

# Riga wind solar and energy storage integration

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## Overview

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### What is Latvia's Energy Strategy 2050?

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 technologies like batteries and subsurface systems to ensure supply stability .

### 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.

### 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.

### 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%.

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### Hoymiles Powers Latvia's Energy Storage Project at T?rgale

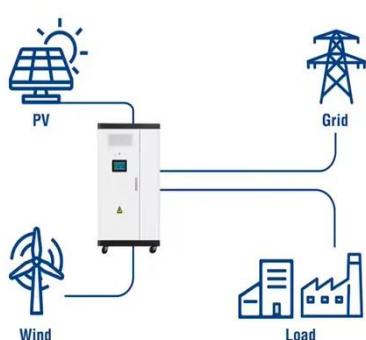
T?rgale Wind Park held its grand opening, unveiling Latvia's first major energy storage facility. Hoymiles, as a key technology supplier, played a pivotal role in the project. ...

### Energy Storage Revolution: How Riga is Leading the Charge ...

Why Energy Storage in Riga Can't Wait: The Grid Stability Crisis You know how your phone dies right when you need directions? Now imagine that happening to an entire city. Riga's aging ...



### Utility-Scale ESS solutions

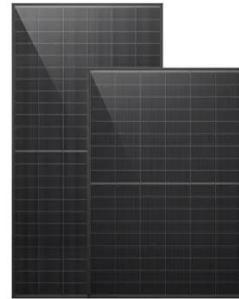


### Major energy storage system installed in western Latvia

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, ...

## **Hoymiles powers Latvia's largest energy ...**

We are clearly moving in the right direction." Utilitas Wind board member Renīrs Urbanovičs explained: "The Tīrgale wind park ...



## **European Energy divests combined solar and battery park in Latvia ...**

European Energy has more than 1 GW of projects in development in Latvia, covering onshore wind, solar, and battery storage. Latvia has set ambitious climate goals, ...

## **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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## **Hoymiles Empowers Latvia's Largest Energy ...**

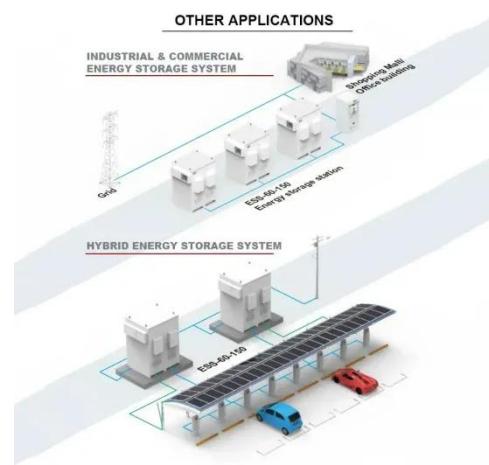
Discover Hoymiles' role in delivering cutting-edge energy storage solutions at



T?rgale Wind Park, improving grid stability and ...

## Integration of renewable energy in the Latvian grid

Variable Renewable Energy Sources (vRES, solar PV and wind)1 capacity in Latvia has grown from 100 MW in 2022 to over 420 MW in 2024 (Figure 1). The huge interest from ...



## Latvia's path to energy transition: Expanding ...

Latvia's Energy Strategy 2050 outlines major changes in renewable energy production and storage, with significant investments ...

## Hoymiles powers Latvia's largest energy storage project

We are clearly moving in the right direction." Utilitas Wind board member

Ren?rs Urbanovi? explained: "The T?rgale wind park energy storage project addresses a significant ...



### **Hoymiles Empowers Latvia's Largest Energy Storage Project ...**

Discover Hoymiles' role in delivering cutting-edge energy storage solutions at T?rgale Wind Park, improving grid stability and advancing renewable energy in Latvia.

### **Riga energy storage**

Riga Energy Agency (REA) is a municipal agency founded in 2007 for the purpose of planning, management, monitoring and coordination of energy- and climate-smart and sustainable ...



### **Latvia's path to energy transition: Expanding renewable energy ...**

Latvia's Energy Strategy 2050 outlines major changes in renewable energy

production and storage, with significant investments planned in wind, solar, biomass, and ...



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### **Latvia's largest battery energy storage system ...**

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