

PROJECT

GAINS

General Aviation Improved Navigation and Surveillance

Funding: European (Horizon 2020)

Duration: Jan 2018 - Dec 2019

Status: Complete

Total project cost: €1,694,763

EU contribution: €1,453,690



Call for proposal: H2020-SESAR-2016-2

[CORDIS RCN : 213197](#)

Objectives:

The objective of GAINS is to validate concepts on avionics and use of instrument flight procedures tailored to General Aviation, that enable integration and inclusion of GA within high density airspace or environments in which GA is constrained due to proximity of adjacent airports or airways for scheduled airlines or the military.

The project builds on the concept demonstrated to the EVA project considering the suitability of ground monitoring from aerodromes, with basic ATS or ground services and testing the viability for the use of PBN procedures more tailored to the capabilities of GA and the limitations of operations in dense airspace.

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:

Helios

Address:

Hercules Way, Aerospace Boulevard, Aeropark 29
Farnborough
-GU14 6UU
United Kingdom

Organisation Website:

<http://www.askhelios.com>

EU Contribution: €192,500

Partner Organisations:

The British Light Aviation Centre Limited

Address:

50A CAMBRINDGE STREET
LONDON
SW1V4QQ
United Kingdom

EU Contribution: €891,188

Pildo Consulting S.I.

Address:

Marie Curie
08042 Barcelona
Spain

Organisation Website:

<http://www.pildo.com>

EU Contribution: €148,628

Trig Avionics Limited

Address:

BUILDING 1 HERIOT WATT RESEARCH PARK RICCARTON
EDINBURGH
EH14 4AP
United Kingdom

EU Contribution: €30,625

F.u.n.k.e. Avionics Gmbh

Address:

HEINZ-STRACHOWITZ-STR. 4
86807 BUCHLOE
Germany

EU Contribution: €190,750

Technologies:

Aircraft operations and safety
Avionics

Development phase: Validation

STRIA Roadmaps: Network and traffic management systems

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Safety/Security

Geo-spatial type: Infrastructure Node