

PROJECT

## RIB-AM

### Research of Innovative and Breakthrough Additive Manufactured leading-edge concept

**Funding:** European (Horizon 2020)

**Duration:** Nov 2018 - Oct 2021

**Status:** Ongoing

**Total project cost:** €569,959

**EU contribution:** €569,957



**Call for proposal:** H2020-CS2-CFP07-2017-02

[CORDIS RCN : 218609](#)

#### Objectives:

RIB-AM project will contribute to the CleanSky 2 objectives with the development of novel manufacturing technologies applied large size components belonging to the primary structure of aircrafts. Within this set of manufacturing techniques stand out the Automatic Fibre Placement (AFP) using thermoplastic resins, the innovative additive manufacturing process with short-fibre reinforce thermoplastic materials or the new methodology for components joining based on inductive welding technology.

#### 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)

**Other programmes:** JTI-CS2-2017-CfP07-REG-02-04 Technological readiness at the operational level for additive manufacturing in primary structure and large size components

#### Lead Organisation:

##### **Fundacion Andaluza Para El Desarrollo Aeroespacial**

**Address:**

Calle Torneo 26  
41002 Seville  
Spain

**EU Contribution:** €150,140

#### Partner Organisations:

##### **The University Of Sheffield**

**Address:**

Firth Court Western Bank  
Sheffield  
S10 2TN  
United Kingdom

**Organisation Website:**

<http://www.sheffield.ac.uk>

**EU Contribution:** €179,754

**Universitaet Paderborn**

**Address:**

Warburger Strasse 100  
33098 Paderborn  
Germany

**Organisation Website:**

<http://www.uni-paderborn.de>

**EU Contribution:** €139,500

**TwI Limited**

**Address:**

Granta Park Great Abington  
Cambridge  
CB1 6AL  
United Kingdom

**EU Contribution:** €100,563

**Technologies:**

Composite materials  
Thermoplastic-based composite materials

**Development phase:** Research/Invention

**STRIA Roadmaps:** Vehicle design and manufacturing

**Transport mode:** Air transport

**Transport sectors:** Passenger transport, Freight transport

**Transport policies:** Other specified

**Geo-spatial type:** Other