



SALIENT In Action

Newsletter Issue #1-2024

SALIENT In Action is the quarterly e-Newsletter of the EU-funded SALIENT Research Innovation Action, sharing news on the progress of the project activities along its duration.

Shaping the Future of the Automotive Industry: SALIENT Shines at the 2024 RTR Conference

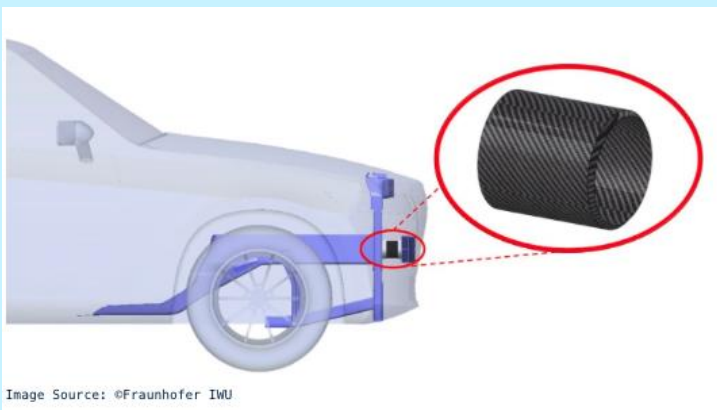


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[Fraunhofer IWU](#) is developing an innovative **Carbon Fiber Reinforced Plastic (CFRP) crash box** featuring a unique lay-up and crash mechanism for the new Front-End Structure (FES). This novel design **enables significantly greater specific energy absorption** compared to metal crash boxes, resulting in a low mass while providing high energy absorption capabilities.

Furthermore, it promises **exceptional durability**, making it well-suited for **circular economy** approaches, as it can remain intact for extended periods.

[Read Article](#)



Novel Sustainable Fiber Composite Crash Box Increases Specific Energy Absorption Significantly

On 6 February 2024, the **SALIENT** project **showcased its results** at the 7th edition of the [RTR Conference](#) in Brussels, Belgium. This year the conference was focused on the achievements of EU-funded projects in road transport.



SALIENT was represented by Project Coordinator [Raquel Ledo](#), Head of Materials Innovation Area at the [Automotive Technology Centre of Galicia \(CTAG\)](#), during the session **“Crash protection and collision avoidance”** moderated by Anca Pasca from [CINEA](#) & [Peter Urban](#) from the [Institute for Automotive Engineering](#) of [RWTH Aachen University](#). [Read Article](#)

CTAG hosts the first in-house workshop of SALIENT: Reshaping the future of the automotive industry



In December 2023, [CTAG-Automotive Technology Center of Galicia](#), project coordinator of the [SALIENT](#) project, organised at its headquarters, an **in-house workshop** to spread and strengthen the social and economic impact of the project results within the partner organisations SALIENT.

Three speakers presented at the hybrid workshop, including the main researchers of SALIENT and the coordinator itself; [Raquel Ledo](#), Head of the Materials Innovation Area at CTAG, [Vanessa Ventosinos](#), Senior Researcher at CTAG and [Miguel Moldes Carballal](#), Technician in Materials Innovation at CTAG. [Read Article](#)



Open Science Workshop Shines Light on FAIR Research Principles

On 20 December 2023, the SALIENT Consortium member [Fraunhofer IWU](#) held an **online webinar** entitled “**Open Science Workshop**” aiming to provide insights into the fundamentals and benefits of **open data access** and **open research principles**.



[Etelätär Innovation](#), a SALIENT partner, moderated the webinar and welcomed Mr [Sebastian Rink](#), Business Developer Engineer at Fraunhofer IWU, who shared with the participants valuable insights and information about open research. [Read Article](#)

Events

SALIENT to Participate in TRA Conference in Dublin, Ireland

Several SALIENT partners will take part in the **Transport Research Arena (TRA) 2024** expo, taking place in Dublin, Ireland from **15-18 April 2024** showcasing the recent results and developments of the project.

[TRA Programme](#)

[TRA Website](#)



News Of Interest

New process allows full recovery of starting materials from tough polymer composites



Inventors at the [Department of Energy's Oak Ridge National Laboratory](#) have designed a **closed-loop path** for synthesizing an exceptionally tough Carbon Fibre-Reinforced Polymer (CFRP) and later recovering all of its starting materials. A lightweight, strong and tough composite material, **CFRP is useful for reducing weight and increasing the fuel efficiency of automobiles, aeroplanes and spacecraft.** [Read Article](#)

Natural Fiber Composites: Sustainable Alternatives for Various Applications

The renewed **interest in natural fiber composites** in the last five years is driven by a focus on improving and stimulating rural economies, **reducing dependence on petroleum-based materials**, and adopting responsible practices for managing materials at the end of their service life.

Natural fiber composites not only offer advantageous properties at a lower manufacturing cost; they also aid in **reducing the production of greenhouse gases and preserving the environment.** [Read Article](#)



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