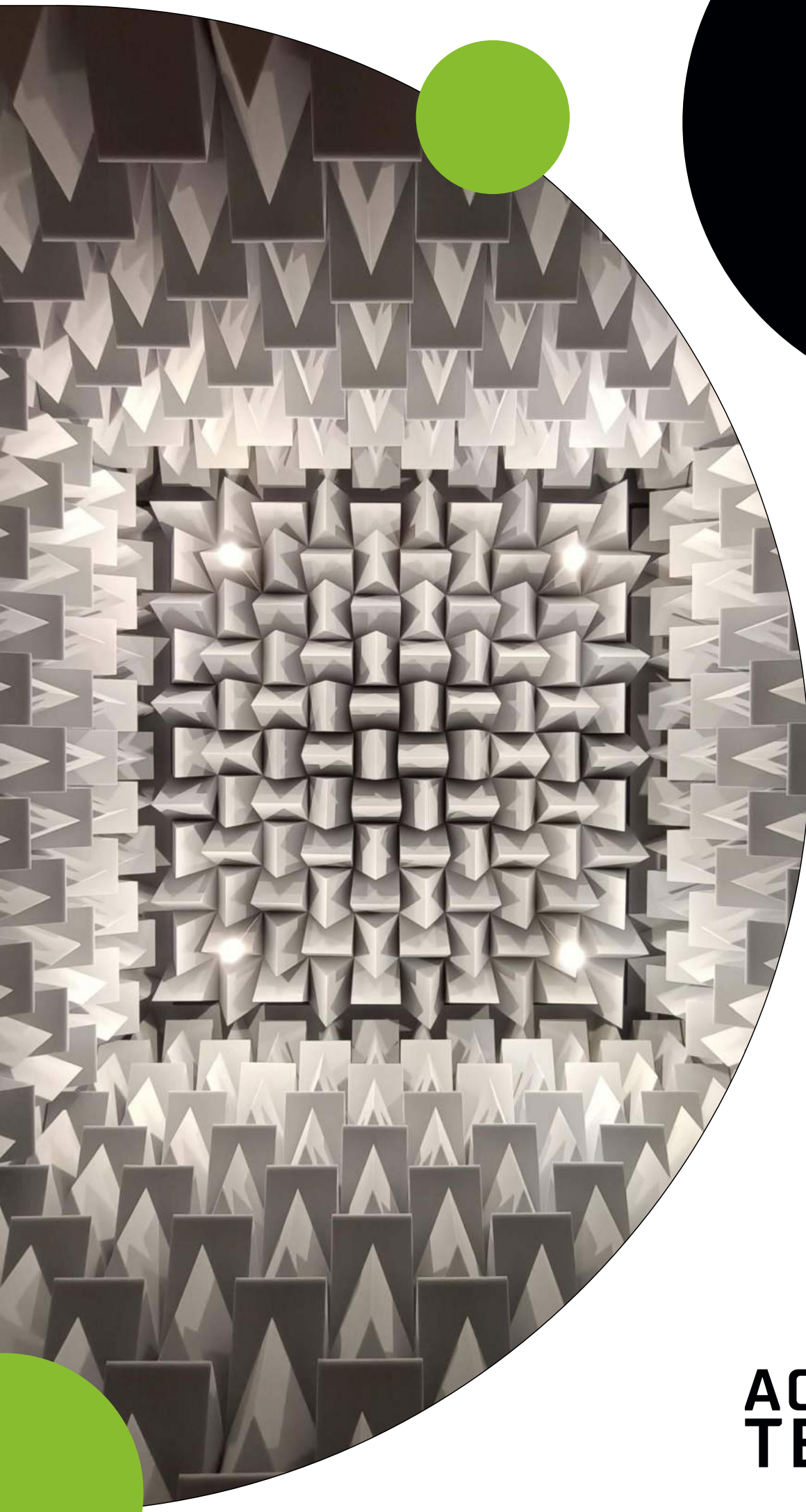




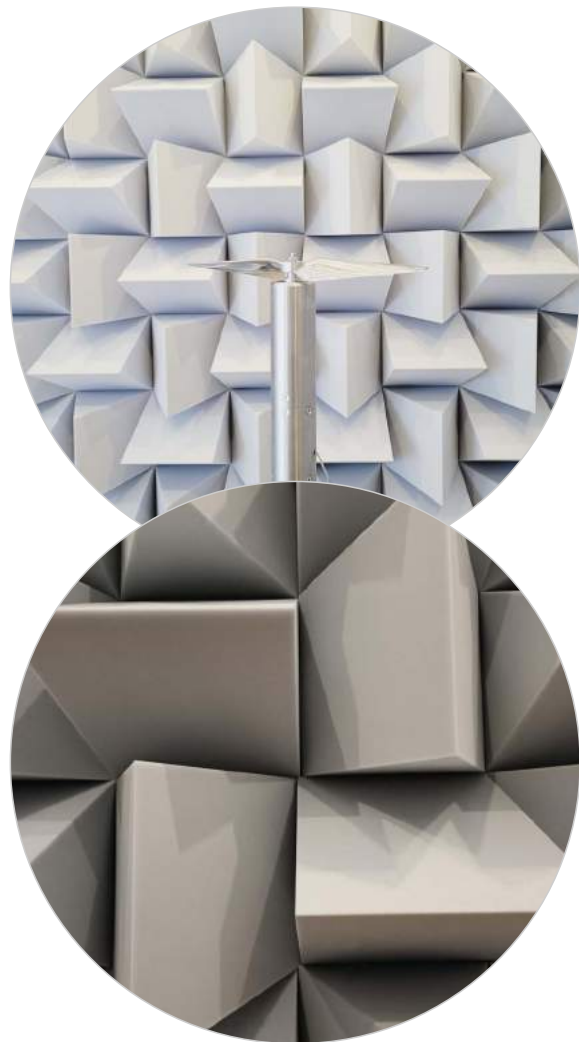
Łukasiewicz
Institute
of Aviation



**ACOUSTIC
TESTING**

CHARACTERISTICS

Łukasiewicz – Institute of Aviation offers advanced acoustic measurement capabilities, including a 90 m³ anechoic chamber and a low-noise portable data acquisition system.



KEY FEATURES

- A newly-built anechoic chamber, designed for testing down to 170Hz.
- High-precision microphones and a low-noise data acquisition system, with 14-channels at up to 51,2 kHz.
- Noise directivity measurements at a resolution down to 15° in a half-plane.
- Sound power measurements in accordance with the ISO 3745 norm.
- Testing of UAV propellers on a dedicated stand.
- Detailed analysis of noise spectra.
- Validation of numerical studies.



The Łukasiewicz Research Network – Institute of Aviation

offers a wide range of specialized research, engineering services and products. We provide comprehensive solutions, ranging from dedicated analyzes, simulations, engineering design, through the selection, testing and certification of materials and structures, to rapid prototyping and additive manufacturing.

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