Avionics System of an Airship

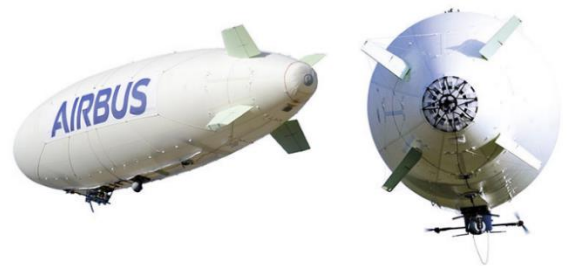
The Institute of Flight System Dynamics is looking for a thesis candidate (Master Thesis) to aid in the development of a Hardware-In-The-Loop (HiL) Simulation Environment for the Avionics System of an Airship. The Simulation will be used to develop and verify the different functions for airship operations on the physical airborne hardware used in flight.

### Your Tasks Include

- Configuration of the HiL Realtime PC.
- Integration of a unified airship flight dynamics simulation model.
- Setup of the visualization environment.
- Integration of avionics components into the simulation.

### Requirements

- Experience with electronics and communication protocols
- Experience with Matlab/Simulink
- Ability to perform part of the work in person (Garching Forschungszentrum)
- Basic knowledge of aerodynamics and/or flight dynamics helpful
- Currently enrolled at the Technical University of Munich
- Motivated and committed student with an independent and self-reliant work style



Source: [www.intelligence-airbusds.com](http://www.intelligence-airbusds.com)

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