

In a Nutshell

VIBES presents an innovative solution to resolve the end-of-life issues of thermoset composite materials, based on the development of a new green technology, focused on the controlled separation and recovery of composite material components, by means of developing customised biobased bonding materials (BBM).

Products and services

- 100% Biobased Bonding Materials, specific for epoxy, polyester and vinyl resins.
- New 100% biobased resins (epoxy, polyester, vinyl) and fibres.
- Thermoset Composites with intrinsic recycling properties.
- New recycling technology for thermoset composites based on green pre-treatments.
- Valorised resins (monomers / oligomers) and fibres, recovered from recycling treatment.
- Training course for industrial professionals on the circular economy for thermoset composites.
- Summer master classes for students on green composites.

Identity

Project title:

Improving recyclability of thermoset composite materials through a greener recycling technology, based on reversible biobased bonding materials.

Grant Agreement No: 101023190

Start: 1 June 2021

Duration: 48 months

BBI-JU contribution: € 5,230,049.63

Find out more

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Project partners



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Improving Recyclability of Thermoset Composite Materials through a Greener Recycling Technology.

