

INNOHYBOX



PROJECT ID 785433
H2020-EU.3.4.5.4. - ITD Airframe

Innovative solutions for metallic ribs or fittings introduced in a composite box to optimally deal with thermo-mechanical effects.

From 01/03/2018 to 31/08/2020

Project details

Total costs: EUR 749. 682,50	Topic: JTI-CS2-2017-CFP06-AIR-01-27 - Innovative solutions for metallic ribs or fittings introduced in a composite box to optimally deal with thermo-mechanical effects.
EU contribution: EUR 749. 682,50	Call for proposal: H2020-CS2-CFP06-2017-01
Coordinated in: Spain	Funding scheme: CS2-RIA - Research and Innovation action

Objective

The objective of this project is to develop a thorough understanding of the thermo-mechanical behaviour of a hybrid box with composite panels but including metallic ribs or fittings. A building-up approach, from different materials CTE characterization up to the validation of a whole box assembly section, is required to develop and validate the capacity to properly modelize the thermo-mechanical effect in hybrid assemblies. Based on this developed methodology, innovative solutions will be studied for the metallic components of a composite wing-box.

Coordinator



FUNDACIO EURECAT

EU contribution: EUR 199. 750
Activity type: Research Organisations

Participants



UNIVERSITAT DE GIRONA

EU contribution: EUR 298. 562,50
Activity type: Higher or Secondary Education Establishments



SOFITEC AERO, S.L

EU contribution: EUR 251. 370
Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

