PROJECT

NAIMA

Na Ion materials to manufacture battery cells for non-automotive applications

NAIMA project will demonstrate that two new generations of highly-competitive and safe Na-ion cells are some of the most robust and cost-effective alternatives to unseat current and future Li-based technologies in dedicated storage applications.

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement Nº 875629

15	8	€8 M	3
PARTNERS	COUNTRIES	TOTAL BUDGET	YEARS

EN UN CLICK		
Coordinador	**Programa**	**Fechas**
TIAMAT	HORIZON 2020	2019-2022
Sector	**Web**	
Batteries	www.naima.eu	

01 Challenge

The NAIMA project will demonstrate that two new generations of highly-competitive and safe Na-ion cells developed and tested during the project are some of the most robust and cost-effective alternatives to unseat current and future Li-based technologies in dedicated storage applications, nowadays controlled by Asian industry. The Na-ion disruptive technology is already supported by a solid European Battery value chain through their solid commitment of substantial investments in the manufacturing of all components of a battery, preserving the ownership and industry strength around EU countries.

02 Solution

Within the framework of the project, 6 SIB prototypes will be tested in 3 multi-scale Business Scenarios to provide solid evidences about the competitiveness of the technology in 3 real environments. To that end, the involvement of the end users (EDF, GESTAMP, GOLDLINE) will play a crucial role as strict "technology auditors" to assess the feasibly of becoming "potential buyers" of SIBs in their business ecosystems. Furthermore, the "sustainability approach" will be ensured by the definition of concrete 2nd life potential applications and the fulfilment of a high recycling efficiency rate.

03 Impacts

The EU is transitioning to a secure, sustainable and competitive energy system as laid out in the EC's Energy Union strategy. The growing penetration of renewable energy sources in the EU energy market, go hand in hand with a high competitiveness of the most consolidated technologies: Wind Energy and Solar Photovoltaics