



**EQACC SOLAR**

# **Construction of a large-scale energy storage project in Helsinki**



## Overview

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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.

What is the future of energy storage in Finland?

Reserve markets are currently driving the demand for energy storage systems. Legislative changes have improved prospects for some energy storages. Mainly battery storage and thermal energy storages have been deployed so far. The share of renewable energy sources is growing rapidly in Finland.

Which energy storage technologies are being commissioned in Finland?

Currently, utility-scale energy storage technologies that have been commissioned in Finland are limited to BESS (lithium-ion batteries) and TES, mainly TTES and Cavern Thermal Energy Storages (CTES) connected to DH systems.

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.

## Construction of a large-scale energy storage project in Helsinki



### Finland to host 90 GWh thermal energy ...

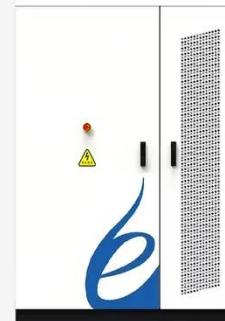
Vantaa Energy, an urban energy company jointly owned by the cities of Vantaa and Helsinki, is planning the construction of the world's ...

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### Ingrid Capacity & Locus Energy to build 140MWh Finnish ...

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 ...

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### Finland's Largest Battery Storage Begins Construction

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 ...

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### Finland to host 240 MWh of

## new BESS projects

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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## EY financial advisor Evli on 40 MW battery ...

Evli Renewable Energy Infrastructure Fund II ("Evli") has developed a large-scale battery storage project in Finland, and will continue as co-investor ...

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## Finland to host 90 GWh thermal energy storage system

Vantaa Energy, an urban energy company jointly owned by the cities of Vantaa and Helsinki, is planning the construction of the world's largest seasonal heat storage system. At ...

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## Finland's Largest Battery Storage Begins ...

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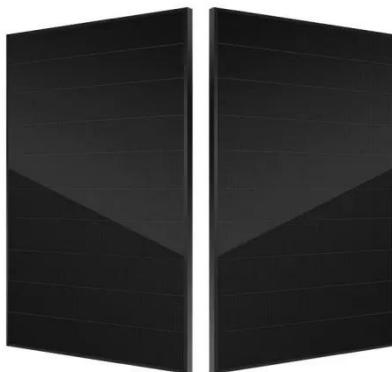


## **250MWh 'Sand Battery' to start construction in Finland, for ...**

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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## **Helsinki Energy Storage Project Current Investment Trends ...**

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

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## **A review of the current status of energy storage in Finland ...**

The review shows that in recent years, there has been a notable increase in the deployment of energy storage solutions. There has especially been growth in utility-scale ...

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## World's Largest Thermal Energy Storage to be Built in Finland

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 ...

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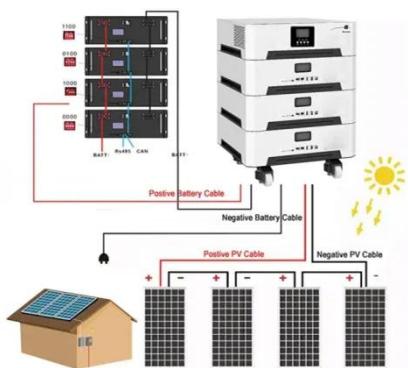
## Finland's Largest Battery Storage Project: A Game-Changer ...

The project is developed by Neoen, a leading renewable energy company known for large-scale battery storage solutions worldwide. This is not their first battery project in ...

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## EY financial advisor Evli on 40 MW battery storage sale to ...



Evli Renewable Energy Infrastructure Fund II ("Evli") has developed a large-scale battery storage project in Finland, and will continue as co-investor with Helen Oy, a leading Finnish energy ...

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