



6 EU-FUNDED PROJECTS

Closely collaborating towards the production of batteries with lower carbon footprint.



ABOUT

BatWoMan aims to enable sustainable, cost-effective lithium-ion battery cell production in the EU by eliminating volatile organic compounds in electrode processing and using high dry mass content slurries. The project introduces reduced dry room requirements, improved electrolyte filling, and efficient cell conditioning processes. An AI-based platform and digital battery dataspace will support these advancements, with the goal of cutting production costs and energy consumption by over half, promoting low-emission battery manufacturing.

CONTACT



ABOUT

The greenSPEED consortium aims to strengthen Europe's leadership in low-carbon battery production by developing sustainable electrode and cell manufacturing processes with lower energy use, reduced carbon footprint, and zero VOC emissions. The project addresses two main issues in current battery production: high energy demands and the use of organic casting solvents. By tackling these, along with enhancing energy density, greenSPEED will significantly lower lithium-ion cell costs.

CONTACT



ABOUT

In the NoVOC project, our goal is to create, showcase, and compare two cutting-edge methods for making battery electrodes: one using water-based manufacturing and the other using a dry process.

These electrodes will later be used for the production of automotive batteries. Our focus is on producing these electrodes in an environmentally friendly and energy-efficient way for a greener future in Europe and beyond.

CONTACT



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ABOUT

GIGAGREEN aims to advance Europe's leadership in the Li-ion battery value chain by developing scalable, eco-friendly electrode and cell manufacturing processes. The project focuses on minimizing environmental impact, reducing energy use, enhancing cost-efficiency and safety, and creating cell designs optimized for re-use and disassembly. It also targets high-throughput technologies that support easy scale-up and automation for Industry 4.0/5.0 gigafactories.

CONTACT



GIGABAT

ABOUT

GIGABAT is an EU-funded project focused on advancing sustainable and digitalized gigafactories for battery production using European-made machinery. The project aims to strengthen Europe's battery manufacturing value chain by reducing emissions, enhancing battery performance and cost efficiency, and promoting circular production. Through digitalization and sustainable practices, GIGABAT envisions a future of efficient, eco-friendly energy storage in Europe.

CONTACT



BATMACHINE

ABOUT

BATMACHINE, a Horizon Europe-funded project, aims to make battery manufacturing in Europe greener and more cost-effective by creating optimized machinery with intelligent controls to cut costs, waste, and energy use. The project's vision is to enhance EU battery cell production through new machines that lower energy needs, boost efficiency, and use AI-driven processes to reduce waste.

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