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Swiss wind solar and energy storage project

Overview

A Swiss consortium, comprising the timber company W. Rüegg AG, PV consultancy Zenna AG, and solar installer Helion Energy AG, has built a ground-mounted vertical PV-plus-storage plant in Kaltbrunn, St. Gallen, Switzerland.What are some examples of solar projects in Switzerland?

Switzerland’s journey toward renewable energy showcases a number of impressive solar projects. Here are some examples. The Solar Dam on Lake Muttsee stands tall as Europe’s highest solar power plant. It soars at 2,500 meters. This marvel sports 5,000 solar panels. They churn out 3.3 million kilowatt hours yearly.

Why is Switzerland investing in solar PV?

Switzerland’s journey towards renewable energy involves a big investment in solar photovoltaics (PV). Solar PV is essential for the nation’s energy transition. Collect sunshine and convert it to electricity. Switzerland sees solar PV as key to reducing emissions. Solar power contributed just under 6% to electricity production in 2021.

What role does wind play in Switzerland's energy strategy?

Wind power plays a key role in Switzerland’s energy strategy. In 2022, Swiss wind turbines produced more electricity than ever. They generated 153 gigawatt hours of electricity, a 5% increase from the previous year. Policy plays a part in reaching the 2030 climate targets. Cutting red tape can speed up the deployment of wind projects.

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.

Why does Switzerland invest in hydropower?

Switzerland invests heavily in hydropower, relying on it for most of its electricity production. The country’s hydroelectric power plants harness water’s energy and are essential for energy security. Storage facilities play a vital role in ensuring a steady energy supply. This way, they help meet peak demand.

When will Switzerland's first solar plant shut down?

Switzerland’s first plant will shut down in 2024. The last one will close ten years later, in 2034. Switzerland’s journey towards renewable energy involves a big investment in solar photovoltaics (PV). Solar PV is essential for the nation’s energy transition. Collect sunshine and convert it to electricity.

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