



INNENERMAT



INNOVATIVE NANOSTRUCTURED MATERIALS AND SMART TEXTILE ELECTRODES FOR NEW GENERATION OF BATTERIES AND SUPERCAPACITORS



Call: M-ERA.NET Call 2019
Acronym: INNENERMAT

Duration: 30 months
Start date: 01 Sep 2020

Estimated Project Cost:
€ 1.594.796

Contact:
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The project focuses on the development of new active materials and components for competitive energy storage devices: **Lithium-Sulfur batteries and supercapacitor systems.**

It is planned to design structurally and chemically advanced functional carbon materials, smart textiles, metal oxides and hybrid solid-state electrolytes to make a substantial advancement in the very important area of production of sustainable energy storage devices.

The participation of industrial partners allows to easily integrate all the new developments and to perform a proof-of-concept for automotive applications, and other electronical devices, contributing to the positioning of Europe in this relevant topic.

A techno-economic feasibility analysis will also be considered in order to give, at the end of the project, a realistic approach of the technology.



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