

# *BATMACHINE PRESS RELEASE #1*

Boosting Europe's sustainable battery cell industrial manufacturing value chain by developing an optimised machinery with intelligent control processes to minimise costs, scrap, and energy consumption



Funded by  
the European Union

# BATMACHINE Project Set to enhance Europe's Sustainable Battery Cell Manufacturing

[Brussels, 31.01.2024] - The BATMACHINE Project, a groundbreaking initiative aimed at enhancing Europe's sustainable industrial battery cell manufacturing value chain, is poised to unveil an innovative machinery solution. The project focuses on developing optimised machinery with intelligent control processes, strategically designed to minimise costs, reduce waste, and optimise energy consumption. BATMACHINE started in June 2023 and will last until November 2026.

Funded under the [EU Horizon Europe](#) framework, the core vision of BATMACHINE is to elevate and fortify EU battery cell industrial production by introducing cutting-edge manufacturing machines. By creating innovative manufacturing machines, the project aims to significantly reduce the energy required for production, increase efficiency rates, and integrate cutting-edge AI-based control processes to minimise scrap and energy consumption.

Key objectives of the BATMACHINE Project include:

- Develop new battery cell manufacturing machinery, with a priority on minimising the energy required for cell production.
- Implement intelligent quality control processes and Industry 4.0 technologies.
- Optimise cost and energy consumption in the battery manufacturing process.
- Implement environmental standards at the design stage and analyse the environmental and social impacts of different machinery and supply chains.
- Develop a horizontal integration procedure of the European battery process equipment supply chain into the growing production of giga-scale battery cells.
- Enable and intensify deeper collaboration between different stakeholders.

## Consortium Partners

The BATMACHINE consortium involves 11 partners from 7 countries, including 2 Universities ([Vrije Universiteit Brussels - VUB](#), [Rheinische-Westfaelische Technische Hochschule Aachen – RWTH Aachen](#)), 4 battery cell manufacturers ([Netzsch Feinmahltechnik – NFT](#), [Pomega](#), [Cegasa](#), [Leclanché](#)), 4 Research & Technology organisations ([TEKNIKER](#), [SKZ](#), [SINTEF/SINTEF Ocean](#)), and 2 SMEs, [Deep Blue as Human Factors and communication expert](#) and [FOM Technologies](#), a manufacturer of slot-die coating machines. The project is coordinated by Vrije Universiteit Brussels – VUB.

*“It is vital for EU to enhance and develop its cell battery sector: energy storage is now more relevant than ever, and the European Union needs to develop this sector if we want to be self-sufficient and competitive”.*

Johan Blondelle – [DG Research & Innovation](#)

About BATMACHINE Project:

The BATMACHINE Project is committed to driving positive change in the European battery cell manufacturing landscape. By developing state-of-the-art machinery with intelligent control processes, BATMACHINE aims to set new benchmarks in energy efficiency, cost-effectiveness, and environmental sustainability.

For more information, please visit <https://batmachineproject.eu/>

Info at: [info@batmachineproject.eu](mailto:info@batmachineproject.eu)

Media Contact: Alessandro Tedeschi Gallo: [alessandro.tedeschigallo@dblue.it](mailto:alessandro.tedeschigallo@dblue.it)