

PROJECT

WELTMAP

Wheel Lightweight Manufacturing Process

Funding: European (Horizon 2020)

Duration: Apr 2019 - Mar 2021

Status: Complete

Total project cost: €642,750

EU contribution: €449,925



Call for proposal: H2020-CS2-CFP08-2018-01

[CORDIS RCN : 221232](#)

Objectives:

The main objective of WELMAP project is the development and evaluation of a manufacturing process for the composite wheel via low-pressure RTM (LP-RTM).

The project involves tasks such as manufacturing related advice during the design process of the wheel, development of a manufacturing process, collection of life cycle inventory data of the process, evaluation of fibre lay-up and manufacturing and testing of wheel prototypes.

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-CS2-2018-CfP08-AIR-03-05 Development and evaluation of a manufacturing process for a lightweight aircraft wheel made of CFRP

Lead Organisation:

Servicios De Tecnologia Ingenieria E Informatica SI

Address:

RITA LEVI MONTALCINI 14
28906 GETAFE MADRID
Spain

Organisation Website:

<http://www.sertec.net>

EU Contribution: €211,750

Partner Organisations:

Composites Aragon SI

Address:

CTRA COGULLADA 20 NAVE 12 PARQUE TECNOLOGICO COGULLADA
50014 ZARAGOZA
Spain

Organisation Website:

<http://www.composites-aragon.es>

EU Contribution: €238,175

Technologies:

Composite materials
Composite materials for structural purposes in the aircraft

Development phase: Research/Invention

STRIA Roadmaps: Vehicle design and manufacturing

Transport mode: Road transport

Transport sectors: Passenger transport

Transport policies: Other specified

Geo-spatial type: Other