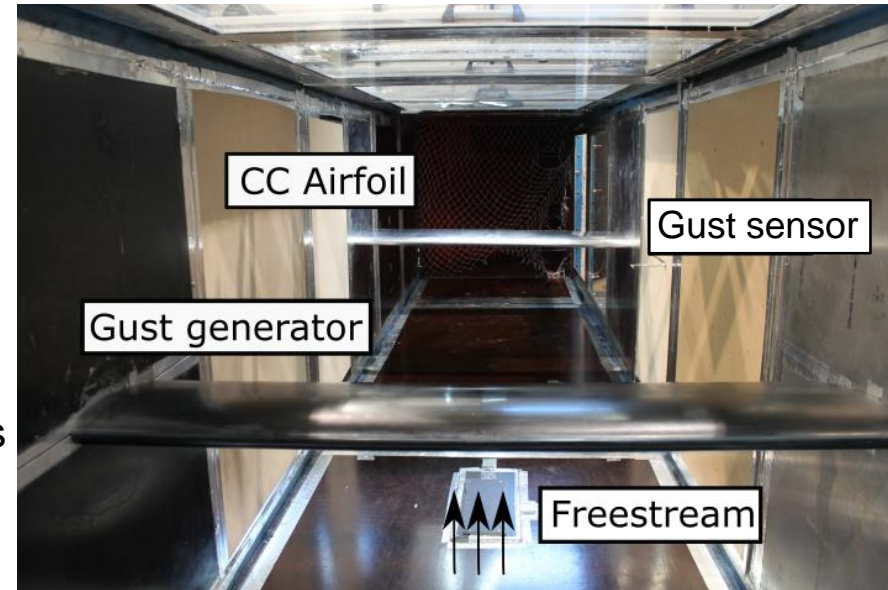


Student Thesis Project (Master thesis / Studienarbeit)

Goal: Experimental gust and flow control characterization for active load alleviation

Tasks:

- Literature survey on aircraft aerodynamics, flow control, and measurement techniques
- Setup and execution of a wind tunnel test with a gust generator and existing 2D Coanda-type circulation control model
- Measurements of lift due to gusts and flow control over a range of actuation frequencies
- Optional: active gust load alleviation tests



Requirements:

- Basic knowledge in aircraft aerodynamics
- Interest in practical application of measurement techniques and wind tunnel testing

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