

# **Latvian Electric Energy Storage Power Station**





## Overview

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Where is the first battery energy storage system in Latvia?

On November 1 Latvia's largest wind energy producer Utilitas Wind opened the first utility-scale battery energy storage battery system in Latvia with a total power of 10 MW and capacity of 20 MWh in Targale, Ventspils region.

Why do we need a battery system in Latvia?

The battery system is an essential infrastructure element for the security and stability of Latvia's energy supply. The batteries will work as modern accumulators for storing large volumes of energy, which will be important for ensuring energy balance once the Latvian electricity supply grid works in sync with the European grid."

Who manages the electricity grid in Latvia?

The electricity grid in Latvia, however, is primarily managed by Sadales tīkls, the largest distribution system operator that serves 99% of the country's territory. Both public and private energy companies, such as AST and Latvenergo, participate in the sector.

What is Latvia's energy system?

Latvia's energy system is largely based on renewable resources, primarily hydropower from the Daugava River, supplemented by wind, solar, and biomass. While natural gas imports cover energy shortages, the country aims to increase wind and solar energy capacity, with significant progress already made in 2022.

Does Latvia have a heat storage system?

Latvia has a comprehensive district heating system, especially in urban areas, where thermal storage is crucial for managing heating needs. Heat storage development in Latvia relies significantly on local government decisions.



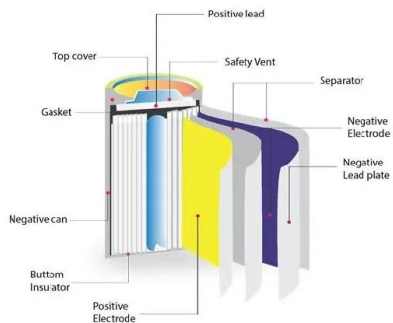
Does Latvia need a thermal power plant?

Until now, Latvia has relied on electricity generated by hydroelectric power plants (HPPs), and the country's overall policy also included the development of thermal power plants (TPPs), as natural gas was a relatively cheap resource.



## Latvian Electric Energy Storage Power Station

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### Pumped storage , Ignitis grupe

Kruonis Pumped Storage Hydroelectric Plant (Kruonis PSHP) is one of the largest energy storage facilities in Europe, which stores electricity generated by renewable energy ...

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### Latvian energy storage power station government subsidy policy

Renewable energy includes wind, solar, biomass and geothermal energy sources. Almost half of the electricity used in the country is provided by renewable energy sources. The main ...

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### [Latvia: Latvenergo to deploy 250MW/500MWh BESS by 2030](#)

This event will bring together key stakeholders from across the region to explore the latest trends in energy storage, with a focus on the increasing integration of energy storage ...

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### [Latvia's largest battery energy storage system unveiled](#)

On November 1 Latvia's largest wind energy producer Utilitas Wind opened the first utility-scale battery energy storage battery system in Latvia with a total power of 10 MW and capacity of 20 ...



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**Latvia unveils first grid-scale battery as it prepares to ...**

Hoymiles supplies the batteries as Latvia activates its first utility-scale battery energy storage system (BESS) ahead of planned decoupling ...

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**Utilitas Launches Latvia's First Utility-Scale Battery Energy ...**

Estonian renewable power and heat producer Utilitas has inaugurated Latvia's first utility-scale battery energy storage system (BESS), featuring a capacity of 10 MW and 20 MWh.

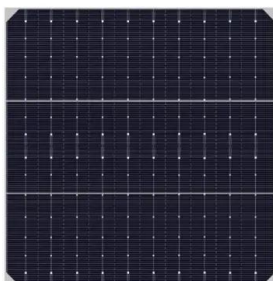
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**Utilitas inaugurates 10-MW battery in Latvia , Energy Storage ...**

Estonian renewable power and heat producer Utilitas has inaugurated the first utility-scale battery energy storage system (BESS) in Latvia, a 10-MW/20-MWh facility.

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## Interactive HPP tour , Latvenergo

Plavinas HPP plays a vital role in Latvian electric power system. In the Baltic context, it is essential for ensuring the stability of the power system, since it serves as a backup for the ...

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## Europe's most powerful battery energy storage systems to be ...

Latvian transmission system operator Augstsprieguma tīkls AS (AST) and German company Rolls-Royce Solutions GmbH (Rolls-Royce) have started cooperation on the construction of ...

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## [Latvian energy storage power station project bidding](#)

Bidding strategy of pumped storage power station in spot market Pumped storage power station has multiple functions, such as alleviating the contradiction between peak and valley, to ...

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## Latvenergo invests heavily in battery systems, plans to become ...

The first BESS projects are being implemented in Latvia and at Latvenergo production sites - starting with the smaller-scale BESS at Latvenergo AS CHPP-1 and ...

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## LATVIA LATVENERGO LAUNCHES TENDER FOR BATTERY ENERGY STORAGE ...

A battery energy storage system (BESS) or battery storage power station is a type of energy storage technology that uses a group of batteries to store electrical energy.

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## Rolls-Royce supplies mtu large-scale battery storage to secure ...

Rolls-Royce has received an order from the Latvian transmission system operator Augstsprieguma tīkls (AST) to supply an mtu large-scale battery storage system to secure the ...

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## Latvian power storage

Augstsprieguma Tīkls AS (AST) is an independent electricity transmission state system operator in Latvia operates power systems with voltages of 110 kV and above, which is leased from ...

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## Green Electricity And Heat , Fortes

In cooperation with industry leaders and long-term partner SIA NODUS we have developed several biomass cogeneration plant projects both in Latvia and Croatia: the smallest plants ...

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## Utilitas Launches Latvia's First Utility-Scale Battery Energy Storage

Estonian renewable power and heat producer Utilitas has inaugurated Latvia's first utility-scale battery energy storage system (BESS), featuring a capacity of 10 MW and 20 MWh.

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### [Latvian Energy Storage Power Station Project](#)

Luneng national energy storage power station demonstration project At 11:16 a.m. on December 25 th, 2018, the 50 MW/100 MWh LFP energy storage project of the Luneng National Energy ...

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### [Latvian power station energy storage technology](#)

, solar, biomass and geothermal energy sources. Almost half of the electricity used in the country is produced by Utilitas, Latvia's largest wind energy producer, this project combines wind ...

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### [Major energy storage system installed in western Latvia](#)

The project ensures that energy stored in the system can be dispatched in situations where the power grid is running out of electricity. In periods of high winds, when ...

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### [Latvia battery storage for electricity](#)

Latvenergo, Latvia's state-controlled electricity provider, has initiated a procurement process for constructing a battery energy storage system at its Riga Hydro Power Plant.

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