ŁOTWA SYSTEM

Latvian solar wind power generation system

Overview

What is the main source of renewable electricity in Latvia?

Hydroelectric power is the main source of renewable electricity in Latvia, followed by solar, wind and biomass cogeneration plants. In 2024, solar power in Latvia grew over 3.1 times to 6.7% of total electricity, becoming the third-largest source, while wind reached a record 38 GWh and hydropower, despite a 16% drop, still provided 54%.

How does wind energy work in Latvia?

Sun constantly creates an air flow in the atmosphere – wind – which captured can be used to produce electricity. Harnessing wind doesn’t require any kind of extraction, transportation or combustion of any raw material. The source of wind energy is inexhaustible. And the good news is that wind is available in large quantities in Latvia. Eco friendly.

Is wind available in Latvia?

And the good news is that wind is available in large quantities in Latvia. Eco friendly There is no hazardous waste during the operation of the wind farm. Wind turbines operate by the wind turning the blades, which then rotate the shaft that is connected to the generator where the electricity is generated.

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.

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