

Title: Smart grid finland

Generated on: 2026-05-15 14:02:33

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What is Fingrid's energy system vision?

Fingrid's electricity system vision outlines long-term development paths for Finland's energy system using various scenarios. The aim is not to predict the future but to create a vision of what is required from the development of the grid to enable different development paths.

Should Finland have a new power grid?

Renewable energy must account for more than 55% of Finland's energy consumption by 2030. Increasing their use requires a flexible power grid that supports decentralised energy generation and enables a steady energy supply. Cleaner energy production requires a new kind of a power grid.

Does Finland have a smart energy program?

The Finnish state has pledged EUR100 million to the Smart Energy Finland Program, while energy is key for the Finnish Innovation Fund Sitra. Finland's total government-funded R& D leapt 58% from 2019 to 2020, according to Statistics Finland. The private sector has invested in software, AI and power-to-x, among other sectors.

How much does inefficiency cost Finland's electricity grid?

The IEA says inefficiencies cost the average national grid 5-18% of electricity transmitted, but the national operator Fingrid says Finland only loses 1.5%. Investments in new equipment, transmission lines and software improves grid efficiency.

Finland has one of the most advanced smart grid markets in the world and can provide an ideal test bed for tomorrow's smart energy solutions. Finland has decades worth of experience in ...

Discover all relevant Smart Grid Companies in Finland, including Fingrid Oyj and Intergrid

Now Gridraven, a startup that uses artificial-intelligence software to make those grid upgrades without the costly effort of installing sensors along power lines, is debuting its technology ...

A combination of groundbreaking renewable energy technology, smart networks and automation has made Finnish smart energy solutions among the most advanced in the world.

This innovative energy system uses the latest smart grid technology solutions to ensure grid reliability, resiliency, and efficiency. In normal operation the microgrid contributes to the public ...

Detailed info and reviews on 10 top Smart Grid companies and startups in Finland in 2026. Get the latest updates on their products, jobs, funding, investors, founders and more.

In the vision, we examine Finland's alternative development paths towards a clean energy system and create a vision of the development needs of the grid in the long term.

Discover the top emerging companies in the Smart Grid Startups in Finland, their funding activity, key investors, company highlights, and growth stages

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