

PROJECT

FastCan

Light weight, impact resistant, canopy for fast compound rotorcraft

Funding: European (Horizon 2020)

Duration: Feb 2017 - Dec 2020

Status: Complete

Total project cost: €2,141,875

EU contribution: €1,498,500



Call for proposal: H2020-CS2-CFP03-2016-01

[CORDIS RCN : 210191](#)

Objectives:

FastCan is the design and manufacturing of an economical lightweight, safe and flight worthy canopy structure optimised for low aerodynamic drag, best field of view and in accordance with CS 29 requirements regarding bird strike capabilities for the high speed LifeRCraft.

The low weight design is intrinsically assured through the application of the innovative one-shot design of the canopy as a hollow single piece CFRP structure.

The chosen tooling concept allows the manufacturing of the prototype as well as a low series production.

Know how transfer from the automotive sector, mainly motorsport, is assured. The applicants have an excellent record in maintaining even the tightest schedules and delivering highest quality products on time and on budget.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Klk Motorsport Gmbh

Address:

AM SOMMERRAIN 15
71336 WAIBLINGEN
Germany

EU Contribution: €749,000

Partner Organisations:

Modell- Und Formenbau Blasius Gerg Gmbh

Address:

IM GRUND 3
83104 TUNTENHAUSEN
Germany

EU Contribution: €749,500

Technologies:

Aircraft design and manufacturing
Vertical take-off and landing personal aerial vehicle

Development phase: Validation

STRIA Roadmaps: Vehicle design and manufacturing

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Other specified

Geo-spatial type: Other