

GALLERY



Diana 3
NEW GENERATION
...AND MORE

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HISTORY

The idea for a new model of the KKB glider, whose creators were Jiří Kusbach, Oldřich Bartoník, appeared during the Grand Prix competition in Chile in 2010, where several Polish gliders together with Czech Ludek Kluger suggested to combine the wings of "Diana-2" with the KKB fuselage.

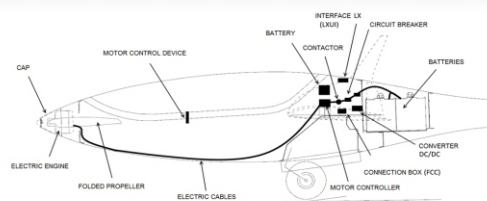
In autumn 2010 there was a meeting with the constructor of the wings "Diana-2" inż. Krzysztof Kubryński as a result of which the idea of connecting the wings of "Diana-2" was abandoned due to the bad impact of the fuselage on the wings. However, the engineer came out with the initiative to design completely new wings for the KKB fuselage with a span of 18 meters.

Project work was started immediately and in the summer of 2011 the project was ready. In the following, the first prototype was created with new wings. Towards the end of 2016, load calculations were completed, fuselage load tests were carried out, and in January 2017 a load test of the wing was performed to finish the finishing work on the glider.

In December 2017, the Polish company Avionic SP.J. from Górk Wielkie near Bielsko - Biała purchased the rights to the glider and the offer was increased by a glider in the 18 meter class, which was given the name Diana-3. It is a continuation of the design and construction thought of Professor Kubryński who now, together with Avionic, has taken up the challenge of returning the Polish glider industry to global markets. Currently, the project team under the supervision of a professor designs a 24-meter glider version.

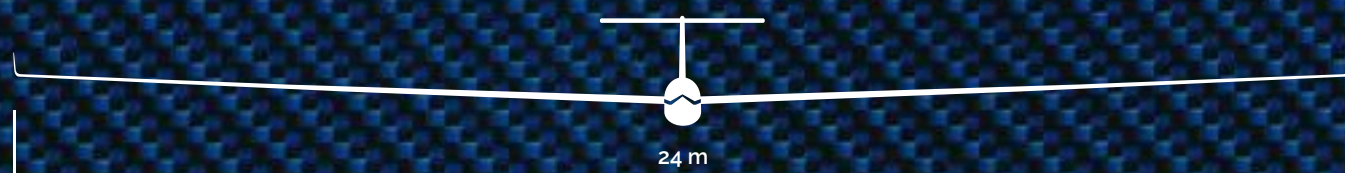
DEVELOPMENT VERSIONS

Diana-3 with FES (Front Electric Self-launch/Self-sustainer) - end of the project 2018



Future:

Diana with 24 meters wings - planned end of the project 2019/2020



SPECIFICATION

Dimensions

Span	18 m
Elongation	31,15
Length	6,43 m
Height	1,35 m
Wing area	10,456 m ²

Weight

Empty weight	306 kg
Take-off weight	600 kg

Performance

Min. speed	70 km/h
Max. speed	270 km/h
Min. sink	0,495 m/s
Max. ratio	54 km

