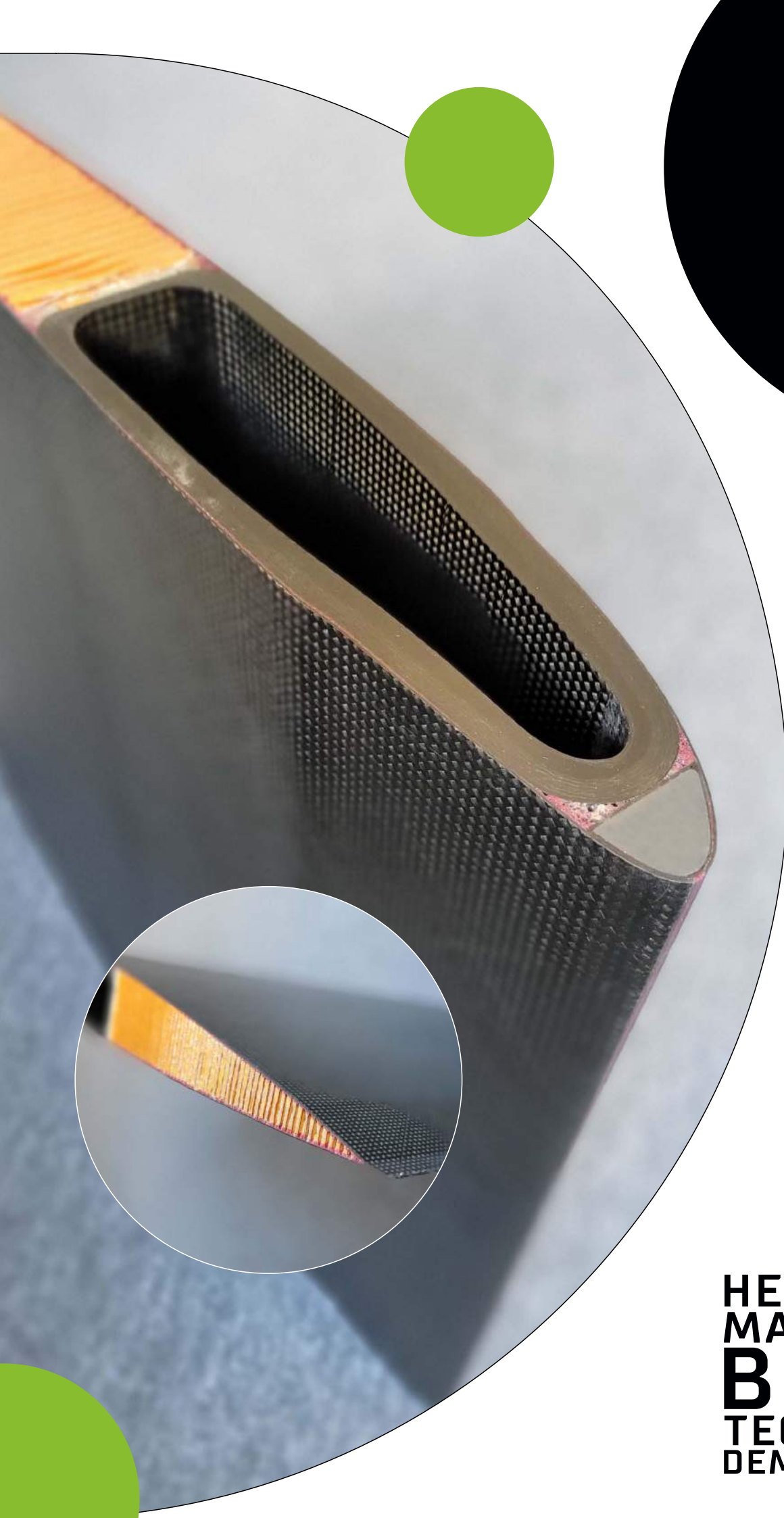




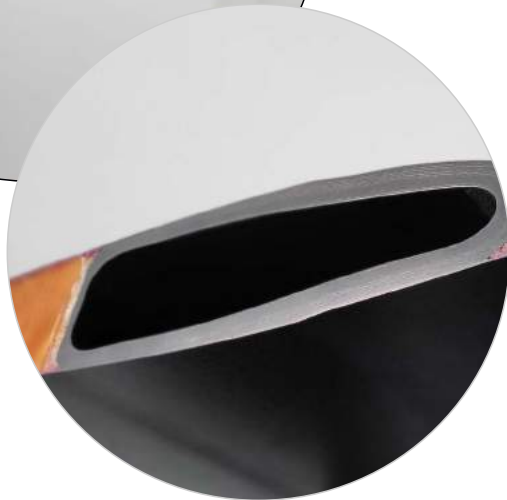
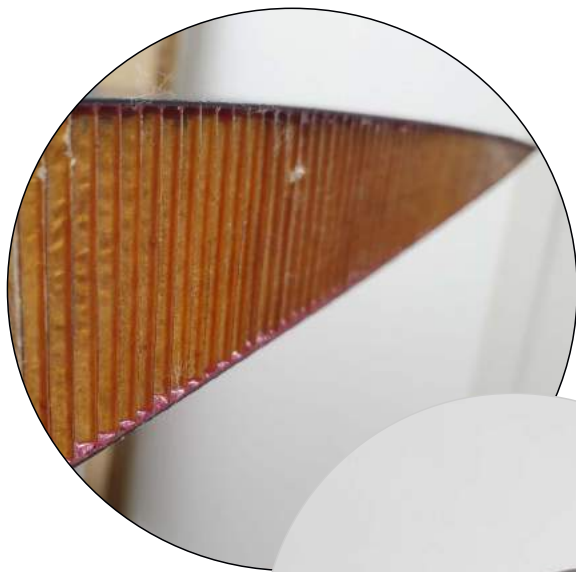
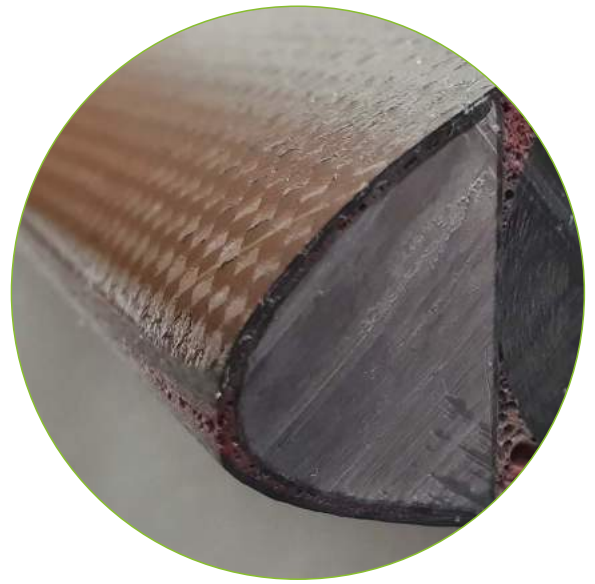
**Łukasiewicz**  
Institute  
of Aviation



**HELICOPTER  
MAIN ROTOR  
BLADE  
TECHNOLOGY  
DEMONSTRATOR**

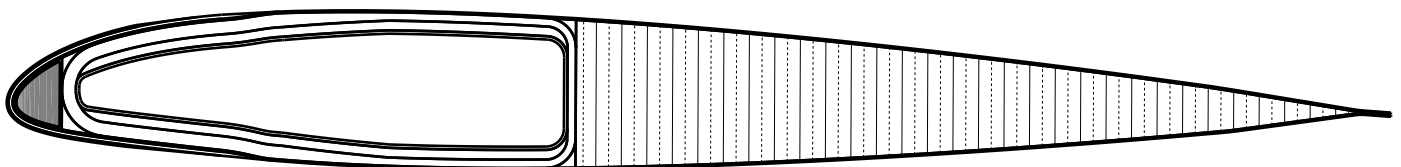
# CHARACTERISTICS

Łukasiewicz – Institute of Aviation offers development of design methodology, test campaign and technology for the production of main blade for the Mi-8 size helicopter. It has similar weight and identical center of gravity as its metallic equivalent.



# KEY FEATURES

- Interchangeability with currently used blades.
- Possibility to replace one blade in a set.
- Unchanged blade geometry, similar stiffness and mass distribution.
- Planned service life: 4500hrs.
- Service temperature range  $-50^{\circ}\text{C}$   $+40^{\circ}\text{C}$ .
- Comparable strike-thru and damage tolerance.
- Lightning strike protection.
- Anti-ice installation.



## 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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