

PRESS RELEASE

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Celebrating 3 Years of VIBES: Exploring Developments and Future Strategies

Our consortium marked the 36th month of its journey with [a meeting](#) in Belfast, hosted by JUNO Composites at the Advanced Composites and Engineering Centre (NIACE) building. The meeting highlighted the project's achievements and charted the future steps of the project. Partners had the opportunity to meet with the NIACE manager and resident companies, fostering opportunities for collaboration and shared interests, while also having a tour of the centre.



VIBES has made significant progress in the past months by developing various combinations of BBMs, resins, and fibres (including carbon, glass, or flax fibres with resins) and employing several methods to produce biobased and recyclable thermoset composites. These composites are intended for engineering applications in the construction, aeronautics, and marine sectors and are currently being validated based on sector-specific requirements. One notable achievement is the preparation of the first composite panel for the construction sector using bisphenol-free epoxy resin, through collaboration between SPECIFIC POLYMERS and ACCIONA, featuring glass fibre reinforcement combined with the developed bisphenol-



free epoxy resin, specifically designed to meet the rigorous demands of the infusion process and various construction applications.



Composite panel made of glass fiber reinforcement and **our bisphenol-free epoxy resin**

In addition, substantial advancements have been made in the VIBES recycling technology for sustainable thermoset composites. These include the initial design of a pilot plant for implementing the VIBES recycling solution, evaluation of toxicity and safety issues, and strategies for waste collection and processing. Furthermore, a preliminary business plan has been developed to facilitate the successful commercialisation of the project's most promising exploitable results, based on market data and economic insights, and will be refined with ongoing project developments.

Our partners have been actively participating in events, demonstrating their advanced research in recycling technologies specifically designed for composite materials. AITIIP presented VIBES insights at Veltha's [webinar](#) and Meetech Spain 2024, while ACCIONA showcased the project at [JEC Group World 2024](#) in Paris, drawing attention from researchers and industry leaders.

Finally, the University of Limerick, in collaboration with the BIO-UPTAKE project, co-organised a [workshop](#) on May 3, 2024, exploring the future of Carbon Fibre Reinforced Polymer (CFRP) products and their integration into the automotive and aerospace industries. The project has also enriched the scientific



community with three more publications to prestigious scientific journals. You may find all project publications in the project website section on [publications](#).

Keep up-to-date with the latest developments and updates of the VIBES project by visiting the official website at www.vibesproject.eu. Be sure to subscribe to our newsletter and connect with VIBES on social media to stay in touch.

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