

Can solar power improve the profitability of buildings in Finland?

LUT University has investigated how the profitability of solar electricity could be improved in different types of buildings in Finland. Researchers have debunked myths related to the orientation and dimensioning of solar photovoltaic systems and sales of surplus electricity.

What is solar energy used for in Finland?

Solar energy in Finland is used primarily for water heating and by the use of photovoltaics to generate electricity. As a northern country, summer days are long and winter days are short. Above the Arctic Circle, the sun does not rise some days in winter, and does not set some days in the summer.

Does Sardinia have an electrification plan?

We believe that it is " , says Starace. In specific terms, the electrification plan for Sardinia is based on the island's natural resources, specifically sun, wind and water, all of which are in abundance.

How much solar power does Finland produce in 2022?

The Finnish Energy Authority states that in 2022, solar power production amounted to nearly 635 megawatts—more than a 240 megawatt increase compared to the previous year. Finland still produces fairly little solar electricity compared to leading European countries. The Netherlands, in contrast, produce over seven times more per capita.

Is Sardinia a green lab in the energy transition?

We will be hiring people, rather than firing them." Sardinia (Italy) is a green lab in the energy transition: here a road map with the process of decarbonization and electrification, which will bring thousands of jobs.

Why is Finland a good country for solar energy?

In the summer, the long days and nearly round-the-clock sunlight compensate for the dark winters. This article's Finnish version was first published in February 2019 and has been updated in June 2023. "Finland's advantage is its low atmospheric temperature, which improves the efficiency of solar photovoltaic cells.

The reason for this optimism is well founded. Sardinia is far larger than other tourist destinations like the Greek and Balearic islands (which is a clear advantage in terms of building wind farms and solar power plants), and could provide something of a test bench for the rest of the Mediterranean.

As Enel continues on its journey as a Renewables Super Major, CEO Francesco Starace offers a road map for the decarbonization process in Sardinia (Italy) in which the gas stage could be skipped altogether.

The transformation includes all renewable energy sources, such as solar thermal power, electricity, wind,

water and wave power, biomass in its different forms, and geothermal heat. In the long run, after 2050, solar energy could be the main solution to ...

Thus, Finland has installed 10% of its objective in 11 years time (1995-2010). The solar heating has not been competitive due to cheap alternatives (electricity, fuel oil and district heating) and the lack of support systems.

Despite the challenges and controversies surrounding renewable energy development in Sardinia, there is hope for a more sustainable future. Regional authorities are taking steps to pause new project approvals and develop a comprehensive energy plan that aligns with the island's unique needs.

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4 ???&#0183; In Italy, Qair already operates the 12.5-MW Garessio wind farm in Piedmont, which was previously acquired through its German unit. The company is working on a 1.5-GW development pipeline in the country, consisting of wind, solar and green hydrogen projects. Its plan for Italy in 2025 is to start building 95 MW of solar parks.

From the point of view of solar radiation, the Sardinia region represents one of the regions with the areas with the highest energy efficiency coefficient for solar plants (1,400-1,500 KW/KWp). In 2021, the Group obtained authorization for the first project for an installed capacity of 45 MWp.

