



What percentage of Sweden's electricity comes from renewable sources?

In 2022, more than 60 per cent of Sweden's electricity came from renewable sources. The government's energy policies have also promoted the use of renewable energy. The Electricity Certificate System - a market-based support system for renewable electricity production - is one example.

Does Sweden have energy 'prosumers'?

Energy 'prosumers' But Sweden doesn't stop at village-level heating solutions. Its new breed of energy-generation takes hyper-local to the next level. One example is in the city of Ludvika where 1970s flats have recently been retrofitted with the latest smart energy technology.

Is solar energy a sustainable technology in Sweden?

The Swedish solar cell market is still limited, with solar energy accounting for around 1 per cent of the total energy generated. In the transition to a sustainable society, wave power may be an important technology in the future, but it is still relatively undeveloped - both in Sweden and abroad.

What is Sweden's smart energy ecosystem?

Sweden's Smart Energy ecosystem brings together leading suppliers of smart grids, district heating and cooling, and innovative solutions for energy storage. These key players are on a mission to speed up the transition to clean electricity and carbon neutrality - in Sweden and globally.

What is Sweden's energy mix?

Sweden's energy mix relies largely on hydropower and nuclear for electricity, while Stockholm's district heating system relies on biomass and biogenic waste incineration. Sweden has been a leader in climate action for decades, with ambitious environmental and climate policies driving a 50-year transition to a low-carbon economy.

Why should you invest in Sweden's smart energy ecosystem?

Five key strengths of Sweden's Smart Energy ecosystem: Renewable energy is expected to account for 80 per cent of global growth in electricity demand by 2030. Sweden is at the forefront of progress and offers a wealth of opportunities for foreign investors.



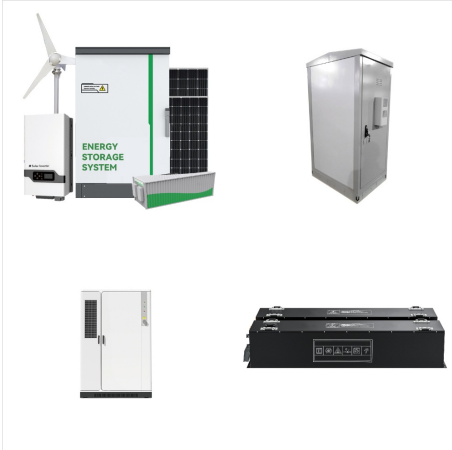
SENS (Sustainable Energy Solutions Sweden Holding AB) offers solutions that enable the transition to a fossil-free and CO2-neutral energy supply both locally and internationally. SENS develops, designs, builds and sells large-scale energy projects by combining next-generation energy storage technologies: underground pumped storage ???



Sweden's policy goals call for achieving 100% renewable power by 2040 and net zero carbon emissions by 2045. The aim to establish a 100% renewable power system in Sweden, while also ensuring energy security, affordability and environmental sustainability, faces challenges in both the policy/regulatory and the



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Sweden has successfully coupled decarbonization with energy efficiency by setting national energy intensity targets among their many energy policy objectives. Accordingly, energy consumption peaked in the late twentieth century, while gross domestic product and population have continued to grow.



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SENS (Sustainable Energy Solutions Sweden Holding AB) erbjuder lösningar som möjliggör omställningen mot en fossilfri och CO₂-neutral energiförbrukning både lokalt och internationellt.



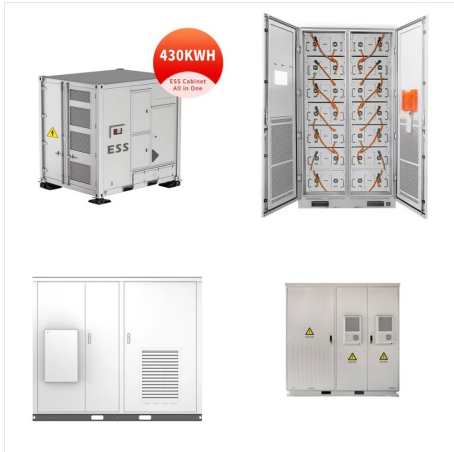
The share of renewable energy used in Sweden keeps growing. Already in 2012 the country reached the government's 2020 target of 50 per cent. For the power sector, the target is 100 per cent renewable electricity production by 2040.



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As a northern country with a cold climate and a sizeable energy-intensive industry sector, Sweden's energy intensity of GDP is relatively high compared to other IEA countries, both economy-wide (11th highest for total energy supply in 2023) and on a sectoral basis (4th highest for industry and 14th highest for residential buildings in 2022).



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In a resilient electricity grid, AI will also be a key technology to plan, distribute, and balance the system at both local and national levels.

Behovskartan AI Sweden, with its partners in this project, presents an interactive simulation of the Swedish energy system.



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