

Swiss New Energy Storage System





Overview

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 Swiss Alps, with the support of the Swiss Energy Ministry. 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.

How will a large-scale storage system help the Swiss power grid?

In this way, the system will help to stabilise the Swiss power grid. With this large-scale storage system, we are making a decisive contribution to the implementation of Switzerland's Energy Strategy 2050, which aims to convert 100 per cent of its energy supply to renewable energies by 2050.

Where in Switzerland will Primeo energy install a battery storage system?

In Kappel, in the canton of Solothurn, we will install one of the largest battery storage systems in Switzerland with a total capacity of 65 megawatt hours. Primeo Energie will use the stand-alone storage system to make energy more flexible and store electricity temporarily and withdraw it again when it is needed.

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.

How will Primeo energy contribute to the Swiss energy transition?

We are delighted to be taking a significant step in the Swiss energy transition together with Primeo Energie. In Kappel, in the canton of Solothurn, we will



install one of the largest battery storage systems in Switzerland with a total capacity of 65 megawatt hours.

Why do we need energy storage systems?

Energy storage systems are an essential part of the energy transition. Batteries solve one of the main problems of electricity production from renewable sources: volatility. That is, they allow excess electricity generated by the sun or wind to be stored and made available at times of increased demand. They can also help stabilise electrical grids.



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Energy storage provider INTILION taps into the market in ...

INTILION , scalecube large-scale storage units with 3.0 MWh commissioned for the customer of the Swiss energy producer Axpo in Frauenfeld. Use cases: primary load ...

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Large-scale battery for Switzerland: 65 megawatt hours of capacity

Primeo Energy will use our storage system to provide energy flexibility. The battery stores surplus electricity from renewable sources and feeds it back into the grid as needed. In this way, ...

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[Gravity Batteries: Stacking the Future of Energy Storage](#)

Gravity energy storage, or gravity batteries, is an emerging technology that utilizes gravitational potential energy for large-scale, sustainable energy storage. This system ...

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Swiss developer breaks ground on 1.6 GWh redox flow storage ...

Flexbase Group has begun construction on what could become one of Europe's largest flow battery storage installations, breaking ground on an 800 MW/1.6 GWh redox flow ...



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[Switzerland: EWS and MW Storage expand battery unit to 28MW](#)

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 ...

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[Energy storage innovation in Switzerland: a potential to ...](#)

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[Swiss start-up uses gravity to store electricity](#)

Tokyo (SCCIJ) - The young Swiss company Energy Vault has developed and built the first commercial battery storage system for electricity based on gravity. Such systems are ...

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[Giant gravity batteries for storage of renewable energies](#)

For wind and solar power plants to reach their full potential, they need storage systems. A Swiss start-up is introducing a gravity-based battery solution. It is an extraordinary ...

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[Expertise at the BFH Energy Storage Research Centre . BFH](#)

Photovoltaics Our photovoltaic systems laboratory at BFH Burgdorf has been researching PV system technology for 30 years. Photovoltaics (PV) is the most important new energy source ...

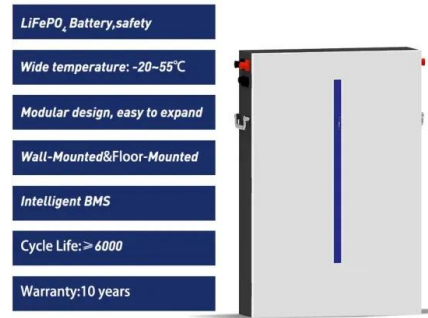
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What are the Swiss gravity energy storage projects? , NenPower

The future of gravity energy storage in Switzerland appears bright, buoyed by technological advancements and a societal commitment to transitioning towards sustainable ...

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Swiss EV Company Revolutionizes Energy Storage with Gravity ...

Why Gravity Energy Storage is Making Headlines in 2025 Let's face it - storing renewable energy has always been the awkward third wheel in the clean energy revolution. ...

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Swiss Researchers Craft Composite Catalyst to Energize Storage

2 days ago· The study introduces a novel composite material that could significantly improve the efficiency of energy storage systems, such as metal-air batteries and regenerative fuel cells. ...

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[Swiss gravity battery contributes to China's energy ...](#)

It is not a new housing concept, but a battery that uses the force of gravity to store and release energy. The first battery with this technology was ...

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GrandSolar T 2-30KW: The Swiss Army Knife of Solar Energy Systems

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The role of energy storage technologies in the context of the Swiss

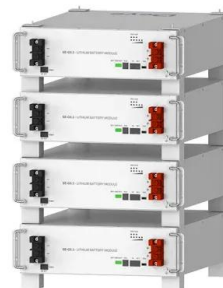
Conclusions will be drawn with regards to the feasibility and value proposition of a deployment of energy storage technologies at scale, of their potential role in the future of the Swiss energy ...

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Top 24 Green Energy startups in Switzerland (September 2025)

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Swiss gravity battery contributes to China's energy transition

It is not a new housing concept, but a battery that uses the force of gravity to store and release energy. The first battery with this technology was connected to the power grid in ...

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