

FASTEST to Co-Host twinBATT Cluster Webinar on the Future of Battery Innovation

• The webinar offers a unique opportunity to explore the collaborative potential of European battery research and innovation.

• It brings together leading experts and project coordinators to share insights on next-generation battery testing and validation.

Ninove, Belgium, 29 April 2025. The FASTEST project will co-host the <u>upcoming twinBATT</u> <u>Cluster Webinar: Advancing Battery Innovation</u>, taking place online on 5 May 2025 at 09:00 CET. The event brings together four Horizon Europe projects—<u>DigiBatt</u>, <u>AccCellBaT</u>, <u>FASTEST</u>, and <u>THOR</u>—under the newly formed twinBATT cluster to discuss shared goals, technical advances, and future collaboration.

Attendees will gain exclusive insights into advances in digitalization, virtualization, and smart testing protocols that are poised to redefine how batteries are developed, tested, and deployed throughout Europe. All projects under the Horizon Europe programme, they are a sample of the battery research in Europe. Each of the cluster's projects brings a unique strength to this shared mission:

- **DigiBatt** is accelerating battery testing with cutting-edge digital tools and advanced physical workflows, reducing testing time by 30% and lowering costs by 20%.
- **THOR** revolutionizes battery development by deploying Digital Twin technology to simulate battery behavior in virtual environments
- **AccCellBaT** pioneers the use of virtualization, front-loading, and continuous validation and verification to optimize battery design.
- **FASTEST** introduces a fast-track hybrid testing platform that integrates physical and virtual testing using advanced Design of Experiments strategies.

By forming the twinBATT Cluster, these four ambitious projects are uniting under a shared vision: to drive battery innovation and sustainability through coordinated outreach, collaborative research, and joint events such as webinars and workshops. The cluster promotes cross-sector collaboration and lays the groundwork for new standards in battery testing and validation that will support Europe's green energy transition.

Webinar Registration and Agenda





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About FASTEST

Led by ABEE, FASTEST is made up of BMZ Germany, COMAU, FEV, Flash Battery, Flanders Make, Fraunhofer Gesellschaft, IKERLAN, INEGI, Mondragon Unibertsitatea, Surrey University, Sustainable Innovations, University of Ljubljana, and VTT. The project has received €4,781,008 in funding from the European Union's Horizon Europe research and innovation program under grant agreement number 101103755.

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