



SolarGrid Energy Solutions

Swiss Zurich Energy Storage Battery Project



Overview

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. 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.

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 is the future of electricity storage in Switzerland?

One important pillar of this strategy is the further development of electricity storage capacity in Switzerland. In the next years, three large-scale pumped hydro storage power plants will be connected to the grid. The first, the Limmern pumped storage plant (1 GW), should become operational in 2016.

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.

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.

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Inside Switzerland's giant water ...

Sep 3, 2021 · A new pumped-storage and turbine plant in Switzerland could give a significant boost to the development ...

Top 24 Green Energy startups in Switzerland (August 2025)

Jul 20, 2025 · Funding: \$458M Energy Vault SA offers ground-breaking energy storage technology utilizing fundamental principles of science to deliver a storage solution.



Swiss Battery Technology Center o CircuBAT

Aug 17, 2025 · The know-how extends to e-mobility and renewable energy storage systems. In support of green technology and a circular battery ...

Western Switzerland at the forefront of the ...

It also operates the largest battery laboratory in Switzerland for cell and module testing, the Battery Testing Laboratory, together with the BFH Energy Storage ...



Battery Storage

Aug 13, 2025 · Battery storage systems are becoming increasingly important for energy supply. Axpo is your competence centre when it comes to battery ...

Redux Energy Switzerland

Redux Energy Develops, Designs and Produces the Safest Lithium Batteries (LiFePO4) in Zurich, Switzerland Our offices are located at Spindelstrasse 2 ...



Hydrogen stored in iron: A cheap, scalable grid ...

Aug 30, 2024 · Researchers at Switzerland's ETH Zurich have devised a cheap and safe way to store hydrogen in ordinary steel-walled containers for

months ...



Energy storage regulation in Switzerland , CMS Expert Guides

Apr 24, 2018 · More recently, ABB together with the Zurich power company EKZ has installed a 1 MW power battery storage solution with a capacity of 250 kWh in Dietikon, located in the ...



Swiss Life enters German utility-scale energy ...

Jun 30, 2022 · Smareg 4 project in Eisenach, Germany, one of those launched by Swiss Life's invested company. Image: Smart Power. Swiss Life Asset ...

Review of grid applications with the Zurich 1 MW battery energy storage

Mar 1, 2015 · We describe the configuration of the real life Zurich 1 MW battery energy storage system (BESS).

We review the performance of the first two years of battery operation. ...



About

Redux Energy: The safest Lithium Batteries, Designed & Made in Switzerland Redux Energy is the Swiss energy storage specialist company focused on the development, engineering, ...

ETH unveils iron-based hydrogen storage that's ...

Aug 29, 2024 · ETH Zurich researchers plan to use 19th century knowledge to store hydrogen for months in a reaction involving iron and water, without any ...



FlexBase Group and Erne to Develop World's ...

Sep 24, 2024 · FlexBase Group, a Swiss IT, communication, and energy consultancy, has partnered with local construction firm Erne to build an over ...



Switzerland to host world's largest redox flow ...

Sep 24, 2024 · Flexbase plans to build a 500 MW redox flow battery energy storage project in Switzerland in early 2025.



A huge battery made of air

Aug 10, 2016 · The hope is that the system will give a boost to renewable energy, as well as reaffirm Switzerland's role as Europe's "battery". Sun and wind ...

NEC to supply Switzerland's biggest primary reserve ESS

Sep 15, 2017 · The energy storage system will be built at an existing substation in Volketswil, near Zurich, and follows EKZ's 1MW energy storage

project in Dietikon, which was Europe's first ...



Preliminary findings of a 1 MW battery energy storage demonstration project

Jun 10, 2013 · Applications and possible benefits of battery energy storage systems (BESS) have been discussed widely in scientific literature and industry. In an attempt to prepare for ...

Empa

Research Our research aims at developing fundamental knowledge through experiment and modeling enabling new materials and processes that improve device performance, stability, ...



New Swiss battery to increase efficiency of ...

Feb 7, 2025 · After a presentation of Unbound Potential, Amazon decided to try out the technology. Another project



on the way to commercialization is starting ...

Switzerland gets 7.5MWh PCR energy storage ...

Sep 7, 2017 · Swiss utility and power distribution company EKZ (Elektrizitätswerke des Kantons Zürich) is building a grid-balancing and ...



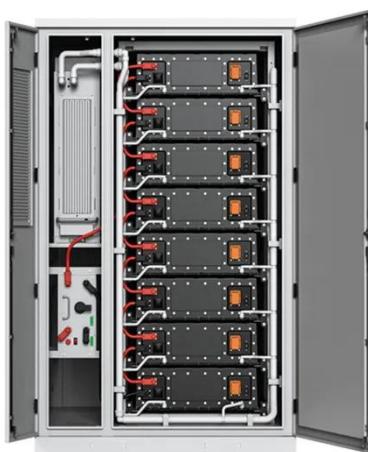
Energy storage innovation in Switzerland: a ...

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 Swiss Alps, ...

Preliminary findings of a 1 MW battery energy storage demonstration project

Jun 10, 2013 · In an attempt to prepare for upcoming challenges the utility of the Canton of Zurich, EKZ, has acquired the

largest BESS of Switzerland. The Zurich 1 MW BESS was designed to ...



Artificial Intelligence and Robotics

Battery technology is fundamental to the growth of the digital economy, to low-emission mobility and to the expansion of renewable energy. However, producing new batteries to meet market

...

Libattion opens battery upcycling facility in ...

Apr 22, 2025 · Zurich-based Libattion provides large-scale stationary energy storage systems made from used and surplus EV batteries. The company has

...



Switzerland's Largest Battery Storage System ...

Mar 27, 2019 · NEC Energy Solutions (NEC) has completed the installation of the largest battery energy storage system in Switzerland. The 18-MW,

7.5-MWh ...



EKZ Volketswil Battery Energy Storage System, Switzerland

Aug 31, 2021 · The EKZ Volketswil Battery Energy Storage System is an 18,000kW energy storage project located in Volketswil, Zurich, Switzerland. The electro-chemical battery energy ...



Large-scale battery for Switzerland: 65 megawatt ...

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. ...

Swiss Clean Battery

6 days ago · Wir machen saubere Energie bezahlbar! Swiss Clean Battery AG, based in Frauenfeld, is implementing one of the first series production plants

for solid-state batteries in ...



**2MW / 5MWh
Customizable**



Top 100 Battery Storage Companies in Switzerland (2025)

The company specializes in modular renewable energy storage systems, highlighting their commitment to making battery storage more accessible and affordable. Their products enable ...

NEC completes largest Swiss battery storage ...

Mar 21, 2019 · NEC Energy Solutions, part of Japanese group NEC Corp (TYO:6701), has completed the installation of an 18 MW/7.5 MWh energy ...



Energy storage battery supply point in Zurich Switzerland

The EKZ Volketswil Battery Energy Storage System is an 18,000kW energy storage project located in Volketswil, Zurich, Switzerland. The electro-

chemical battery energy storage project

...



Case note Battery energy storage PCS solution for EKZ, ...

Mar 15, 2024 · any EKZ, has successfully installed a 1 MW power battery storage solution at the Dietikon Power Plant. The battery is connected to the grid with ABB's Power Co. version ...



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