

# **50GWh power storage project in Zurich Switzerland**





## Overview

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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.

Will hydropower grow in the Swiss Energy Strategy 2050?

In order to compensate the vanishing nuclear generation, hydropower is supposed to grow in the Swiss Energy Strategy 2050. While hydropower shows great benefits and ecological strengths such as high efficiencies and very low CO<sub>2,eq</sub> per unit of electricity generated, it does have impacts on the aquatic environment.

Does human-made storage capacity decrease in Switzerland?

The reduction of human-made storage capacity in Switzerland is not precisely known or monitored. Empirical lumped estimates indicate an annual rate of loss of storage volume of  $\approx 0.2$  to  $0.5$  % of the total storage capacity in Switzerland and worldwide, respectively (Schleiss et al., 2010; Schleiss et al., 2016; Boes, 2011a; ZeK HYDRO, 2020).



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### [Italy to hold first energy storage capacity ...](#)

Oct 18, 2024 · The energy minister of Italy has signed a decree paving the way for an energy storage capacity auction to kick off in the first half of 2025.

### [Switzerland's EUR2 Billion Energy Storage Project: Powering the ...](#)

Jun 4, 2025 · But with Switzerland's track record in balancing ecology and innovation, this could set new standards for sustainable energy storage. As European countries scramble to meet ...



### [Switzerland: EWS and MW Storage expand battery unit to ...](#)

May 29, 2024 · 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 ...



### **EVE Energy to invest in 50GWh energy-storing power battery project ...**

Apr 28, 2022 · On April 27, EVE Energy announced that it signed Project Investment and Cooperation Agreement with the management commission of Chengdu Economic ...



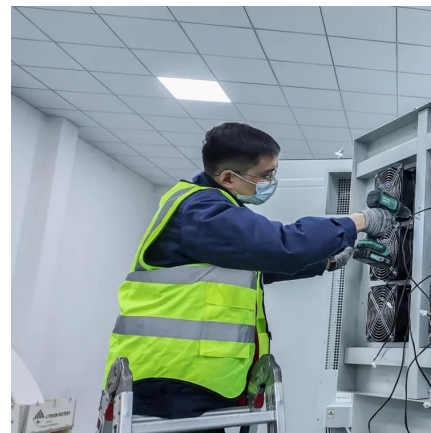
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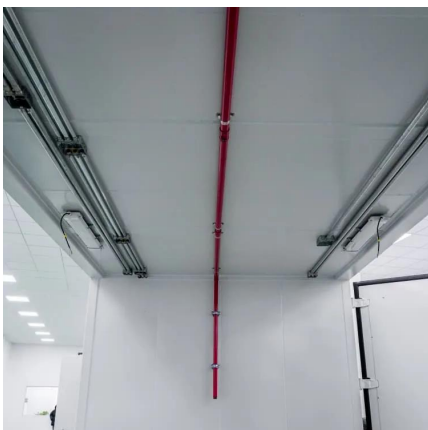
**Pumped Hydro Storage · Swiss Energy Storage Overview by BFH-CSEM Energy**

Nov 15, 2019 · Pumped Hydro Storage Pumped hydro storage is one of the oldest energy storage technologies and the one with the biggest commercially used capacity installed. Below is a list ...



[Energy Storage Tech Startups in Zurich, Switzerland](#)

Jul 8, 2025 · Energy Storage Tech Sector in Zurich has a total of 13 companies which include top companies like apheros, Chimpy and ElectricFeel.





[Chinese power battery maker CALB's 50GWh ...](#)

Jun 30, 2021 · The rapid growth of China's electric vehicle industry has created a huge demand for power batteries, and manufacturers are ...



[Demand for energy storage in Switzerland, ZHAW Zurich ...](#)

The study examines the need and role of energy storage in Switzerland for the years 2035 and 2050. It considers various types of storage -- electricity, heat, and gas/liquid storage -- and ...



**Energy Vault deployed first energy storage installation in Switzerland**

Dec 4, 2025 · At Schindler Group's global headquarters in Ebikon (Canton of Lucerne), Energy Vault has deployed an energy storage system which is operating and qualified by Swissgrid. ...



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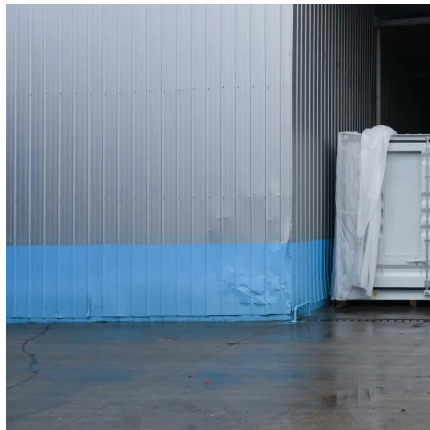
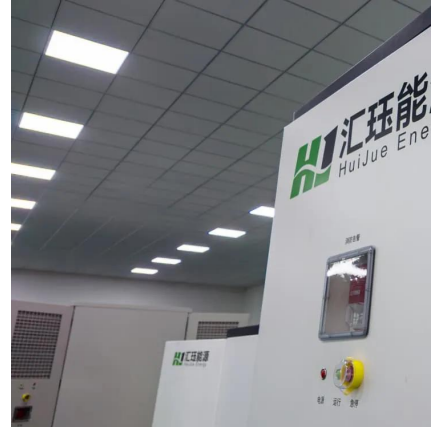
SunContainer Innovations - Summary: The Zurich Energy Storage Project 2024 is a groundbreaking initiative aimed at advancing renewable energy integration and grid stability in ...





[Pumped Hydro Storage · Swiss Energy ...](#)

Nov 15, 2019 · Pumped Hydro Storage Pumped hydro storage is one of the oldest energy storage technologies and the one with the biggest ...

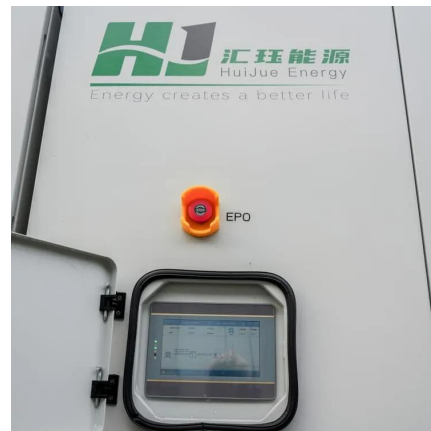


[Switzerland: 20GWh pumped hydro energy ...](#)

Jun 29, 2022 · A pumped hydro energy storage (PHES) plant with a capacity of 20GWh in Valais, Switzerland, will begin operations on Friday, 1 July.

[Switzerland gets 7.5MWh PCR energy storage ...](#)

Sep 7, 2017 · The project will dwarf previously developed battery storage systems in Switzerland - EKZ previously installed a 1MW / 500kWh ...



[Guoxuan High-tech 50GWh power battery ...](#)

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### Swiss Potential for Hydropower Generation and Storage

Sep 1, 2021 · The additional stored energy equivalent of these 20 reservoirs would increase the current maximum Swiss energy storage in HP reservoirs of 8.82 TWh (SFOE, 2019b) by 18 to ...



### Switzerland: EWS and MW Storage expand ...

May 29, 2024 · The project in Ingenbohl, Switzerland. Image: EWS AG. Utility EWS AG and developer MW Storage have completed the expansion of a ...

### Energy - Group for Sustainability and Technology . ETH Zurich

The Energy group at SusTec has become in recently years an important pillar of the group. With a special focus on energy modelling, the group has been involved in a plethora of Swiss and ...



### Energy storage innovation in Switzerland: a ...

Aug 10, 2016 · For the first time, a pilot project called Alacaes is developing a new system that stores electricity in the form of compressed air in the ...



[The 50GWh energy storage battery project is located in ...](#)

The planned capacity scale is 50GWh, and the construction will be carried out in stages, with a total investment of 20 billion yuan. In the first phase, a 16GWh new lithium-ion energy storage ...



[Case note Battery energy storage PCS solution for EKZ, ...](#)

Mar 15, 2024 · Battery energy storage PCS solution for EKZ, one of Switzerland's largest energy companies BESS 1 MW / 250 kWh PCS solution at the Dietikon Power Plant in Zurich, ...

[Shenghong Group's 50GWh energy storage battery project ...](#)

The project will focus on the integration of lithium batteries and energy storage systems, creating a complete industrial chain from materials, battery cells, modules to end products, and strive to ...



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