

What are Switzerland's green electricity targets?

Switzerland's ambitious green electricity targets are realistic. A study by the SWEET EDGE consortium shows that three distinct strategies would make it possible to cover electricity needs and lead to the employment of several thousands of people in the sector of new renewable energy. Photovoltaics would be the main source of energy for all models.

Can Switzerland produce enough renewable electricity?

With a target of 35 TWh/year, Switzerland can produce enough renewable electricity to nearly cover its consumption on a yearly basis. Nevertheless, net electricity imports will remain an essential tool for balancing supply and demand, especially in winter.

Is Switzerland able to store energy?

The global challenge is not only to produce more energy from renewable sources, but also to be able to store it. With its hydroelectric power plants in the Alps and innovative projects, Switzerland is contributing to the search for solutions for the efficient, long-term storage of electricity.

How does Switzerland generate electricity?

Switzerland already generates most of the electricity it consumes from renewable energies (75%), mainly via hydroelectric power stations. In recent years there has been an increase in photovoltaics, and to a lesser extent in wind power. Solar panels are popping up all over the country, even in the most unthinkable places.

How much electricity does Switzerland need to import?

The higher the target, the less electricity Switzerland needs to import. With a target of 35 TWh/year, Switzerland can produce enough renewable electricity to nearly cover its consumption on a yearly basis. Nevertheless, net electricity imports will remain an essential tool for balancing supply and demand, especially in winter.

Which energy sources are used most in Switzerland?

With the use of heat pumps in three quarters of new buildings over the last decade, this share is likely to increase, as is the share of district heating, wood energy and solar thermal energy. Switzerland is supporting renewables domestically. Their use is rising sharply. Hydroelectric power is used the most, followed by wood.

Switzerland's ambitious green electricity targets are realistic. A study by the SWEET EDGE consortium, bringing together scientists from EPFL-ENAC, ETH Zurich and the universities of Geneva and Bern, shows that three distinct strategies would make it possible to cover electricity needs and lead to the employment of several thousands of people ...

The facility will be Axpo's second such plant in the country. From 2026, green hydrogen from the 2 MW

plant will fuel the first hydrogen passenger vessel on Lake Lucerne, as well as other applications. Axpo and partners Sch&#228;tze AG, EWA-Energie Uri, and SGV Holding AG (Schiffahrtsgesellschaft Vierwaldst&#228;ttersee) today broke ground on the ...

Climate neutrality and nuclear phase-out: Switzerland's ambitious green electricity targets are realistic if the electricity supply is profoundly and rapidly transformed, as a study by the SWEET EDGE consortium shows. The researchers developed three strategies for expanding renewable energies.

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Axpo and electric utility Rhienergie opened the first green hydrogen production plant in Switzerland's Graub&#252;nden canton, it was announced today. The facility, the country's largest, is located next to the Reichenau hydropower plant in Domat/Ems and can produce up to 350 tonnes of green hydrogen a year.

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In Switzerland, the main focus in the renewable energy sector is on conversion into electricity and district heating. Hydroelectric power has been Switzerland's greatest source of renewable energy for decades, used above all to produce electricity.

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