

DOMUS

DESIGN & OPTIMISATION
FOR EFFICIENT ELECTRIC VEHICLES
BASED ON A USER-CENTRIC APPROACH

Final Event (Online)

22 November 2021
Online via Zoom



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 769902.

About DOMUS

Dear final event attendees, Dear colleagues,

We gladly welcome you to the virtual Final Event of the DOMUS project.

The DOMUS project focusses to reduce the overall energy consumption of future Electric Vehicles (EV) in order to increase the electric range for different ambient conditions. This will be achieved by understanding in depth the comfort perception of EV users before developing reliable methodologies for designing and assessing the full vehicle context from a user-centric perspective, investigating radically new cabin designs and delivering innovative components, systems and control strategies to meet customer expectations.

Learn more about the project on the [DOMUS website!](#)

The final event is hosted by coordinator IDIADA. The main hardware and software innovations will be explained by an international consortium of 19 partners comprised by car manufacturers, Tier 1 suppliers, R&D institutes and engineering consultancies.

During the event, you will be informed more on the goals reached and videos of demonstrations will be shown.

The Team



Programme

- 14:00 Welcome by the Coordinator and word from the European Commission
- 14:10 Presentation of the project and its main results
- 14:30 Introduction to demo car innovative components and their performance
- 15:10 Electric vehicle cabin disruptive designs: from sketches to full scale Mock-Up
- 15:15 Break
- 15:25 Virtual assessment and optimization of comfort controller and cabin configuration
- 15:45 Discussion
- 16:20 Break
- 16:30 Parallel sessions: In depth explanation of hardware and software innovations

- 🌀 Parallel session one: Active Glazing and Permanent Anticoating - Main room (click [here](#) for the link)
- 🌀 Parallel session two: Radiant panels and cabin configuration optimization
 - Room 2 (click [here](#) for the link, PIN: 302154)
- 🌀 Parallel session three: Automatic control logic and HVAC
 - Room 3 (click [here](#) for the link, PIN: 608455)
- 17:30 Closure (which will take place in the [Main room](#))



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