

# GET TO KNOW THE REFLECTIVE INNOVATIONS

REFLECTIVE NEWSLETTER 2023

## VEHICLE CAD

Our light fully electric vehicle (LEV) REFLECTIVE has been designed. Its innovative concept allows the passage from persons to goods transportation throughout **reconfigurable interiors** and upgrading from one vehicle category to next with minimum modifications on the powertrain, **thanks to its intrinsic modularity**.

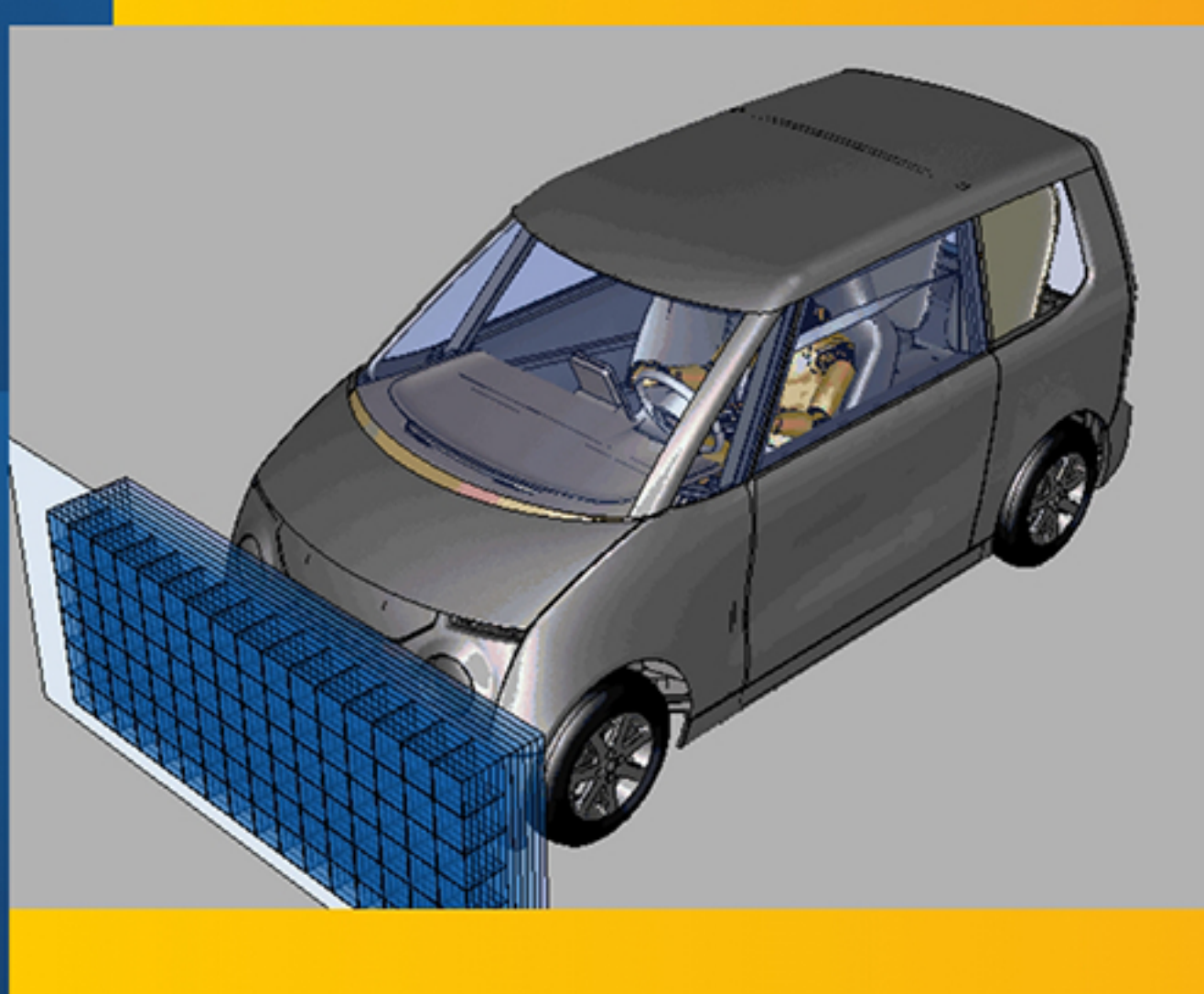


## CRASH TEST TIMELINES

Safety, one of the core topics of the REFLECTIVE Project, continues to be addressed and bring innovative results.

**Crash test preparation:** four different tests and assemblies (CADs) for those are in preparation and the revision of main components (actual or dummy) needed in the tests has been completed.

The roadmap for these tests is starting, the first test carried in January 2023, and the full vehicle testing scheduled for September 2023 at **IDIADA** Partner (Spain).



## VEHICLE REAL LIFE TESTING

The REFLECTIVE vehicle real life testing will be launched next summer 2023 at Helsinki capital area, **Finland** and **Regensburg**, Germany.

This is very exciting news for our project as it will validate the vehicle developed meets the expected impacts in terms of **energy efficiency, usability, and versatility** and the methods developed and used for the design and optimisation of the vehicle and its parts.



## PRESS RELEASE

### WIRELESS CHARGING SYSTEM

**WiTricity**, the global leader in wireless charging for electric vehicles, and **VTT**, one of Europe's leading research institutions announced a collaboration to support the EU-funded REFLECTIVE project. WiTricity's wireless charging system has been successfully installed and tested at VTT's laboratory facility in Finland and at **IDIADA**'s facilities, Spain. The project's next step will be the integration of the wireless charger into the REFLECTIVE vehicle. With the automated driving system developed by one of the REFLECTIVE partners, Finnish technology company **Sensible 4**, the REFLECTIVE vehicle can be autonomously repositioned and parked on top of the wireless charger.



## EVENTS

### EVENTS DISSEMINATION SESSION PROJECTS FOUNDED BY THE CALL LC-GV-08-2020

This event was held on 27 September 2022 and took place in **Catania** within the third **Conference on Sustainable Mobility (CSM 2022)**. The project manager **Jenni Pippuri-Mäkeläinen**, VTT, presented the main objectives of our project. The main aim of this event was to network with other winning projects securing good collaboration with other activities performed at European level that will have an impact on the **development of zero tailpipe emission mobility** in Europe. For further details, please see the web site below: [csm2022.unicusano.com](http://csm2022.unicusano.com)



### EVENTS TRANSPORT RESEARCH ARENA 2022 (TRA 2022)

**TRA**, the Transport Research Arena, is the largest European research and technology conference on transport and mobility.

In 2022, TRA took place in Lisbon, Portugal from 14-17 November 2022, at the Lisbon Congress Center (CLL). Our REFLECTIVE Video was selected to be showcased at the European Commission (EC) stand!



### EVENTS FACE 2 FACE MEETING

After the Face2Face meeting held at **IDIADA** in Barcelona, in the next April 2023 the REFLECTIVE Consortium will meet in person again, this time at the VTT and AuveTech offices in Finland and Estonia to discuss the progress made in the last months and prepare the action plan for the next (and last!) 1 year of the project.

