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Latvian Wind Solar Storage and Transmission Project

Overview

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In Latvia, renewable energy sources account for a significant portion of the country’s electricity generation, with a target of 57% by 2030 [1]. Hydroelectric power is the main source of renewable electricity in Latvia, followed by solar, wind and biomass cogeneration plants. In 2024, solar power.

One of the largest wind energy producers in Latvia SIA "Utilitas Wind" on Friday, November 1, opens Latvia's first large-scale electricity storage battery system in Tārgale, Ventspils municipality, said Renārs Urbanovičs, member of the board of "Utilitas Wind", in a release on November 1. The.

Tārgale, Latvia — On November 1, 2024, Tārgale Wind Park held its grand opening, unveiling Latvia’s first major energy storage facility. Hoymiles, as a key technology supplier, played a pivotal role in the project. Managed by Utilitas, Latvia’s largest wind energy producer, this project combines.

Eolus has sold the greenfield-developed wind power project Pienava, totaling 147 MW, to Latvenergo, Latvia’s state-owned energy company. Construction is expected to begin immediately. Commercial operation is planned for the first half of 2027. Eolus’s greenfield project Pienava in Tukums.

Latvians are fortunate to enjoy the stunning beauty of our natural landscape—from foraging for mushrooms in lush green forests to taking seaside walks and gathering medicinal herbs in diverse meadows. This heritage drives our commitment to preserve these treasures through responsible stewardship of.

Located along the Baltic Sea, Latvia has huge potential to harness offshore wind. Aiming to obtain 60% of its power from renewable resources by 2030 [1], Latvia is making substantial progress toward a sustainable and resilient energy future. Here’s how offshore wind is shaping this vision. The. Who is responsible for the energy transition in Latvia?

Local authorities are responsible for municipal energy supply and renewable energy projects, with Latvia’s energy transition guided by the National Energy and Climate Plan and the Energy Strategy 2050.

How is offshore wind shaping Latvia's Energy Vision?

Here’s how offshore wind is shaping this vision. The ELWIND project: A cross-border renewable initiative Central to Latvia’s offshore wind vision is the joint Latvian-Estonian ‘ ELWIND’ project, which hopes to support energy independence. This initiative aims to develop an offshore wind farm along the Baltic coast between Liepaja and Ventspils .

Why should Latvia invest in offshore wind?

By harnessing the power of offshore wind, Latvia strengthens its energy security, supports its economy and promotes sustainable practices. Latvia continues to expand its renewable infrastructure, paving the way for economic resilience, environmental responsibility and regional leadership in the green energy transition.

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.

Can Latvia harness offshore wind?

Located along the Baltic Sea, Latvia has huge potential to harness offshore wind. Aiming to obtain 60% of its power from renewable resources by 2030 , Latvia is making substantial progress toward a sustainable and resilient energy future. Here’s how offshore wind is shaping this vision. The ELWIND project: A cross-border renewable initiative.

Why are energy storage systems important in Latvia?

Energy storage systems are an essential element of Latvia’s path towards a sustainable and energy-independent future. The importance of these technologies is being recognized and invested in by a growing number of companies and public institutions.

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To perform the quantitative assessment, detailed grid simulations of the Latvian transmission system for representative operating points of demand and renewable generation integration ...

Latvia's Energy Strategy 2050 outlines major changes in renewable energy production and storage, with significant investments planned in wind, solar, biomass, and biogas, as well as in energy storage ...

The Latvian side of the project alone, projected to have up to 1,000 MW capacity [3], is designed to meet the rising regional demand for renewable energy. The project's ...

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