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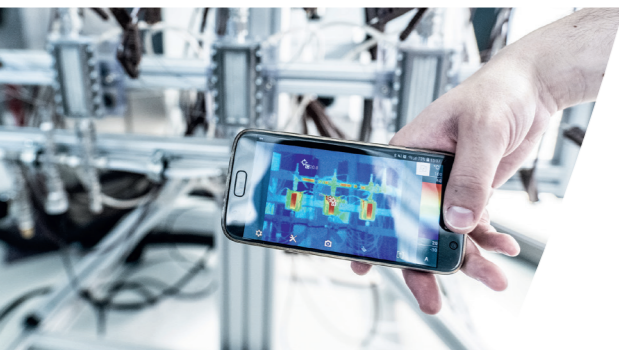
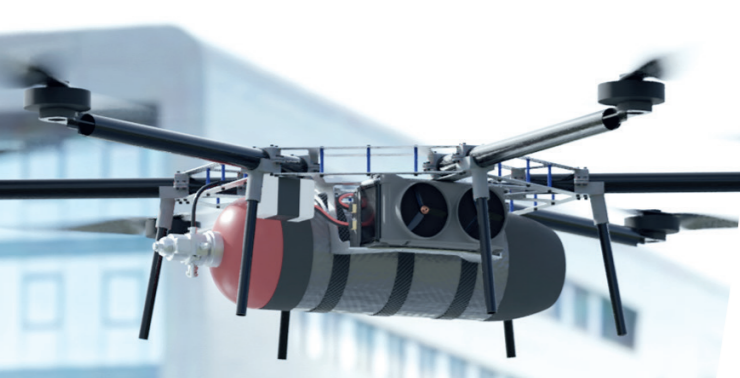


 **Lufthansa Technik**



FUEL CELL & ELECTRICAL POWER SYSTEMS FOR AVIATION





DID YOU KNOW...

That our R&T team can solve most technical tasks you present to us? **40 scientists and engineers** are waiting to support you. From A like “AI” to Z like “ZAL Fuel Cell Lab”, we can offer you multidisciplinary solutions.

We realize your vision, and even more, we make it fly. As we are **located in one of the most advanced research centers** for civil aviation worldwide, you can be sure that our solutions meet the complexity of aviation.

YOUR CHALLENGE

Today, an aircraft is producing a significant amount of greenhouse gases. In Flightpath 2050, the aviation industry committed to reduce emissions, meet the needs of our citizens and the market as well as maintaining global leadership. To achieve these ambitious goals, pure optimization of technologies is not enough and demands the usage of new step-changing approaches. However, the integration of innovative electrical power systems requires unique technical competences.

OUR SOLUTION

Electrical systems powered by hydrogen fuel cells are offering a green and efficient way to provide electrical energy supply to today’s aircraft. ZAL is providing a unique expertise in developing customized electrical systems based on hydrogen fuel cells from concept to development as well as prototyping and testing. This is not limited to an alternative source for electrical energy but also for the generation of thrust energy to lift aerial vehicles such as UAV, small airplanes, air taxis and commercial aircrafts.

YOUR ADVANTAGE

- Today, our Fuel Cell Lab is a unique platform for the hydrogen fuel cell community in the aviation business and the cross-sectorial application. Close collaboration between partners.
- Very flexible test areas which can be adapted to customer needs.
- One single provider – We offer customized concepts, engineering services, prototyping, and testing.
- Support for test facility design and operation are available.

