



Lithium battery power station in Estonia



Overview

Estonia's Tartu Energy Storage Power Station exemplifies how battery storage systems stabilize grids overwhelmed by solar and wind energy. The 100 MW/200 MWh battery energy storage project in Kiisa began operation on February 3 as scheduled – just two weeks after a testing fault at the facility caused the most significant disturbance to the regional power grid since Estonia's desynchronization from the Russian electricity system. KIISA, ESTONIA – February 5, 2026 – The Baltic Storage Platform (BSP) – a joint venture between Baltics leading renewable energy developer Evecon, French independent solar power producer Corsica Sole, and sustainable investment manager Mirova – today officially inaugurates the Hertz 1 battery. EU Climate Goals: Estonia aims to generate 100% of its electricity from renewables by 2030. Cost Efficiency: Stored energy lowers electricity prices during high-demand periods. Technology Choices: State-owned utility and power generator Eesti Energia has completed and put into commercial operation the first large-scale BESS in Estonia. This article explores the applications, market trends, and real-world case studies shaping the region's energy landscape.



Article Content

Energy Energizes the Baltics with Commissioning of Rummu Battery ...

Energy is proud to announce the successful commissioning of the Rummu Battery Energy Storage System (BESS), a state-of-the-art 9 MW / 18 MWh storage facility co-located with the ...

First large-scale BESS in Estonia online with LG ES ...

State-owned utility and power generator Eesti Energia has completed and put into commercial operation the first large-scale BESS in Estonia.

100 MW Hertz 1 battery enters operation after Estonia-Finland grid ...

Estonian renewable energy developer Evecon, together with French independent power producer Corsica Sole and international investment fund Mirova, on 3 February opened a one of the ...

Lithium Battery Energy Storage Solutions in Tartu Estonia Powering a ...

Summary: Tartu, Estonia, is rapidly adopting lithium battery energy storage systems to support renewable energy integration and grid stability. This article explores the applications, market trends, ...

Estonia completes its biggest battery storage facility

The Estonian power grid is steadily building up more resources to accommodate growing demand from smart industries and meet sustainability goals. A new ...

Estonia Tartu Energy Storage Power Station: Key Innovations

Summary: This article explores how the Tartu Energy Storage Power Station addresses Estonia's renewable energy challenges. Discover cutting-edge battery technologies, regional energy trends, ...

Estonia Power Plant Energy Storage Project: Key Insights and ...

The Estonia power plant energy storage project primarily uses lithium-ion batteries, known for their high energy density and rapid response times. However, pilot programs are also testing flow batteries and ...

Estonia Strengthens Energy Resilience: Hertz 1, One of Continental ...

Large-scale battery storage systems such as Hertz 1 are essential to balancing intermittent renewable generation with consumption needs, while supporting Europe's transition ...

Estonia begins construction on Europe's largest battery ...

Estonia is building the largest battery park in continental Europe, boosting energy security and supporting the transition to renewables.

Construction of Largest Battery Park in Europe Underway

Construction has begun on the largest battery park in Estonia, aimed at moving the Baltic countries away from Russian energy and towards renewables.

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