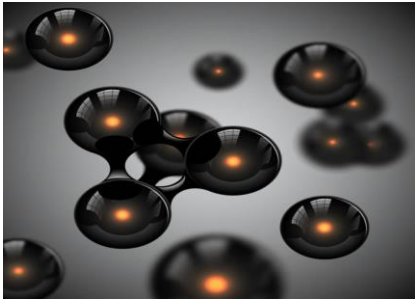


R&D PROJECT



Title of the project

Research and development of structural concrete reinforced with recycled carbon fiber from the aeronautical industry

Acronym

HORMICARB

Project Content

The aeronautical industry or the wind industry, booming due to its contribution to the decarbonization of the economy, are generators of high-quality material waste but very difficult to reuse, making it very difficult to reintroduce it into production cycles. Given the growing number of both aircraft and wind turbine components that end their life cycle in the coming years, it is essential to find a way to reuse this waste.

General Objectives

The objective of this project is the study and validation of the use of composite materials with carbon fibers (CFRP) from waste of AIRBUS aircraft factories in Spain as structural concrete reinforcement in different elements, through recycling processes. mechanical, as a first step to define circular economy solutions for the end of service life of aeronautical components made of carbon fiber composite material.

Project WP

- PT1. Feasibility study and definition of applications
- PT2 Selection of material and analysis of pre-process requirements
- PT3 Laboratory tests
- PT4 Full-scale tests in one or more COMSA works

Results and conclusions

Ongoing project

PARTNERS



Collaborate



BUSINESS AREA

Technical and Innovation R&D

DURATION

2023-2026

BUDGET

COMSA SA:
758.076,00 €

KEYWORDS

Carbon fiber, Aeronautics,
Decarbonisation, Recycled
material

COORDINATOR

Mireia Fernandez
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