

A-Core Container

New battery energy storage system in Switzerland



Overview

In the Swiss town of Laufenburg, at the junction of the borders of Switzerland, Germany, and France, construction has begun on one of the most ambitious energy projects in recent years – the Technology Center Laufenburg (TZL). This is not only a record-breaking flow battery (redox) energy storage system in terms of scale but also a symbol of the upcoming transformation of Europe's energy landscape. Where is the largest battery storage system in Switzerland?

In Kappel, in the canton of Solothurn, one of the largest battery storage systems in Switzerland is currently under construction, with a total capacity of 65 megawatt-hours. The successful delivery of all system components marks a key milestone on the path to commissioning. Primeo Energie will use our storage system to provide energy flexibility.

Which energy storage projects have been commissioned in Switzerland?

Axpo commissioned its BESS in February this year while utility Thurplus commissioned a 3MW system in September last year. But Switzerland was the location for one of the largest energy storage projects commissioned in recent years, a 20GWh pumped hydro energy storage (PHES) unit which started operations in June 2022 in the Canton of Valais.

Is MW storage the country's largest battery storage project?

MW Storage is a developer of BESS projects which is also active in the German market, with a 100MW/200MWh project underway that it claimed is the country's largest. The inauguration ceremony for the BESS project. Image: EWS AG. EWS AG and MW Storage have expanded a battery storage project in Switzerland to 28MW, making it the country's largest.

Where is the world's largest battery storage system located?

To be located on a 20,000 sqm (215,280 sq ft) site in Laufenburg in the canton of Aargau, Erne said the 500MW project will be the world's largest battery storage system. The companies are redeveloping a former Swissgrid building.

Does Switzerland's new large-scale battery support the Energy Strategy 2050?

The new large-scale battery for Switzerland in Kappel supports the Energy Strategy 2050 and supports renewable energies.

Could a redox flow battery be Europe's largest flow storage system?

Flexbase Group has broken ground on an 800 MW/1.6 GWh redox flow battery project in Laufenburg, Switzerland, in what could become one of Europe's largest flow storage systems. The multi-use site will integrate utility-scale storage, an AI data center, and district heating. From ESS News

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