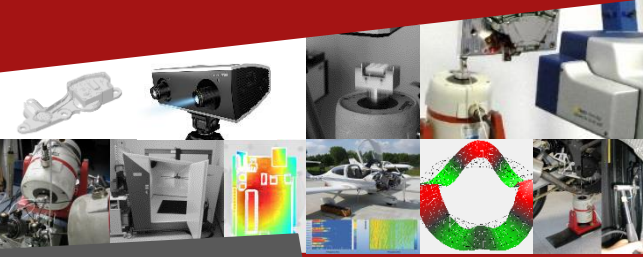


## EXPERTS IN STRUCTURAL DYNAMICS AND ACOUSTICS

Engineering services for research and development



### OUR SERVICES

Measure. Evaluate. Optimize.

Reinforce your capacity and use our support in product development and quality assurance! We offer our clients state-of-the-art measurement and analysis methods to solve various acoustic and structural dynamic tasks.

- ✓ **Modal and operational vibration analysis**
- ✓ **Vibration and shock test**
- ✓ **Non-destructive component testing**
- ✓ **3D scanning / reverse engineering**
- ✓ **Lifetime and fatigue analysis combining experiment and simulation**
- ✓ **Airborne sound analysis**



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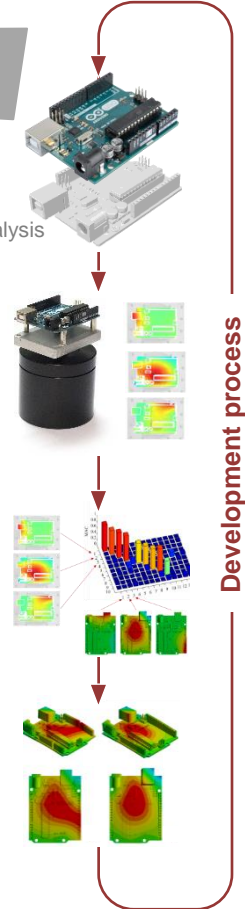
## VIBRATION-OPTIMIZED ELECTRONIC DESIGN

Experimental and numerical methods  
at all stages of development

### OUR SERVICES

Holistic Approach of  
Analysis and Optimization

- ✓ **Experiment**
  - ✓ Modal analysis
  - ✓ Operational vibration analysis
  - ✓ Mission profiles
  - ✓ Vibration and shock test
  - ✓ Fatigue analysis
- ✓ **Modal updating**
- ✓ **Simulation**
  - ✓ Modal analysis
  - ✓ Harmonic / random response
  - ✓ Transient analysis
- ✓ **Optimization**
  - ✓ Design / layout
  - ✓ Suspension
  - ✓ Vibrational load
- ✓ **Reverse engineering**



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