

#### ZAL Center of Applied Aeronautical Research

## CONTACT

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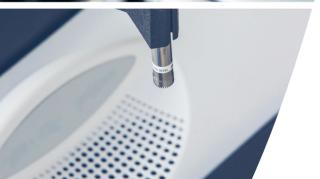


# ACOUSTICS & VIBRATION OPTIMIZING CABIN COMFORT









#### **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 "Acoustics & Vibration" 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

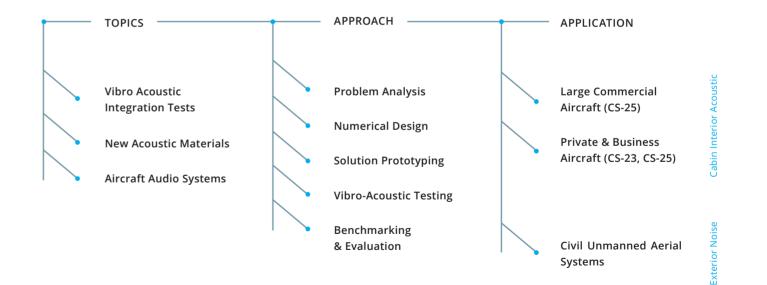
Reduced noise and vibration together with an optimized audio system are a vital part of the passenger experience and continue to be challenging research topics. Nevertheless, new innovative acoustic solutions can contribute to higher product quality, passenger comfort and new differentiating features without increasing product cost and weight.

## **OUR SOLUTION**

ZAL is offering customized solutions for solving your acoustic and vibration problem through testing and simulation as well as design and prototyping.

#### YOUR ADVANTAGE

- Our experts are specialized in aircraft interior noise and have a well-established network in the aviation industry to drive the technology.
- We have access to the strong scientific background of our international research partners.



 Unique vibro-acoustic testing opportunities for measurement on a full-scale aircraft demonstrator in the Acoustics Flight Lab at ZAL.