



CONTACT

**ZAL** CENTER OF APPLIED AERONAUTICAL RESEARCH

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# **AIRBUS**



**Lufthansa Technik** 













**INDUSTRIAL AI 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.

# **EXPERIENCE THE POTENTIAL OF AI**

Al applications are ubiquitous in our daily lives. Bringing Al into aviation industry is still an enormous challenge. Nevertheless, Al capabilities like object detection, data analysis, and decision support have the potential to deliver great benefits to production and MRO.

Our team for Digitalization Technologies does research on how to apply cutting-edge AI methods, like deep learning, to solve challenges from the aviation industry. To test ideas rapidly and to create a space for the development of innovations we offer an AI Aviation Lab that is open for everybody.

## YOUR ADVANTAGE

- Experts on AI and data acquisition
- Al Aviation Lab for developing and testing ideas
- Short cycles and rapid results

#### **OUR SERVICE FOR YOU**

CONSULTING

Data Sensors Algorithms IMPLEMENTATION

Data preprocessing Algorithm selection

QUALITY CONTROL

Accuracy
Precision & recall
Test in real environment

DATA ACQUISITION

Test bench set-up
Data recording
Data simulation

TRAINING

Algorithm optimization Fine-tuning