ITEMB: Integrated Full Composite Main Landing Gear Bay Concept

Fact Sheet

Project Information

ITEMB
Grant agreement ID: 717190

Funded under H2020-EU.3.4.5.1.
Overall budget € 802 125
EU contribution € 580 237,50

Project website

Start date 1 September 2016
End date 31 August 2018

Coordinated by
PROTOM GROUP SPA
Italy

Objective

The standard solution of a landing gear integrated into the wings, that is widely used in the actual single aisle aircraft configuration, even if extensively safe in terms of structural load distribution, leads to many drawbacks both referred to the structural configuration and weight and also related to the structural integration of the different components during the aircraft final assembly and set-up. New solutions need to be supported by a big efforts in terms of design and materials optimization and manufacturing processes.
The scope of ITEMB project is to set up an innovative Lower Center Fuselage (LCF) architecture compliant with Body Landing Gear scenario, including high loaded structure, highly integrated concept and industrial processes validation.

Field of science

/ engineering and technology/mechanical engineering/vehicle engineering/aerospace engineering/aircraft
Programme(s)

Topic(s)

Call for proposal

H2020-CS2-CFP02-2015-01

Funding Scheme

CS2-IA - Innovation action

Coordinator

PROTOM GROUP SPA

Address
Via Foro Buonaparte 70
20121 Milano
Italy

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

EU contribution
€ 260 750

Contact the organisation

Participants (2)

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Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

EU contribution
€ 256 987,50

Contact the organisation

UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II
Italy

EU contribution
€ 62 500

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Activity type
Higher or Secondary Education Establishments

Website
Contact the organisation

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Record number: 205612

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