

## SolarGrid Energy Solutions

# Swiss Electric Group Energy Storage Project



## Overview

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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.

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.

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.

How many MWh can a grid-scale energy storage system store?

Several projects are currently under way in China and the US, totalling 915 megawatt hours (MWh) of energy storage. The company's first commercial grid-scale project using its proprietary gravity energy storage technology in Rudong, near Shanghai, was connected to the grid in December 2023 and can store up to 100 MWh.

Where is the gravity energy storage system based?

The research and development of the gravity energy storage system has been based in Ticino and operational since 2019 with its own R&D centre. The commercial demonstration unit has been connected to the Swiss national utility grid and used for two years of testing and software commissioning.

## Swiss Electric Group Energy Storage Project

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### ABB launches largest battery energy storage project in Switzerland

August 28 - ABB has been commissioned to launch the largest battery energy storage project of its kind in Switzerland together with EKZ, a power distribution utility. ABB supplied EKZ with ...

### Giant gravity batteries for storage of renewable energies

May 7, 2024 · The company's first commercial grid-scale project using its proprietary gravity energy storage technology in Rudong, near Shanghai, was connected to the grid in December ...



### BFH Energy Storage Research Centre , BFH

Jul 12, 2023 · Press Release A second life for car batteries - a new research project improves eco-balance of electric mobility  
31.03.2022 The research ...



## First commercial gravity-based energy storage ...

Aug 2, 2023 · Slated to be fully grid-interconnected in Q4 2023, the gravity tower will mark the world's first non-pumped hydro gravity-based storage facility. The ...



## Swiss tech giant inaugurates carbon neutrality ...

May 12, 2023 · Through the "Mission to Zero" at the ABB Xiamen Hub project, ABB demonstrates the journey to carbon neutrality with the company's own ...

## Marengo Project - BESS, US

Aug 30, 2021 · The Marengo Project - BESS is a 20,000kW energy storage project located in Chicago, Illinois, US. The electro-chemical battery energy storage project uses lithium-ion as ...



## ABB Group , Helping industries outrun - leaner ...

2 days ago · Global technology leader in electrification and automation. ABB



helps industries run at high performance, while becoming more efficient, ...

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## Switzerland's EUR2 Billion Energy Storage Project: Powering the ...

Jun 4, 2025 · Switzerland's new EUR2 billion energy storage initiative isn't just another infrastructure project - it's a moonshot combining hydropower tradition with cutting-edge tech. Let's unpack ...



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## Swiss gravity battery contributes to China's ...

Apr 25, 2024 · How can excess electricity produced by the sun and wind be prevented from being lost? A gravity battery developed in Switzerland stores ...

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## Leclanché Selected by Swiss Green Electricity Management Group ...

Nov 2, 2016 · - Leclanché SA (SIX: LECN), the leading global and vertically

integrated battery energy storage solution company, has been selected by Swiss Green Electricity Management ...



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

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 ...

## Electrifying rail for sustainable transport

Oct 31, 2022 · The Swiss railway network is some 5,500 km long and 100% is electrified 1. As the only European country with all railway lines electrified, ...



## 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.

## About , Swissstes

Swiss Seasonal Thermal Energy Storage  
SwissSTES aims to reduce Switzerland's dependency on fossil fuels by pioneering seasonal thermal energy storage (STES) to become a net-zero ...



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

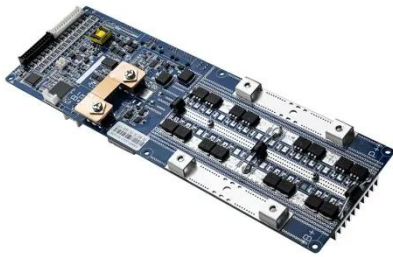
In Kappel, in the canton of Solothurn, we will install one of the largest battery storage systems in Switzerland with a total capacity of 65 megawatt hours. ...



## This giant 'water battery' under the Alps could be a game

Aug 1, 2022 · Switzerland has unveiled its latest renewable energy innovation: a

giant water battery. Beginning operations last month, the water battery, called Nant de Drance, is a ...



## Swiss developer breaks ground on 800 MW/1.6 ...

May 23, 2025 · Flexbase Group has begun building what could become one of Europe's largest flow battery storage installations, breaking ground on an 800 ...

## Leclanché Selected by Swiss Green Electricity Management Group ...

Leclanché Selected by Swiss Green Electricity Management Group for First Energy Storage Project in U.S.



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

The objective of the proposed research

project is to address this gap by performing a holistic investigation of the role of competing and/or complementary electric, thermal and chemical ...



## Swiss consortium switches on vertical solar-plus-storage project

Feb 19, 2025 · The ground-mounted photovoltaic plant project therefore represents a perfect intermediate use." Currently, the stored energy is sold on the regulated market in Switzerland ...



## Switzerland expands rules for rooftop solar, ...

Feb 24, 2025 · Switzerland is expanding rules for rooftop solar, energy storage, and energy communities to expand self-consumption and ease pressure on ...

## Energy storage

Providing specialist consultancy and advisory services throughout the full project lifecycle across wind, solar and

energy storage. Our novel and sophisticated ...



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### **Grid-scale energy storage news from Kosovo, ...**

Dec 18, 2024 · A flurry of grid-scale energy storage news from Europe, with large-scale projects progressed in Kosovo, Switzerland and Croatia.



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### **Swiss Battery Technology Center - Switzerland ...**

At the Swiss Battery Technology Center, we research the sustainability of electrification, operate Switzerland's largest battery test laboratory with Bern ...



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### **About · Swiss Energy Storage Overview by BFH-CSEM Energy Storage**

Nov 15, 2019 · Swiss Energy Storage

- ✓ LIQUID/AIR COOLING
- ✓ INTELLIGENT INTEGRATION
- ✓ PROTECTION IP54/IP55
- ✓ BATTERY /6000 CYCLES



Overview by the BFH-CSEM Energy Storage Research Centre About This page contains an overview of the energy storage situation in Switzerland. It ...

## Energy, Energy Storage and Switzerland

The Irizar ie urban truck incorporates in-house technology developed by the Irizar Group for electrical traction, energystorage, and control electronics. The first truck will be launched in ...



## Homepage

About Leclanché Leclanché SA is a world leading provider of high-quality energy storage solutions based on lithium-ion cell technology. We are committed to ...

## Swiss developer breaks ground on 1.6 GWh redox flow storage project

May 23, 2025 · 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 Archives

Sep 4, 2023 · A flurry of grid-scale energy storage news from Europe, with large-scale projects progressed in Kosovo, Switzerland and Croatia involving Millenium Challenge Corporation, ...



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## How is the Swiss energy storage field

The role of energy storage technologies in the context of the Swiss energy ... As second task, two distinct but complementary models will be developed to allow for a comprehensive ...



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## Gravitricity, Energy Vault progress gravity energy ...

Apr 26, 2023 · Gravitricity and Energy Vault have progressed their gravity

energy storage solutions, with project updates in USA/Germany and China.



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### **European BESS: 105 MWh for Greece, 65 MWh ...**

Dec 17, 2024 · Greece is getting four new battery energy storage systems (BESS) amounting to 105 MWh, while Germany's Intilion will develop 65 MWh

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### **Avadis buys largest BESS project in Switzerland, ...**

Nov 19, 2024 · MW Storage's 20MW/18MWh project in Ingenbohl, Switzerland, which it recently expanded to 28MWh. It is the largest operational system in ...



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### **Brief SPS**

Feb 15, 2021 · YVERDON LES BAINS, Switzerland and DALLAS, November 1, 2016 - Leclanché SA (SIX: LECN), the

leading global and vertically integrated  
battery energy storage solution ...



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