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# The EU's new generation of flow batteries

What is flow batteries Europe?

About Flow Batteries Europe Flow Batteries Europe (FBE) is an international non-profit association aimed at accelerating decarbonisation in Europe and globally by increasing the deployment of energy storage and flexibility solutions through flow battery technology.

Who are flow batteries Europe & flexbase?

To mark the start of the construction phase, leaders from Flow Batteries Europe (FBE) and the FlexBase Group met in Laufenburg, Switzerland to solidify cooperation on addressing energy security at the European level as the growing reliance on renewables continues to drive the need for long-duration storage.

What is FBE's new flow battery system?

Leaders from FBE and the private equity-backed FlexBase Group met in Laufenburg, Switzerland to mark the launch. The flow battery system, on a 20,000 m<sup>2</sup> site, will be able to store energy for hours or even days, to maintain grid stability during periods of low wind and solar output, FBE said.

Why is battery production important for the EU?

Batteries, widely used in the transport and energy sectors, are central to the global energy system. They will be key to the EU's clean energy transition, industrial future and strategic autonomy. Boosting the industrial base for battery production is therefore a key task for the EU.

The flow battery startup XL Batteries is bringing its organic formula to bear on the market for long duration wind and solar energy storage.

Flow Batteries Europe presents the new FBE news series The Voices of the Flow Battery Industry! This news series will give a new space for FBE members to share success stories ...

Flow Batteries Europe is the key body representing the flow battery value chain in the EU. Together with our Members, we discussed current and future scenarios of LDES ...

This drastically reduces lifecycle costs. Safety: Without the risk of thermal runaway, flow batteries offer a safer alternative to lithium-ion in high-temperature or sensitive ...

This drastically reduces lifecycle costs. Safety: Without the risk of thermal runaway, flow batteries offer a ...

Built on the strong foundation of Jenabatteries GmbH, the company emerged through strategic acquisitions. Our dedicated core team continues advancing research and ...

Enter flow batteries - Europe's new best friend in the renewable energy dance. As the continent races toward its 2030 climate targets, flow battery installations grew 78% year-over-year in ...

Introduction In June 2023 the European Court of Auditors (ECA) published a special report titled "The EU's Industrial Policy on Batteries - New Strategic Impetus ...

June 20, 2025: Construction of an 800 MW/1.6 GWh flow battery has been launched on the borders of three European countries, Flow Batteries Europe (FBE) announced on June 17. ...

Construction work for the world's largest flow battery started last month at the strategic critical electrical

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grid interconnection point on ...

A world-first demonstration combining tidal power, battery storage and hydrogen production has been completed at the European Marine Energy Centre (EMEC) in Orkney, ...

The project linked Orbital Marine Power's O2 tidal turbine, vanadium flow batteries from Invinity Energy Systems and an ITM Power 670kW electrolyser. EMEC tested multiple ...

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