

Energy storage for electric vehicles nicosia

Horizon Europe is the European Union (EU) funding programme for the period 2021 – 2027, which targets the sectors of research and innovation. The programme's budget is around EUR 95.5 billion, of which EUR 5.4 billion is from NextGenerationEU to stimulate recovery and strengthen the EU's resilience in the future, and EUR 4.5 billion is additional aid.

The objective is to develop interoperable distributed storage technology to enable the seamless utilization and monetization of storage flexibility within a real life environment.

Pilots need to demonstrate innovative Battery Energy Storage Systems (BESS) and Hybrid Energy Storage Systems HESS solutions within the home, building, community and stand-alone and power grid connected together with TSO and/or DSO, including real-time data sharing and operation. At least 2 pilots, with different use cases (overall covering both BESS and HESS systems), should present interoperable solutions involving different types of BESS.

The need for standard harmonization across industry sectors should be explored, along with legislation and demonstration of scalability and stimulation of spill-over effects, for example towards applications beyond road transport. Feedback mechanisms from the users should be envisaged to allow adaptation and optimisation of the technological and business approach to the particular use case. The Commission will make sure that projects benefit from SSH expertise through the cooperation in Bridge.



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Contact us for free full report

Web: <https://www.hollanddutchtours.nl/contact-us/>

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

