

Estonia's distributed power station energy storage configuration



Overview

Evecon and Corsica Sole are joining forces in the Baltic Storage Platform joint venture to build and operate high-capacity battery storage power plants connected to the electricity transmission grid. The plants will be built at two locations and are scheduled to be commissioned in the course of 2025. 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.

What is the energy situation in Estonia?

An Energy Overview of the Republic of Estonia. Some very small hydroelectric power plants (all much less than 1 MWe in capacity) exist in Estonia; total hydroelectric generating capacity is slightly over 1 MWe and annual hydroelectric power production is only about 4 million kilowatt-hours (kwh).

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

State-owned energy company Eesti Energia management board member Kristjan Kuhu 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.

Who delivered the Eesti Energia project?

The project was delivered by energy solutions system integrator Diotech Group, which won Eesti Energia's international tender in 2023. It was supplied with battery technology from LG Energy Solution. Installation and connection work were carried out by Enefit Solutions.

Where will a battery energy storage system be built?

The battery energy storage system (BESS) will be built at the Auvere industrial power plant complex in Ida-Viru county and will help balance the country's grid, state-owned utility Eesti Energia said today (30 January).

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