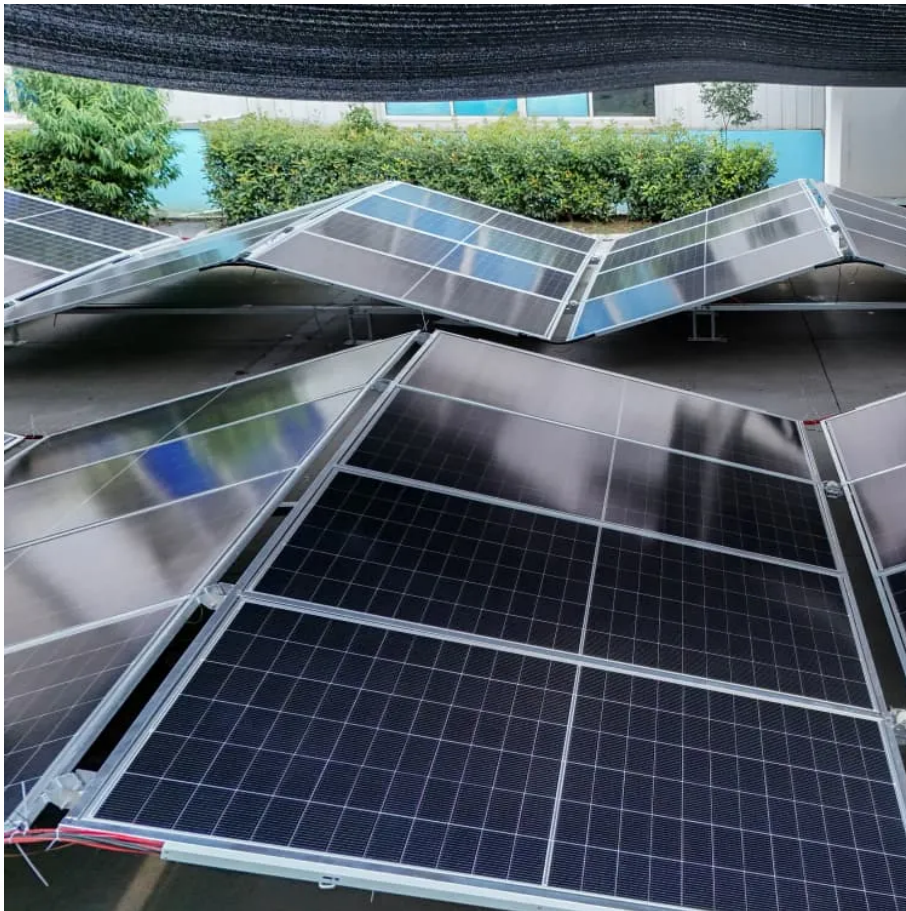


Swiss energy storage system





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. 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.

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.

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.

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.

How will Primeo energy help the Swiss power grid?

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. In this way, the system will help to stabilise the Swiss power grid.



Swiss energy storage system



[The role of energy storage technologies in the context of the ...](#)

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 ...

[Why Swiss Energy Storage Lithium Battery Manufacturers Are ...](#)

A Swiss chocolatier wanted to go carbon-neutral but kept melting the grid during peak production. Enter a custom lithium storage system from ENERGYNEST (yes, that's their real name). ...



[Large-scale battery for Switzerland: 65 megawatt hours of capacity](#)

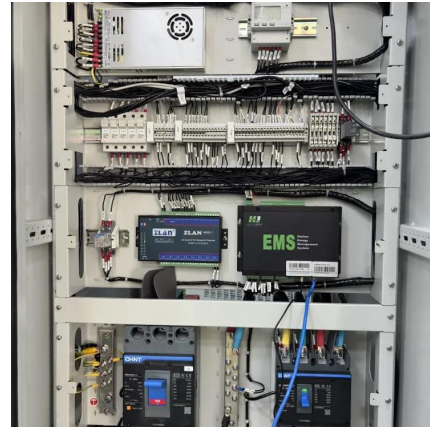
Primeo Energie will use our storage system to provide energy flexibility. The battery stores surplus electricity from renewable sources and feeds it back into the grid as needed. In this way, ...

["Swiss Army Knife" Systems: , C&I Energy Storage System](#)

Energy Storage Lithium Batteries Used Abroad: Trends, Challenges, and Success Stories lithium batteries are the Swiss Army knives of energy



storage - compact, efficient, and ready to power
...



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

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