

PROJECT

## MEPAFUS

### Metitalia prototype tooling for fuselage panel

**Funding:** European (Horizon 2020)

**Duration:** Feb 2018 - Dec 2019

**Status:** Complete

**Total project cost:** €498,765

**EU contribution:** €349,135



**Call for proposal:** H2020-CS2-CFP06-2017-01

[CORDIS RCN : 213821](#)

#### Objectives:

This proposal responds to the call of Clean Sky 2 JTI-CS2-2017-CFP06-AIR-02-50, Prototype Tooling for subcomponents manufacturing for fuselage. The aim of this Call for Proposal is to develop, design, manufacture and deliver to the Topic Manager facilities, all the prototype subcomponent manufacturing tooling required to manufacture fuselage panel representative of a regional aircraft demonstrator.

In particular, the final goal is the improvement of the current advanced technologies and methodologies with the aim to make them ready for the industrialization phase of a new regional aircraft fuselage.

The development of this tooling shall be innovative in order to implement the best performances in the following fields:

1. Low Cost Materials
2. Eco-design
3. Energy savings
4. Manufacturing processes simplification-Production time savings

Ensuring that each one of the single parts manufactured with the prototype tooling meets with the Aeronautical quality standards.

Proponents of the project have a wide knowledge of fabrication of composite materials and processes, and in addition, an awareness of the advantages and disadvantages that each choice may entail.

The know-how of the proponents will be fully shared with TM, in order to reach the agreed goals.

#### 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-CFP06-AIR-02-50 Prototype Tooling for subcomponents manufacturing for fuselage.

#### Lead Organisation:

**Metitalia S.r.l.**

**Address:**

VIA FONTANA 17  
84012 ANGRI  
Italy

**EU Contribution:** €213,882

## Partner Organisations:

**O.m.p.m. - Officina Meridionale Di Precisione Meccanica Srl**

**Address:**

VIA FONTANA 5  
84012 ANGRI  
Italy

**EU Contribution:** €135,253

## Technologies:

Composite materials  
Composite fuselage sections

**Development phase:** Demonstration/prototyping/Pilot Production

**STRIA Roadmaps:** Vehicle design and manufacturing

**Transport mode:** Air transport

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

**Transport policies:** Other specified

**Geo-spatial type:** Other