

Application examples of Finnish solar energy systems





Overview

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.

Is solar power a real thing in Finland?

Many Finns are already familiar with solar power: solar panels can be found on the roofs of many homes, summer cottages and workplaces. As technology develops, industrial-scale solar power production is also becoming more common in Finland. Finland is undergoing a major energy transition.

Why is industrial-scale solar power production becoming more common in Finland?

As technology develops, industrial-scale solar power production is also becoming more common in Finland. Finland is undergoing a major energy transition. Moving away from imported fossil fuels and towards local, clean energy production will create the basis for new industrial investment.

Is solar PV a viable alternative to wind power in Finland?

However, solar PV is currently in Finland the second least cost option for new electric power generation after wind power. The Energy Authority () collects the official data of grid-connected PV electricity in Finland from the grid companies on yearly basis. The results of the survey are published on late June.

Is solar energy a business opportunity in Finland?

ND OBJECTIVESSolar 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 v.

Is there a standardized procedure for solar energy development in Finland?

There is no standardized procedure for solar energy development in Finland, and it is up to the developer to find out about the obligations and responsibilities. The requirements for permitting are dependent on the size of the project, the location, the project's regional impact, the zoning plans, and other land usage plans.



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[National Survey Report of PV Power Applications in COUNTRY](#)

There are more than half a million summer cottages in Finland, and more than 50 000 of them are electrified with an off-grid PV system capable of providing energy for lighting, refrigerators and ...

[Northern lights, solar sights: Finland's surprising solar surge](#)

Finland is emerging as a northern solar energy leader, with around 300 industrial-scale projects in the pipeline. Discover how researchers and companies are turning low sunlight into high ...



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