
Construction of a large-scale energy storage project in Helsinki

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.

How big is Finland's underground heat storage system?

At more than 1 million cubic meters in size, the underground heat storage system will have a total capacity that corresponds to the annual heating demand of a medium-sized Finnish city. The 90 GWh seasonal thermal energy storage will be built in Vantaa, near Helsinki.

When will the energy grid project start in Finland?

The project proponents have confirmed that the construction works will start in March 2025. The project, which is one of the largest of its kind in Finland, will provide grid services including frequency response and will be able to participate in energy trading on wholesale power markets.

What is Ingrid Capacity's "largest battery energy storage system"?

Ingrid Capacity, in collaboration with SEB Nordic Energy portfolio company Locus Energy, is to build Finland's "largest battery energy storage system", a 70MW/140MWh in Nivala. The project marks Ingrid Capacity's first two-hour system and its debut in Finland.

Finland's authorization of its largest battery-storage project marks a pivotal point in the renewable energy landscape. As energy stakeholders anticipate the completion of the ...

Summary: Helsinki is rapidly becoming a hub for cutting-edge energy storage solutions. This article explores the latest investment patterns, technological advancements, and regulatory ...

The project cost is estimated to be around 200 million euros, and it has already been awarded a 19-million-euro investment grant from Finland's Ministry of Economic Affairs ...

Vantaa Energy, an urban energy company jointly owned by the cities of Vantaa and Helsinki, is planning the construction of the world's ...

The Nivala project is Ingrid Capacity's second collaboration with Swedish energy infrastructure owner and developer Locus Energy. Last year, the two players partnered on the ...

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Global energy storage capacity is expected to grow sixfold by 2030 (IEA1), and commitments made at COP292 underscore the critical role of storage and grid infrastructure in ...

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Hitachi Energy has secured a contract from Nordic Electro Power (NEPower) to deliver advanced power conversion solutions for Finland's largest battery energy storage ...

Polar Night Energy and Lahti Energia are partnering on the Sand Battery project in Finland. Image: Polar Night Energy / Lahti Energia. Technology provider Polar Night Energy ...

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