

Project Taifun 17 H₂

a step towards Zero Emission Flight



taifun 17 H₂

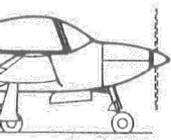


The Project

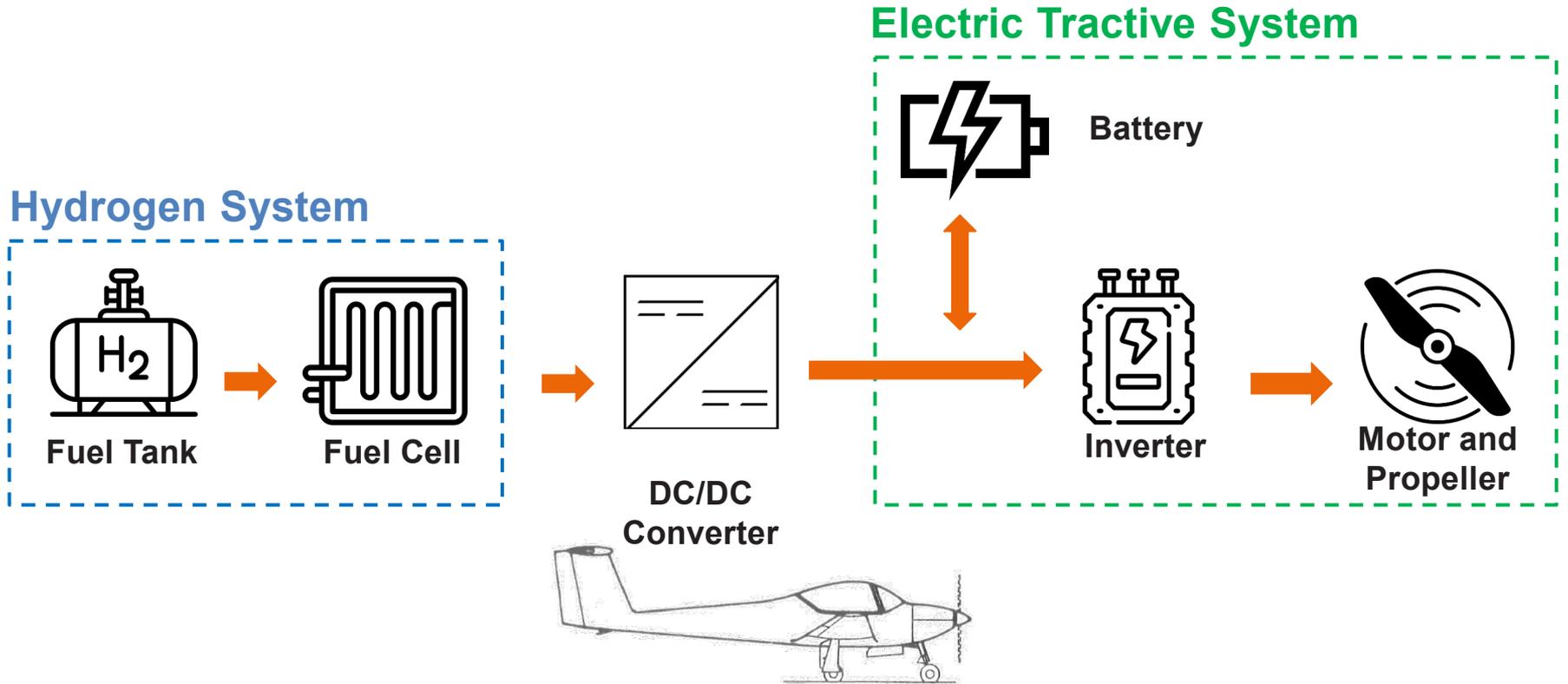


The Project

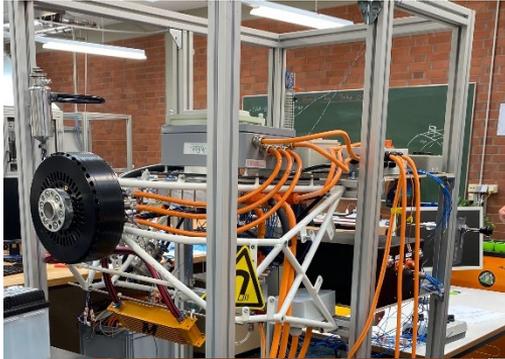
- potential of CO₂-saving in General Aviation
- development of a hydrogen based tractive system for lightaircrafts
- implementation in TMG Taifun 17
 - two seats
 - MTOW: 820 kg
 - max. cruising speed: 205 km/h
 - max. power output: 80 hp (58,8 kW)
 - fuel capacity: 2x45 l



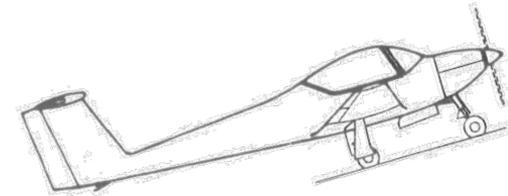
The Taifun 17 H₂ – Powertrain



The Taifun 17 H₂ – Current State



- optimized packaging
- subsystem functionality tests
- ground tests before
- cooperation with LBA

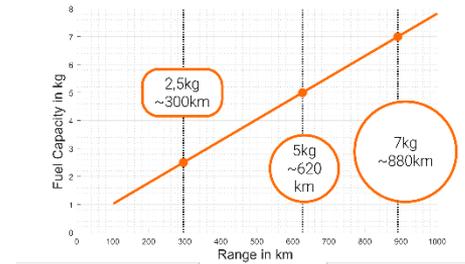


The Taifun 17 H₂ – Current State

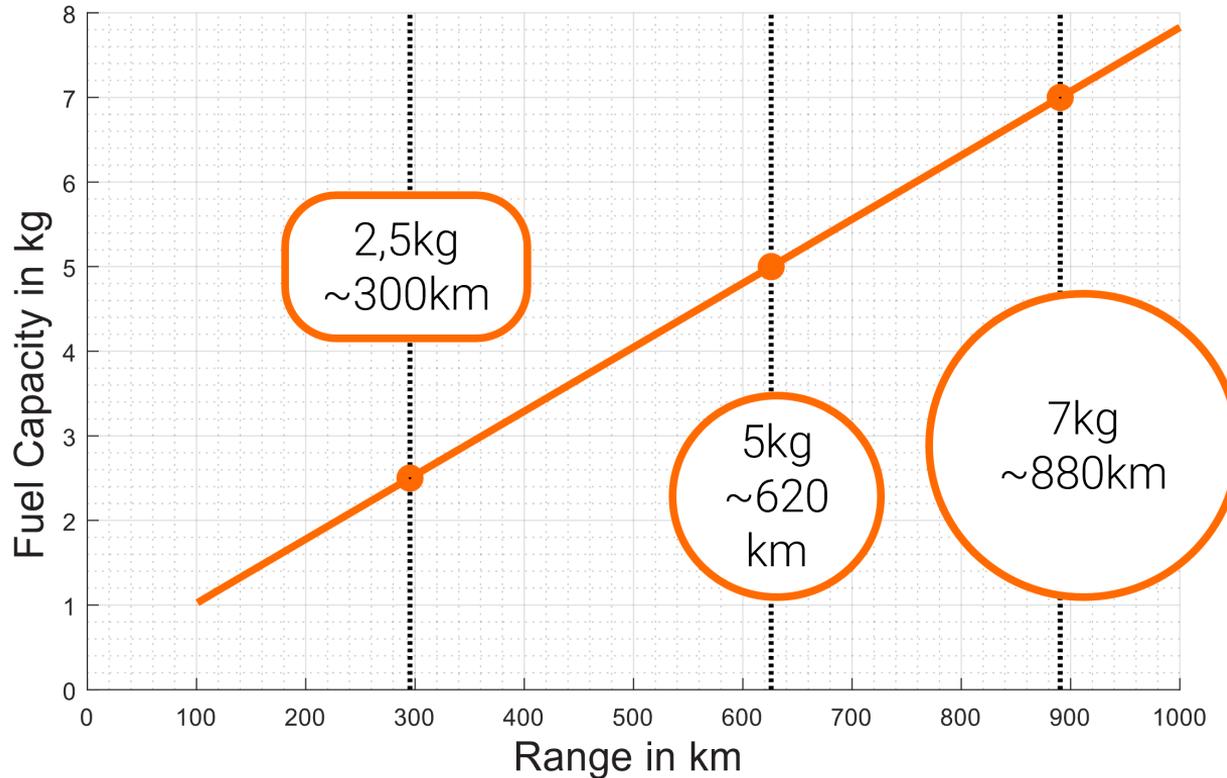


Current Specs (experimental):

- single seater
- MTOW: 850 kg
- max. power output: 65 kW
- max. range (2.5kg): ~300 km



The Taifun 17 H₂ – Current State



Next Steps

- further tests on the ground
- gaining Permit to Fly
- further simulations
- reducing weight
- bigger tank
- optimization of modularity



Modularity



Modularity

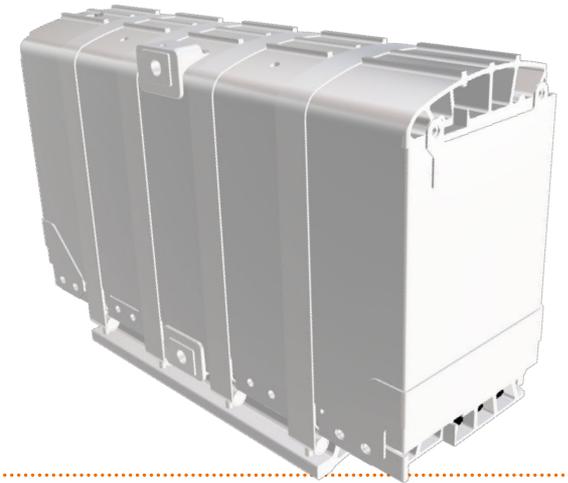


Modularity



Taifun - Summary

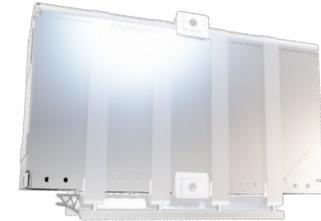
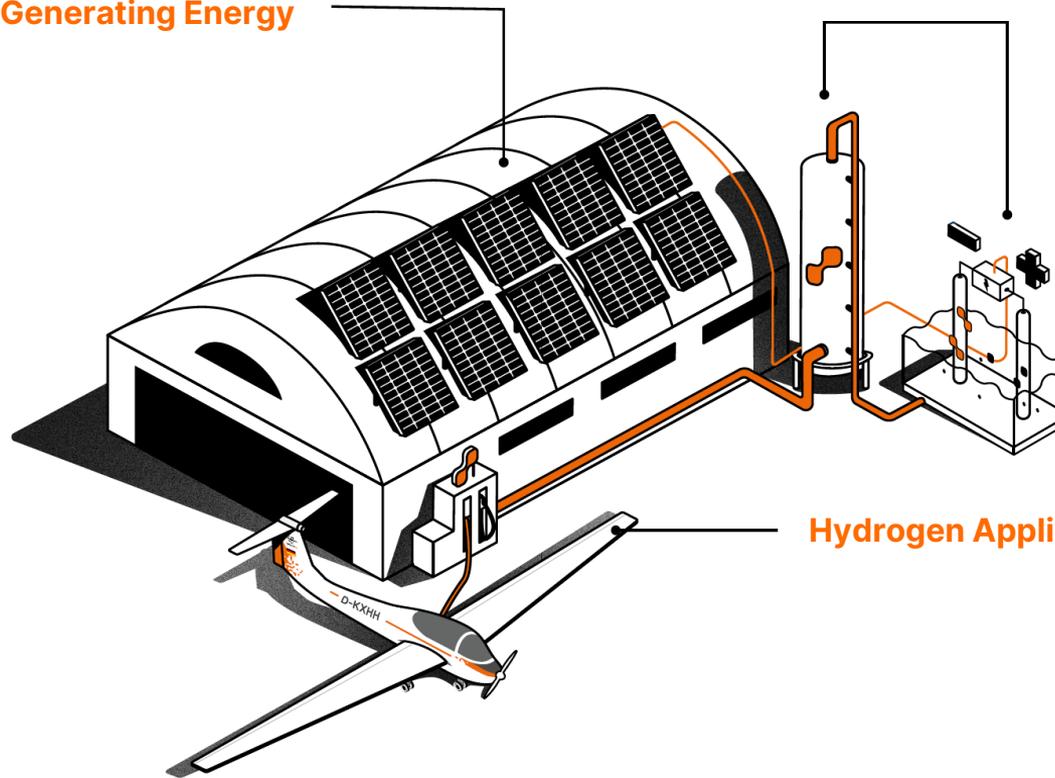
- highly efficient tractive system
- ongoing optimization
- Increasing tank capacity
- wide range of application
- high potential of reducing Footprint of GA
- potential for low operating costs



Vision Zero Emission Flight

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taifun 17 H₂



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Contact

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working with you!

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