

## CONTACTS

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### Project timeline:

June 2023 - November 2026



## PARTNERS



**NETZSCH**

**RWTHAACHEN  
UNIVERSITY**



**CEGASA**



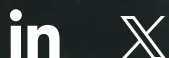
**Sustainable battery  
cell industrial  
manufacturing  
value chain  
by developing  
an optimised  
machinery**



WEBSITE

[batmachineproject.eu](http://batmachineproject.eu)

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Founded by the European Union

## PROJECT OVERVIEW

Battery manufacturing must become greener, energy-efficient and cost-effective. BATMACHINE project will boost the European competitiveness by developing tailored EU-made intelligent machineries to manufacture sustainable industrial-scale battery cells.

## ABOUT

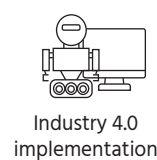
The BATMACHINE consortium composed of 11 partners from universities, research organizations and industry distributed to 6 countries dedicated to deliver energy-efficient exclusive slurry mixers and slot-die coaters equipped with AI-based control processes ready for industrial uptake.

## CONCEPT IMAGE

### COMPETITIVE AND SUSTAINABLE EU BATTERY PRODUCTION

### GOALS

### OBJECTIVES



## OBJECTIVES

1

Develop new battery cell manufacturing machinery, prioritising the minimisation of energy required for cell production, and improvement of plant efficiency;

2

Implement intelligent quality control processes and Industry 4.0 to enable the site integration and optimisation;

3

Optimise the cost and required energy of the battery manufacturing process, including the integration of low-carbon and low-emission energy sources;

4

Implement environmental standards at the design stage and analyse environmental and social impacts of different machineries and supply chains to suggest best practices;

5

Develop a horizontal integration procedure of the European battery process equipment supply chain into the growing production of giga-scale battery cells;

6

Support deeper collaboration between stakeholders (e.g. battery process equipment companies, industrial-scale cell manufacturers, materials and energy supply chain sectors).