

# **Estonian lithium-ion energy storage battery company**







#### **Overview**

Estonian energy company Eesti Energia opened the Baltic's largest battery storage at the Auvere industrial complex. This state-of-the-art storage system is already enhancing the stability of the regional electricity grid and mitigating high peak electricity prices for consumers. Where is Estonia's largest battery storage facility located?

The flagship battery storage project commenced operations on February 1, only days before cutting ties with the Russian power grid. Estonian state-owned energy company Eesti Energia has inaugurated the nation's largest battery energy storage facility at the Auvere industrial complex in Ida-Viru County.

How will a battery energy storage park work in Estonia?

The battery energy storage park and its substation will be connected to the electricity transmission network using a 330kV AC underground cable, marking a first in Estonia. Baltic Storage Platform confirmed that the BESS will seek to ensure the stability and resilience of the Estonian electricity grid.

Can storage systems help reduce energy consumption in Estonia?

Estonia's climate minister, Yoko Alender, emphasized the role of storage systems in this transition, stating, "Estonia has a clear goal – by 2030, the amount of electricity we consume must come from renewable sources.

How does Eesti Energia's battery work?

According to Eesti Energia board member Kristjan Kuhi, the battery is able to respond very effectively to fluctuations in the power system. "This modern capacity significantly reduces the costs of balancing the Baltic electricity system and thus the end price for the consumer," Kuhi said.

How has the transition to a 15-minute balancing period impacted Estonia's energy storage?



State-owned energy company Eesti Energi management board member Kristjan Kuhi recently highlighted to Energy-Storage.news Premium that the transition to a 15-minute balancing period and the desynchronisation of the Baltic electricity system from the Russian grid have spurred growth in Estonia's energy storage sector.

Are EV batteries cheaper than lithium ion batteries?

These batteries, according to researchers, are cheaper than lithium-ion batteries, and can be used along-side lithium-ion to bring down the cost of batteries for EVs and other needs. Do you have a story we should be covering?



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### <u>Lithium-ion is long-duration energy storage</u> (<u>LDES</u>)

3 days ago· Long duration lithium-ion dominates inter-day (8-12 hour) deployment At short durations (<=4 hours), lithium-ion's high power density makes it the storage technology of ...

#### <u>Eesti Energia opens the largest battery storage in Estonia</u>

Estonian energy company Eesti Energia opened the Baltic's largest battery storage at the Auvere industrial complex. This state-of-the-art storage system is already enhancing the stability of the ...



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The battery park, located in Kiisa, just outside the capital city of Tallinn, will consist of two battery storage installations with a combined output of 200 megawatts-hours (MWh) ...





Estonia moves forward with a groundbreaking energy storage ...

The EUR100M project, led by Baltic Storage Platform, will deliver some of Europe's largest battery storage complexes with a combined capacity of 200 MW and a total storage capacity of 400 ...



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