

SolarInnovate Energy Solutions

Latvian wind solar storage and transmission project



Overview

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.

Is Latvia ready for a green energy transition?

Solar and wind energy production alone experienced an impressive 92% surge in 2023 compared to 2022, and this momentum shows no signs of slowing down. Building on these achievements, Latvia has set ambitious targets for its green energy transition.

Will the 'elwind' boost Latvia's energy independence?

This joint Latvian-Estonian offshore wind farm, set for completion by 2030, will strengthen both countries' energy independence while advancing the goals of the European Green Deal. "Latvia's push for renewable energy, highlighted by projects like the 'Elwind,' is bringing in fresh investment and boosting our energy independence.

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.

Why should Latvia invest in green energy?

As global demand for green energy rises, these partnerships represent logical steps toward Latvia's commitment to energy independence and sustainability. Green energy isn't just a vision for the future though. We've already made

substantial strides in sustainably managing our natural resources, and the numbers speak for themselves.

Can Latvia sustainably manage our natural resources?

We've already made substantial strides in sustainably managing our natural resources, and the numbers speak for themselves. In 2023, Latvia ranked among the top three countries in the European Union for renewable energy use, with renewables accounting for 43.5% of our energy consumption.

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SUNOTEC acquires 400MW photovoltaic+600MWh energy storage project in Latvia

Jul 14, 2025 · Important transactions have emerged in the international renewable energy sector. On July 13th, SUNOTEC, a well-known European renewable energy service provider, officially ...

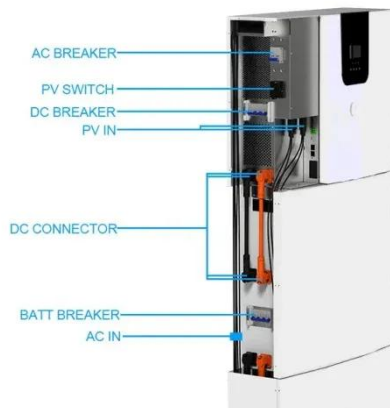
Conexus to complete seven-year modernisation of Incukalna gas storage

Apr 29, 2025 · The unified gas transmission and storage system operator AS Conexus Baltic Grid (Conexus) will complete the seven-year-long modernization project of the Incukalna ...



Major energy storage system installed in western Latvia

Nov 2, 2024 · The combination of batteries with wind or solar generation also facilitates an efficient use of the transmission infrastructure, which benefits all system users in the long term, ...



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

Nov 4, 2024 · Located in the Ventspils region, right next to the Targale wind park, the BESS project took about two years to be realised and will be connected to the Latvian electricity ...



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