

SALIENT In Action

Newsletter Issue #4-2023

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.

Celebrating one year of SALIENT: An inventory of the project progress



The SALIENT project turned one year old in August 2023. The consortium partners met for a Consortium Meeting to celebrate the occasion, take inventory of the activities and findings at this moment in the project lifetime and plan the work for the upcoming two years. The meeting took place in person at the offices of consortium partner CRF (Fiat Research Centre) in Turin, Italy on 19 & 20 September 2023.

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Novel Sustainable Fiber Composite Crash Box Increases Specific Energy Absorption Significantly

Fraunhofer IWU is developing an innovative CFRP (Carbon Fiber Reinforced Plastic) 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. [Read Article](#)



SALIENT Goes 39th FISITA 2023 World Congress in Barcelona



The FISITA World Congress 2023 took place on 12-15 September 2023 in Barcelona (Spain) under the conference theme of "Lightweight & Advanced Vehicle Platforms," the SALIENT consortium has seized the opportunity to continue their objectives of attending exhibitions and events where a full-length research paper was presented.

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Events

Liaison offices join forces for Global Automotive Components and Suppliers Expo 2023 in Stuttgart, Germany

**GLOBAL
AUTOMOTIVE
COMPONENTS
AND SUPPLIERS**



SALIENT as well as several of its alliance projects will take part in the GACS 2023 expo. Namely, the projects **ALMA**, **AMULET**, **ELCA**, **FLAMINGo**, **FLEXCRASH** and **REVOLUTION** will participate alongside the SALIENT project. [Read More Expo Website](#)

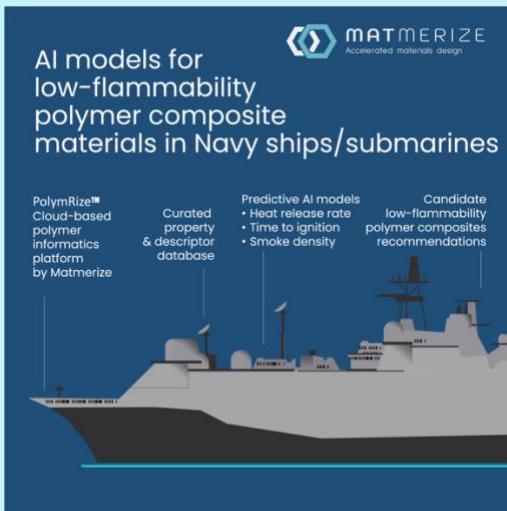


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News Of Interest

New low-flammability polymer composite materials using advanced AI methods



The US Department of Defense (DOD) has opened a new Small Business Innovation Research (SBIR) contract aimed at advancing AI methodologies for accelerating the design of novel low-flammability polymer composite materials. The new project has a transformative potential as it will not only enhance fire safety for Navy ships and submarines (for now), but will also find applications in a wide range of industries, including construction, aerospace, automotive and consumer products. [Read Article](#)

Aluminum Alloy Advancements for Lightweight Vehicles

Composites based on aluminium, well-known for their low weight and impressive strength under tension, have gained prominence as a prominent alternative material. These lightweight composites are gaining popularity, especially in the automotive sector.

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