



## Literature Review on Hydrogen Fuel Systems

Task for an *Internship*

### Background

This internship takes place as part of the aircraft design research project "Green Freighter" on unconventional cargo aircraft with alternative propulsion systems. One aspect of this research project is the investigation of liquid hydrogen as fuel. The internship takes place in Hamburg at Bishop GmbH and at Airbus GmbH. Place of work will be at both company locations.

### Task

The intern shall undertake a literature review based on published literature and research results from previous Airbus projects.

The work shall include

- descriptions of different hydrogen fuel systems and system components,
- technical challenges stemming from hydrogen fuel systems and possible solutions,
- means to quantify the mass and volume required for the different components.

The results shall be presented in a technical report that has to be written according to German or international standards on report writing.

### Contact

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You may contact Bishop GmbH by phone on +49-40-866258-10 and refer to "Green Freighter Internship".

### More Information

The "Green Freighter" project is coordinated at Hamburg University of Applied Sciences. Information on the project: <http://GF.ProfScholz.de>  
Contact Prof. Dr. Scholz or Kolja Seeckt ([Seeckt@fzt.haw-hamburg.de](mailto:Seeckt@fzt.haw-hamburg.de); +49-40-42875-7910) for more information on the technical contents of the work.