

Tampere wind power generation system in Finland





Overview

How much electricity does a wind turbine produce in Finland?

Production: During 2024, these wind turbines produced a total of 19.8 terawatt hours (TWh) of electricity. This corresponds to approximately 24 % of Finland's entire annual electricity consumption.

What is the future of energy in Finland?

The energy transition is increasing the need for renewable forms of energy, as fossil fuels need to be replaced cost-effectively. The spotlight is now on wind and solar power, which still have plenty of growth potential. Wind power currently accounts for 20 per cent of Finland's electricity consumption, while solar power makes up just one per cent.

Why is wind power the most competitive form of electricity production in Finland?

Thanks to advantageous wind conditions and constantly evolving technology, wind power has become the most competitive form of electricity production in Finland. As a result, projects do not need to rely on governmental support anymore but are regularly implemented subsidy-free.

Will offshore wind power be a part of Finland's energy production?

Offshore wind power may form a significant part of Finland's energy production in the future. Exploiting this potential requires significant investment and technological expertise. Sweco is committed to promoting offshore wind projects and is working closely with various stakeholders to realize the vision.



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Wind Power Emerges as Finland's Second-Largest Source of ...

Jan 29, 2025 · In 2024, wind power solidified its position as Finland's second-largest electricity production method, surpassing hydropower, which had traditionally held this rank. Wind ...

Wind power became the second-largest electricity generation ...

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Winda Energy to deliver renewable electricity under a long ...

Dec 4, 2024 · Renewable energy project developer Winda Energy Oy has been selected as the partner for electricity generation to Nordic Ren-Gas Oy's first Power-to-gas -facility in ...



[Wind power in Finland](#)

Wind power plays a significant role in achieving Finland's carbon neutrality goal. It offers unique opportunities for innovation, sustainability, and business growth.



[Wind power became the second-largest](#)

...

Mar 6, 2025 · Last year, wind power generated 19.8 terawatt-hours (TWh) of electricity, making it Finland's second-largest source of electricity ...

The power system is expanding, driven by wind and solar power

Jun 17, 2024 · Wind power currently accounts for 20 per cent of Finland's electricity consumption, while solar power makes up just one per cent. However, by 2030, the goal is for wind power to ...



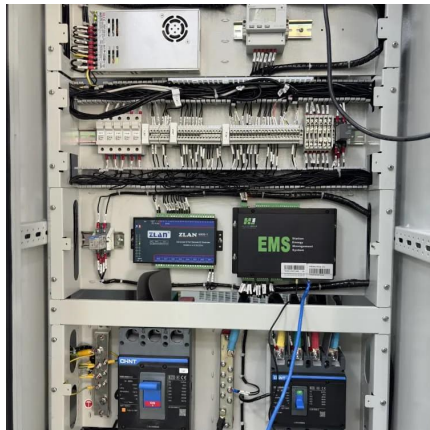
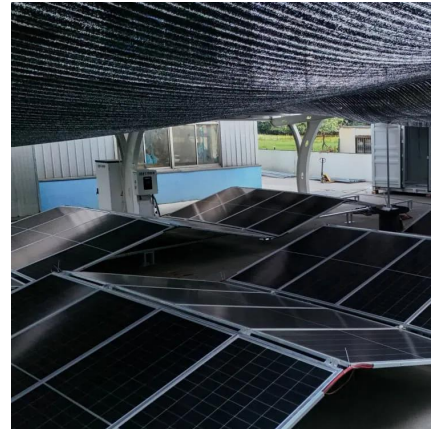
About wind power

Finland's wind power potential is many times higher than the capacity currently build. Read more about wind power in Finland!



Wind power construction

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Wind Power Emerges as Finland's Second ...

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Wind power in Finland

Wind power plays a significant role in achieving Finland's carbon neutrality goal. It offers unique opportunities for innovation, sustainability, and ...



Projects and wind turbines in Finland

The first is an annual statistic covering operational and decommissioned wind turbines. The second monitors wind power projects in the planning stage, and the third lists projects ...



[The power system is expanding, driven by ...](#)

Jun 17, 2024 · Wind power currently accounts for 20 per cent of Finland's electricity consumption, while solar power makes up just one per cent. ...



Wind Energy Finland

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Report 2023 Finland

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