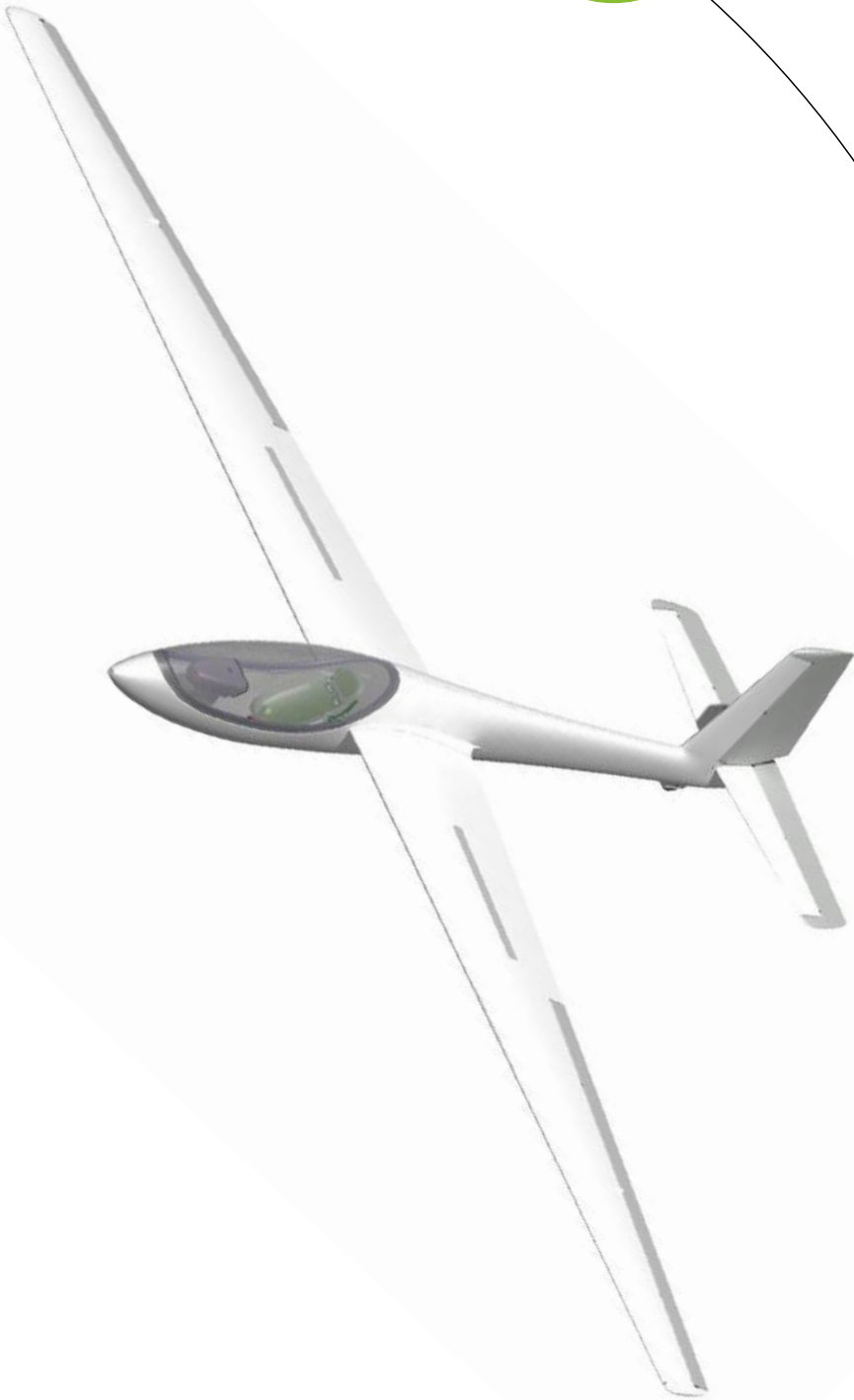




**Łukasiewicz**  
Institute  
of Aviation



POSSIBLY THE MOST  
**AEROBATIC GLIDER**  
IN THE WORLD

# AEROBATIC GLIDER I-45 JAY

# CHARACTERISTICS

Łukasiewicz – Institute of Aviation presents new glider “JAY”, designed mainly for glider aerobatic competitors and aeroclubs. Structure was designed in cooperation with our Polish top glider champions, to match the highest expectations. We offer design support and development in the implementation of glider serial production.



## TECHNICAL INFORMATION

Weights	Value
Empty glider weight	330 kg
MTOW	440 kg

Dimensions	Value
Wing span	12.89 m
Length	6.84 m
Height	1.88 m
Wing area	11,86 m <sup>2</sup>

Performance	Value
V <sub>NE</sub>	320 km/h
V <sub>A</sub>	245 km/h
V <sub>D</sub>	350 km/h

## KEY FEATURES

- Canopy: wide viewing angle, impression of open space and better visibility during maneuvers.
- ILG-012: new airfoil.
- Loads factor limits:  $n = +10 / -8$ .
- Out-of-autoclave prepreg carbon fibre technology.
- Epoxy Resin – High heat resistant System.



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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