

Finland's energy storage backup power supply BESS

Is this Finland's largest battery energy storage system?

Swedish flexible assets developer and optimizer Ingrid Capacity has joined hands with SEB Nordic Energy's portfolio company Locus Energy to develop what is claimed to be Finland's largest and one of the Nordics' largest battery energy storage systems (BESS). The 70 MW/140 MWh BESS project will be located in Nivala, northern Finland.

Which energy storage system will support the Finnish power grid?

This 38-megawatt and over 40-megawatt-hour energy storage system will support the Finnish power grid. The project is slated for completion by spring 2025 and will be located in Lappeenranta, near the Mertaniemi power plant.

Should battery storage be integrated with Finland's growing wind capacity?

Benjamin Kennedy, Ardan's Managing Director for Renewables Infrastructure, emphasized the strategic importance of integrating battery storage with Finland's growing wind capacity to ensure a balanced and efficient energy system.

Are energy storage systems a solution to Finland's energy transition?

Energy storage systems offer a solution. "This groundbreaking is an important moment for Finland's energy transition and a concrete step toward a more flexible, resilient, and decarbonized energy system," said Jussi Jyrinsalo, Senior Vice President at Fingrid.

What makes Finland's power system stable?

Finland's power system stability has traditionally been supplied by conventional power plants and hydropower. However, the transformation in the power generation mix creates a greater need for other sources of flexibility. BESS are excellent alternatives because of their capability to charge and discharge energy.

How does BESS work in Finland?

BESS operators can also participate in cross-border markets to provide storage capacity for ancillary services, such as frequency regulation, which helps maintain grid stability and reliability. Ancillary services are currently the primary revenue source for BESS in Finland.

With an installed capacity of 30 MW / 36 MWh, the project marks a major milestone and will play a vital role in strengthening Finland's evolving renewable energy infrastructure. Designed to ...

The project marks NTR's first BESS venture in Finland, as well as the first battery storage investment from the Clean Power (Europe) Fund --a joint initiative between NTR and Legal & ...



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The diesel genset - the most popular and robust back-up power supply solution - is a double-edged sword. Though critical for ensuring operational continuity in data centers, their use ...

SEB Nordic Energy's portfolio company Locus Energy, in collaboration with Ingrid Capacity, proudly announces the groundbreaking of one of Finland's largest battery energy ...

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