

What is flow batteries Europe?

Flow Batteries Europe represents flow battery stakeholders with a united voice to shape a long-term strategy for the flow battery sector. We aim to provide help to shape the legal framework for flow batteries at the EU level, contribute to the EU decision-making process as well as help to define R&D priorities.

How many flow batteries are installed in Europe?

Between 2010 and 2019, only 7% of the world's flow battery projects were installed in Europe, with much more R&D and commercial support taking place in North America and Asia. "Forming FBE is a great opportunity to ensure that Europe takes full advantage of this exciting, safe and efficient battery energy storage technology".

Are flow batteries safe?

Flow batteries are also safer than comparable technologies given that the liquid electrolytes are chemically stable. Finally, flow batteries are an easy fit with existing renewable energy infrastructure; they are often designed to work with renewable energy systems and can be easily controlled through energy management systems.

What are the advantages of flow batteries?

Flow batteries also have environmental and safety advantages over alternative LDES technologies. They have long life cycles of around 20 years, reducing replacement and maintenance costs. Flow batteries can moreover be built using low-cost, non-corrosive and readily-available materials.

Why do flow batteries need a target?

Targets signal consistency of future demand in the market. They provide a sense of stability and predictability that encourages private sector investments in associated supply chains. Such stable foundations are necessary for flow batteries as they are still at an early market creation stage.

Our vision is to accelerate the decarbonisation in Europe and globally by increasing the deployment of energy storage and flexibility solutions through flow battery applications. We aim to achieve it in two key ways.

09 October 2023: In January 2023, FBE joined Batteries Europe, a European Technology & Innovation Platform dedicated to advancing Research and Innovation initiatives on batteries. This partnership aims to expedite the development of a highly competitive European battery industry.

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We aim to provide help to shape the legal framework for flow batteries at the EU level, contribute to the EU decision-making process as well as help to define R& D priorities. Flow Batteries Europe is working to create and reinforce networks between key stakeholders in the flow battery industry.

Flow Batteries Europe sent a statement to the media, including this site, acknowledging that this has been amended. Flow batteries are now included in the scope of the Passport's main sustainability provisions, such as ...

Flow Batteries Europe gathers interested stakeholders to advance R& D, commercialisation and deployment of flow batteries in Europe. To achieve this, the Secretariat engages and promotes flow batteries with European and other relevant organisations.

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