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Title: Large-scale energy storage power station in Switzerland

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Where is the largest battery energy storage system in Switzerland?

The project in Ingenbohl, Switzerland. Image: EWS AG. Utility EWS AG and developer MW Storage have completed the expansion of a battery energy storage system (BESS) project in Switzerland from 20MW to 28MW, making it the country's largest.

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.

What role does hydropower play in Switzerland's energy production?

Hydropower plays a major role in Switzerland's energy production, with a share of 57.6%. In addition, storage plants are an important factor for power production at short notice and for the changeover of production from summer to winter.

Will large-scale battery storage help stabilize the power grid in 2050?

The country is pursuing the goal of transitioning its energy supply entirely to renewable sources by 2050. "Large-scale battery storage systems will play an increasingly important role in stabilizing the power grid in the future." -- Frederik S&#252;llwald, Head of Global Sales & Key Account Management, INTILION

Large-scale hydropower Hydropower plays a major role in Switzerland's energy production, with a share of 59.5%. In addition, storage plants are an important factor for power production at short notice and ...

Hydro Power 2.0: When Water Meets Lithium-Ion Traditional pumped-storage plants like Nant de Drance (a beast capable of powering 400,000 homes) now share the stage with grid-scale ...

Pumped storage power plants are an efficient means of large-scale energy storage, and an important part of the strategy to add renewable energy such as wind and solar generation to the power mix, ...

As Switzerland accelerates its transition to clean energy, the Zurich Power Plant Energy Storage Project stands

# Large-scale energy storage power station in Switzerland

at the forefront of innovation. This article explores cutting-edge storage solutions reshaping ...

This large-scale energy storage project plays a key role in stabilizing Switzerland's renewable energy supply. It smooths out the fluctuations of solar and wind power caused by ...

It is being monetised in the Swiss electricity market by both CKW, part of Axpo, and utility Alpiq, the announcement said. The BESS is part of a network of power plants, consumers and ...

**Conclusion** Not all energy storage technologies are suitable for large-scale and/or long-term storage. The most used existing techniques are pumped storage and power-to-X solutions. ...

With this large-scale storage system, we are making an important contribution to implementing Switzerland's Energy Strategy 2050. The country is pursuing the goal of transitioning its energy ...

Since March 26, 2021, a large-scale energy storage system with a capacity of 1.25 megawatts and 1.3 megawatt-hours has been operational for Rhienergie AG in Graubünden, ...

Large battery storage systems are like large power banks for the grid: they can balance out fluctuations between generation and consumption, trade energy on the control energy market ...

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