

Specific implementation of wind solar and energy storage in Switzerland

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.

What is the energy transition in Switzerland?

The energy transition in Switzerland follows a clear road map. The Federal Office of Energy has ambitious goals set for 2030 and beyond. They intend to increase their renewable energy to half of their energy consumption by 2030. By 2050, the goal is to reach a remarkable 75% share of the mix.

What is the Swiss Federal Act on a secure electricity supply?

The Swiss Federal Council has adopted a second set of ordinances to implement the Federal Act on a Secure Electricity Supply from Renewable Energy Sources. The new regulations, set to take effect on Jan. 1, 2026, cover energy communities and minimum remuneration.

Is solar energy better than wind energy in Switzerland?

Their calculations also show that solar energy in Switzerland has greater potential than wind energy: it is more cost-efficient and predictable and is more readily available. An interesting finding: renewable energies ease the load on the electricity grid and reduce the risk of outages.

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.

Where in Switzerland can wind and solar energy be generated?

The calculation revealed that the greatest potential for the generation of wind and solar energy lies in the western half of Switzerland - especially around the cities of Geneva, Lausanne and Berne.

Switzerland is rapidly scaling up solar energy, with new laws requiring solar panels on all new buildings. The country is increasing wind energy capacity, especially in regions with favorable ...

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