Efficient Composite parts manufacturing

Fact Sheet

Project Information

EFFICOMP
Grant agreement ID: 690802
Funded under H2020-EU.3.4.
Project website
Overall budget € 1 759 736,25
Start date 1 April 2016
Coordinated by AIRBUS
End date 31 March 2019
France
EU contribution € 1 759 736,25

Objective

The main objectives are to propose R&D activity to reduce cost and increase ramp up production of composite parts for structural application on aerospace products. These objectives are fully in line with objectives of the call MG1.8. European partners consortium is composed with end user (AIRBUS Group) and research laboratories (DLR, Stuttgart University, Delft University) and a dissemination expert partner (EASN). All selected partners have a strong experience with aerospace research activity. To fulfill the proposal objectives, the main technical topics that will be addressed are new low cost materials, new efficient heating concepts for composite curing, new forming process for large and thick parts, new low cost assembly processes, new environment around the mold (reusable bagging, reusable de-molding agent) and out of autoclave manufacturing concepts. Certification cost reduction for new issues such as sparking characterization during lightning strike impact will also be addressed. As one of the key points of this project is to propose new low cost concepts for composite part production, a specific workpackage will be dedicated to cost analysis of developed solutions and comparison with existing state
of the art cost of composite parts. Most promising results will be integrated in a composite validation elements produced by the partners to give more credibility to the results. To get the maximum outputs from this project, the activity is distributed between different partners according to their expertise on the topic they will address. We have an important result exchange phase during the validation element definition and manufacturing activity. Globally for the developed technologies a TRL between 4 and 5 is foreseen at the end of EFFICOMP project.

Programme(s)

Topic(s)

Call for proposal

H2020-MG-2015_SingleStage-A

Funding Scheme

RIA - Research and Innovation action

Coordinator

AIRBUS

Address
2 Rond Point Emile Dewoitine
31700 Blagnac
France

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

EU contribution
€ 495 908,75

Website
Contact the organisation

Participants (4)

DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV

Germany

EU contribution
€ 399 202,50

Address
Linder Hohe

Activity type
Research Organisations
UNIVERSITAET STUTTGART

Germany

EU contribution

€ 399 437,50

Address

Keplerstrasse 7
70174 Stuttgart

Activity type

Higher or Secondary

Education Establishments

Website

Contact the organisation

TECHNISCHE UNIVERSITEIT DELFT

Netherlands

EU contribution

€ 385 187,50

Address

Stevinweg 1
2628 CN Delft

Activity type

Higher or Secondary

Education Establishments

Website

Contact the organisation

EASN TECHNOLOGY INNOVATION SERVICES BVBA

Belgium

EU contribution

€ 80 000

Address

Terweidenstraat 28
3440 Budingen

Activity type

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

Website

Contact the organisation

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