

Does Finland have a solar market?

Solar energy is more and more becoming an integral part of the energy palette globally and in Finland - the solar market in Finland is growing and subsequently the business potential associated to it. At the same time Finland has technologies and capabilities that enable business in the European and global solar energy value networks.

Does Finland have a solar energy value network?

At the same time Finland has technologies and capabilities that enable business in the European and global solar energy value networks. There is a need to look at the solar energy market and value network in Finland to determine its strengths and weaknesses.

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.

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.

What is the most powerful photovoltaic solar plant in Finland?

In 2015, the Kaleva Media printing plant in Oulu became the most powerful photovoltaic solar plant in Finland, with 1,604 solar photovoltaic (PV) units on its roof. Although the city of Oulu, located near the Arctic Circle, has only two hours of weak sunlight in December, the photovoltaic cells work almost around the clock in the summer.

How will PV solar market change in Finland?

- o Assuming that PV solar markets are growing also in Finland, the focus will be towards building larger entities as well as integration of energy storage solutions into the system.
- o Project operation becomes even more professional and industry becomes more standardized. Regulative and quality insurance processes become more standardized.

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Finland has several aces up its sleeve: solar panels produce more efficiently at cool temperatures and in clean, dustless surroundings. Meanwhile, cutting-edge solar innovation is under way at dozens of export companies and places such as Aalto University, Lappeenranta University and VTT Technical Centre.

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Finland is a member in the IEA's Photovoltaic Power Systems Programme but not in the Scandinavian Photovoltaic Industry Association, SPIA. In 2015, the Kaleva Media printing plant in Oulu became the most powerful photovoltaic solar plant in Finland, with 1,604 solar photovoltaic (PV) units on its roof.

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off-grid PV system capable of providing energy for lighting, refrigerators and consumer electronics.

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