BLINK SOLAR

Hamburg Flow Battery Germany

Overview

What is the world's largest flow battery project?

Construction is underway on the world’s largest flow battery project at a key cross-border grid hub where Germany, France and Switzerland converge. The project aims to stabilise power flows across national lines, bolstering energy resilience and supporting long-duration renewable integration.

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 m2 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.

What is a flexbase flow-battery?

Designed to operate for hours or even days, it avoids the use of critical raw materials, offering a safer, scalable solution for Europe’s energy needs. “Building an 800MW and 1.6GWh flow-battery is something nobody has ever done before,” said Marcel Aumer, group CEO, VRP and co-founder of FlexBase Group.

Is Laufenburg a safe energy storage facility?

The Laufenburg facility will showcase one of the safest energy storage technologies available — non-flammable, non-explosive, and free from critical raw materials such as lithium or cobalt, the association said.

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Port of Hamburg uses green 'smart batteries' to support the German

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Germany's Flow Battery Market: Driving Energy Transition ...

Explore Germany's leadership in the flow battery market, supported by renewable energy goals, government investments, and AI-driven optimizations. Learn about innovative ...

Europe's largest flow battery project launched

Our MD and Flow Batteries Europe Secretary General, Anthony Price, visited the construction site of the world's largest flow battery in Laufenburg, last week. Located at a key cross-border grid ...

Europe's largest flow battery project launched to boost ...

Construction work to build the world's largest flow battery has commenced at the strategic and critically important electrical grid interconnection point on the borders of German, ...

1.6 GWh flow battery project launched in Europe

J: 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. ...

Port of Hamburg uses green 'smart batteries' to support the German

Driverless container transporters operating in the port of Hamburg, Germany, at the HHLA Container Terminal Altenwerder, are being run on lithium-ion batteries instead of diesel. The ...

Europe launches largest flow battery project

Construction is underway on the world's largest flow battery project at a key cross-border grid hub where Germany, France and Switzerland converge.

Germany: Fluence/TransnetBW turns sod, EU funds LEAG ...

Fluence and Transnet executives at the ground breaking ceremony. Image: Fluence. A double-header of big news from Germany, with construction starting on a 'Grid ...

Europe's largest flow battery project launched to boost ...

18 June 2025: Construction work for the world's largest flow battery started this month at the strategic critical electrical grid interconnection point on the borders of Germany, France, and ...

HAW-Hamburg: Elektrochemische Energiewandlung

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