



Green Freighter

Funding: BMBF

Development and evaluation of environmentally friendly and cost effective cargo aircraft with unconventional configuration.



Monitoring with Integrated Reconfiguration

Funding: LuFo-Hamburg

Reconfiguration and Condition Monitoring of cabin systems.



Contact

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<u>Aircraft Design</u> and Systems G<u>ro</u>up



http://Aero.ProfScholz.de

Aero

is part of the research focal point "Aeronautical Engineering" at Hamburg University of Applied Sciences.

Aero has currently five positions for research assistants in full time employment. Projects are GF, PreSTo, ALOHA, PAHMIR, CARISMA and Airport 2030.

Student assistants and students with project or thesis work contribute to the work of the group.

Aero's aim is to guide research assistants to cooperative dissertations and to conduct funded projects in research, development and teaching (Short Courses).

PreSTo



GARISMA

<u>Preliminary Sizing Tool</u>

Funding: HAW Hamburg

CARISMA

Spreadsheet calculation for Aircraft Design.

Aircraft <u>Ca</u>bin and Cabin System <u>R</u>efurb<u>is</u>hing -Opti<u>m</u>iz<u>a</u>tion of Technical Processes

Funding: ELAN GmbH, UPB Bucharest

Optimization of the process chain and tools for cabin design and conversion activities with Knowledge Based Engineering.





<u>A</u>ircraft Design for <u>Lo</u>w Cost Ground <u>Ha</u>ndling

Funding: BMBF

Development of aircraft for optimized ground handling and DOC with focus on LCA.

Airport 2030 Airport 2030 WP 4.1

Aircraft Designs for Scenario 2015

Funding: BMBF (Aviation Cluster Hamburg)

Optimizing of aircraft for 2015 with the target of efficent ground operation, low DOC, noise and emissions.