

PRESS RELEASE

ODYSSEV holds its second hybrid Project Meeting in Dortmund, Germany

The ODYSSEV project held its second Project Meeting, on 23 June 2026, hosted by FachHochschule Dortmund (FHDO) in Dortmund, Germany. The meeting was held in a hybrid format and brought together the consortium to review progress across the work packages, strengthen the collaboration between the technical partners and agree on the priorities for the months ahead.

A key focus of the meeting was the presentation of the first version of the ODYSSEV main technical priorities, key indicators to be monitored and preliminary powertrain architecture. The proposed architecture targets an electrical powertrain that will offer traction at 1200 V, delivering a peak traction power of 100 kW and compatibility with fast charging of up to 350 kW. Also, the powertrain will offer charging at lower voltages (400 and 800 V).

Partners also shared progress on several core technologies, including the vehicle's thermal management strategy, the on-board charger, the battery architecture, the inverter and the ODYSSEV cloud platform. The platform will be able to connect partner testing facilities, enabling collaborative simulation and validation activities across the consortium. In parallel, work on the electric motor has advanced through the initial evaluation of multiple motor topologies, comparing designs against the project's objectives for efficiency, weight and reduced reliance on rare-earth materials.

The meeting also provided an opportunity to review ODYSSEV's communication and dissemination activities. Partners assessed the project's outreach efforts, including its website, social media presence and [promotional material](#), such as the project leaflet, poster and banner. The project [website](#) and social media channels ([LinkedIn](#), [Facebook](#) and [X](#)) have continued to grow steadily, while a [promotional video](#) was recently released. The consortium also highlighted its participation in international conferences and events, as well as its ongoing [collaboration initiatives](#) with the [2Zero Partnership](#), the E-VOLVE cluster and three sister projects working on high-voltage electric mobility: [ENLIGHTEN](#), [HiVeP](#) and [GEN1200](#).

Partners also had the opportunity to visit several laboratories at Dortmund University, including the [laboratory of Vehicle Electronics, Power Electronics and Electrical Drive systems](#), the [High-Voltage laboratory](#) and the [Nuevo35 research vehicle](#) gaining insights into FHDO's research infrastructure supporting power electronics, electric mobility and system validation activities.

The meeting confirmed the strong momentum behind ODYSSEV as it enters its next phase of technical development. The consortium concluded the meeting with a clear roadmap for the coming months and will reconvene for its next Project Meeting in early 2027 in University College London.

"The meeting reflected the strong collaborative spirit of the ODYSSEV partners, actively exchanging technical insights, aligning on upcoming priorities and reinforcing their shared commitment to advancing the project's next development phase." – said the project manager of CIRCE (the project coordinator).



About ODYSSEV

Funded by Horizon Europe under Grant Agreement No. 101192612, ODYSSEV (Optimised DYNamics of high voltage powertrains: developing Sustainable Systems for Electric Vehicles) brings together 14 partners from 8 countries to develop a high-voltage powertrain, above 800V, for a battery electric vehicle. The project develops a hybrid inverter, a high-voltage electric motor and a reconfigurable battery pack, integrated into a demonstrator vehicle, aiming to reduce costs, losses and weight while enabling faster charging and longer driving range for the next generation of EVs.