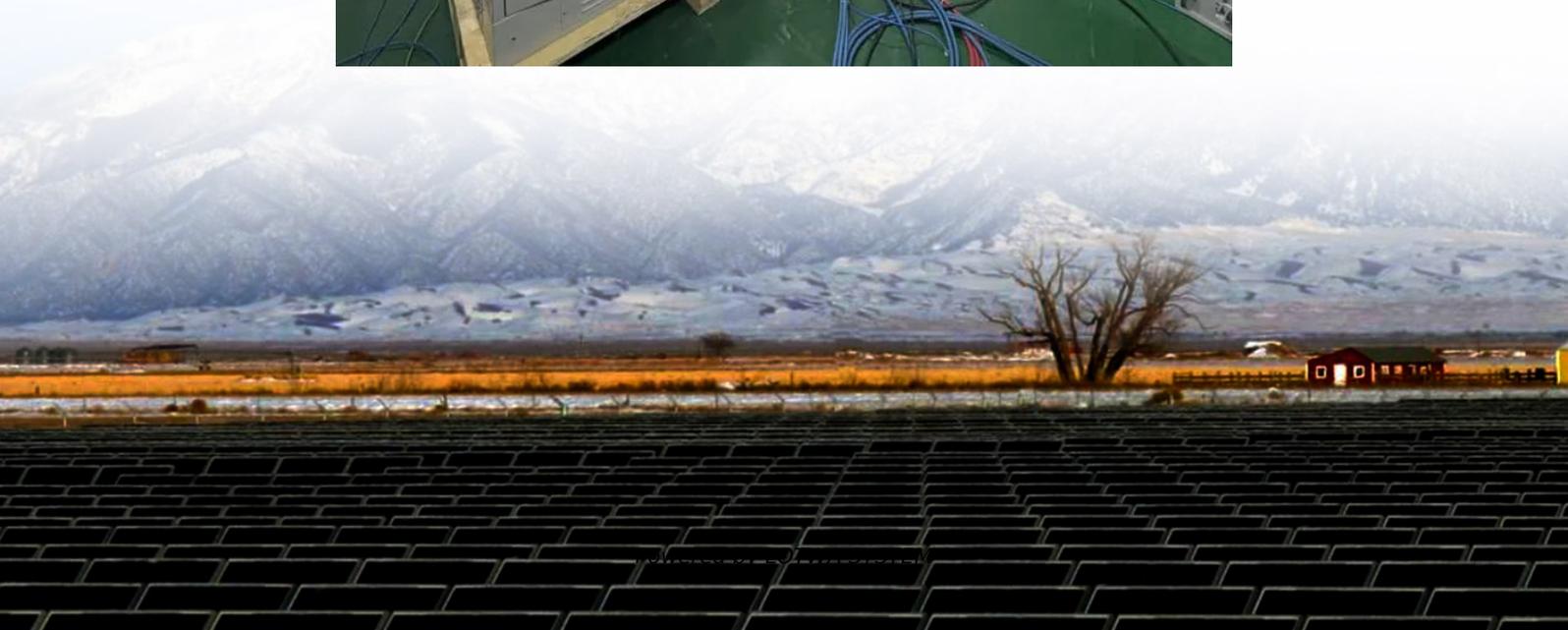


Valletta s largest energy storage project





Overview

Why is Vantaa building a seasonal thermal energy storage facility?

In order to deal with this issue, Vantaa Energy is building a seasonal thermal energy storage facility in Vantaa. The operating principle of the facility called Varanto, meaning 'vault' or 'reserve', is to store heat in underground caverns so that it can then be used to heat buildings via a district heating network whenever it is needed.

What is Vantaa energy's 'varanto' thermal energy storage facility?

In a bid to tackle this issue, Vantaa Energy has announced it will begin construction of a seasonal thermal energy storage facility, the largest in the world. Called Varanto — which translates as 'vault' or 'reserve' — the facility will store heat in underground caverns to then heat buildings via a district heating network whenever it is needed.

How many electric car batteries can a Vantaa energy storage facility charge?

Vantaa Energy is building a seasonal thermal energy storage facility in Vantaa, Finland. When completed in 2028, it will be the largest in the world by all standards and its thermal energy capacity could fully charge as many as 1.3 million electric car batteries. The fluctuating nature of renewable energy is one of its main issues.

Who is Vantaa energy?

Vantaa Energy is one of Finland's largest urban energy companies, aiming for carbon negativity in energy production in 2030. The new seasonal thermal energy storage facility Varaamo is the most significant project aiding emission reduction.



Valletta s largest energy storage project

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