



## GIGAGREEN Project Joins Forces with other three EU-funded projects at Transport Research Arena 2024

- *TRA 2024, Europe's leading transport event, themed "Transport Transitions: Advancing Sustainable and Inclusive Mobility," will take place in Dublin, Ireland from April 15 to 18.*
- *The Battery Heroes clustering, formed by GIGAGREEN, NoVoc, BatWoman and GREENSPEED projects, will have a booth where advances and aims in the battery innovation field will be presented.*

Turin, Italy, March 26<sup>th</sup> 2024. GIGAGREEN, an EU-funded project that aims to develop and scale up novel electrode and cell component manufacturing processes that follow a Design to Manufacture approach will be present at Transport Research Arena 2024. GIGAGREEN is part, along with another three sister projects (NoVoc, BatWoman and GREENSPEED), of a clustering initiative called Battery Heroes, whose aim is to foster advances and innovations from the battery research environment.

At TRA 2024, GIGAGREEN will showcase its progress in advancing a suite of novel materials, including binders, electrolytes, separators, cathode, and anode active materials. These materials are tailored to innovative dry and wet electrode processing techniques, paving the way for the creation of Design to Manufacture guidelines and a data-driven Digital Twin.

The Transport Research Arena (TRA) stands as Europe's primary transportation gathering, encompassing every mode of transport and facet of mobility, as well as the premier European conference dedicated to research and technology in transportation and mobility. It will take place in Dublin, Ireland, from April 15 to 18. TRA provides a pivotal platform for researchers, policymakers, and industry delegates to collaborate on reshaping transport and mobility through research and innovation, fostering knowledge exchange on European mobility trends, industry achievements, and policy implementations.

This encounter will be an opportunity for the four projects to create even more synergies, disseminate their early results and communicate their aims, as well as to stay in contact with different stakeholders from the entire battery value chain. A special space will be created for young scientists and students, who will be able to learn from the technical experts involved in the projects and get to know the current innovations in the field.





GIGAGREEN's aims are, indeed, in line with the ones of the other three projects. The BatWoMan project aims to make lithium-ion battery production in the EU more sustainable and cost-efficient, targeting over 50% reduction in costs and energy consumption for low-emission manufacturing. The NoVOC project aims to develop and compare two innovative methods for battery electrode production—water-based and dry processes—targeting eco-friendly and energy-efficient automotive battery manufacturing. Finally, greenSPEED project is pioneering sustainable electrode and cell manufacturing with reduced energy usage, and zero VOC emissions.

### **About GIGAGREEN**

Led by Politecnico di Torino, GIGAGREEN is formed by Sustainable Innovations, ABEE, Solvonic, Leclanche, Nanomakers, Parma University, Politechnical University of Valencia, Sintef, Inegi Porto, Cic Energigune, Arlanxeo, Alphanov, Manz Italy, and CETIM.

Funded by the EU's Horizon Europe program, GIGAGREEN is a four-year project aimed at revolutionizing cell manufacturing processes for electric vehicles, with a focus on sustainability and efficiency.

### **About Battery Heroes**

In line with the cooperation spirit promoted by the European Commission, Battery Heroes is a clustering group formed by four EU-funded projects on battery innovation: NoVoc, greenSPEED, BatWoman and GIGAGREEN.

These projects share a common goal of advancing sustainable and efficient manufacturing processes for lithium-ion batteries in the EU, with a focus on reducing costs, energy consumption, and environmental impact.



Funded by the European Union under grant agreement N° 101069707. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or [name of the granting authority]. Neither the European Union nor the granting authority can be held responsible for them.

