

PROJECT

BEDYN

Development of a methodology (test, measurement, analysis) to characterize the BEhaviour of composite structures under DYNamic loading

Funding: European (Horizon 2020)

Duration: Jul 2020 - Jun 2023

Status: Ongoing

Total project cost: €499,538

EU contribution: €499,538



[CORDIS RCN : 228818](#)

Objectives:

The goal of the project is to develop a methodology (including innovative tests, measurements, and analysis methods) to properly characterize the dynamic behaviour up to rupture of composite structures submitted to a dynamic loading. Simulations will be used to prepare and analyse tests and a simulation methodology will be developed to demonstrate prediction capabilities.

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-CS2-2019-CFP10-AIR-01-42 Development of a methodology (test, measurement, analysis) to characterize the behaviour of composite structures under dynamic loading

Lead Organisation:

Universitat De Girona

Address:

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Spain

Organisation Website:

<http://www.udg.es>

EU Contribution: €193,725

Partner Organisations:

Compoxi S.I.

Address:

CALLE PIC DE PEGUERA 15
17003 GIRONA
Spain

Organisation Website:

<http://www.airborne.com.es>

EU Contribution: €112,063

Universidad Carlos iii De Madrid

Address:

Calle Madrid
28903 Getafe (Madrid)
Spain

Organisation Website:

<http://www.uc3m.es>

EU Contribution: €193,750

Technologies:

Composite materials
Composite materials for structural purposes in the aircraft

Development phase: Research/Invention

STRIA Roadmaps: Vehicle design and manufacturing

Transport mode: Air transport

Transport sectors: Passenger transport, Freight transport
Safety/Security, Other

Transport policies: specified

Geo-spatial type: Other