



# Latvian air energy storage solution





## Overview

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Managed by Utilitas, Latvia's largest wind energy producer, this project combines wind energy generation with advanced storage capabilities, setting a new standard for renewable energy infrastructure in the country. The Tārgale Wind Park, initially launched in 2022 with an annual generation.

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 [3]. National Energy.

Latvia state-owned utility and power generation firm Latvenergo intends to deploy 250MW/500MWh of BESS in the next five years. Latvenergo said it will build the battery energy storage system (BESS) projects in response to increasing demand for flexibility and to synergise with its hydropower.

Latvian transmission system operator Augstsprieguma tīkls AS (AST) and German company Rolls-Royce Solutions GmbH (Rolls-Royce) have started cooperation on the construction of Battery Energy Storage Systems (BESS) essential for the security of the energy system of Latvia. Rolls-Royce will install.

Therefore, in the generation portfolio of Latvenergo, alongside hydro power plants (installed capacity ~1550 MW), combined heat and power plants (~1050 MW) and solar and wind capacities under development, we planned to build a BESS which will ensure synergy with the generation and sales portfolio.

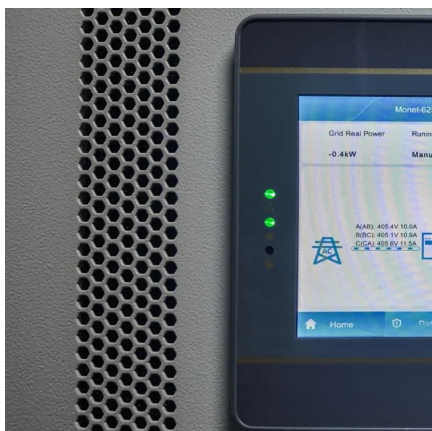
Amid the Baltic region's stringent grid stability requirements, Kehua's C&I liquid-



cooled S<sup>3</sup>-EStore systems have been deployed at a Latvian industrial facility, ensuring uninterrupted participation in ancillary markets. This project demonstrates how modular energy storage solutions can proactively.



## Latvian air energy storage solution



### [Latvia's path to energy transition: Expanding ...](#)

Energy storage systems are an essential element of Latvia's path towards a sustainable and energy-independent future. The ...

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## Hoymiles Powers Latvia's Largest Energy Storage Project at Targale

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 wind energy ...

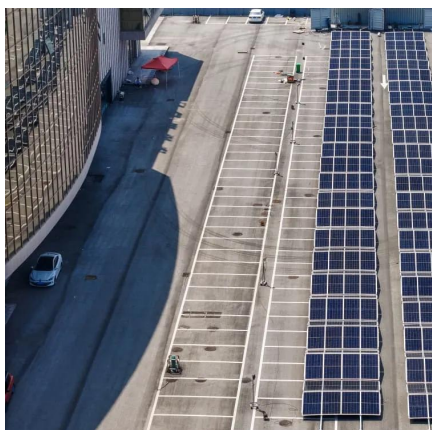
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### [Latvia's Smart Energy: Innovation & Sustainability](#)

Technicians operate the robotic tools to perform inspections, repairs, and cleanings. The solution reduces turbine downtime, minimizes idle stay, optimizes costs, and enhances energy ...

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

Our battery solutions, being one of our strategic business areas, represent a sustainable and reliable contribution to energy security worldwide. The object planned in Latvia will be our ...



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### [Explainer: does liquid air energy storage hold promise?](#)

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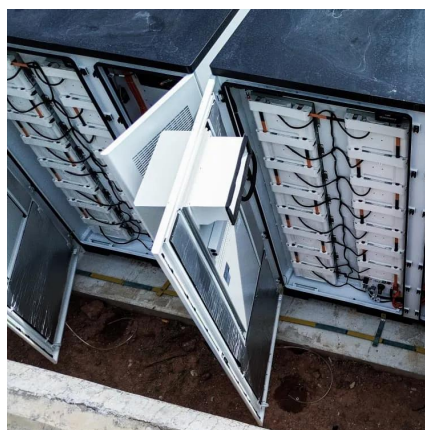
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## Compressed-air energy storage

Compressed-air-energy storage (CAES) is a way to store energy for later use using compressed air. At a utility scale, energy generated during periods of low demand can be released during ...

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### [Hoymiles Powers Latvia's Largest Energy Storage ...](#)

Hoymiles, as a key technology supplier, played a pivotal role in the project. Managed by Utilitas, Latvia's largest wind energy producer, ...

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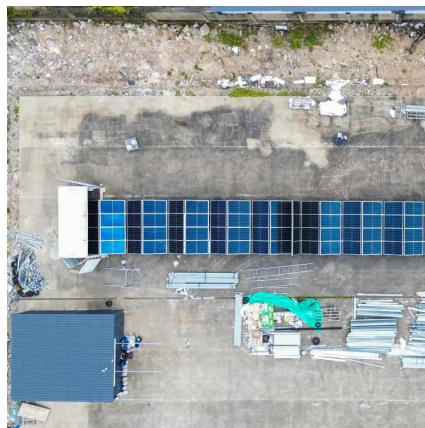
## Latvian Power Storage Solutions



## Innovations Driving Sustainable Energy

Latvian power storage manufacturers are reshaping Europe's renewable energy landscape with cutting-edge battery systems and grid stabilization technologies. Discover how these solutions ...

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### [Latvia: Latvenergo to deploy 250MW/500MWh ...](#)

Large-scale BESS projects in Latvia are being deployed by private developers and operators, including Utilitas Wind and Niam ...

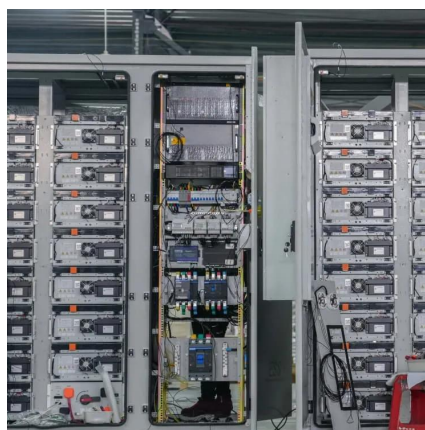
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## Latvia's path to energy transition: Expanding renewable energy ...

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 ...

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### **Kehua's Energy Storage Systems Empower Latvian Industrial ...**

Amid the Baltic region's stringent grid stability requirements, Kehua's C& I liquid-cooled S<sup>3</sup>-EStore systems have been deployed at a Latvian industrial facility, ensuring ...

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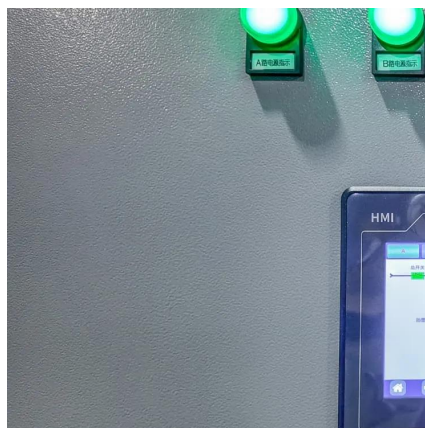
## Latvenergo invests heavily in battery



## 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 to deploy 250MW/500MWh BESS by 2030](#)

Large-scale BESS projects in Latvia are being deployed by private developers and operators, including Utilitas Wind and Niam Infrastructure/Evecon, as well as its transmission ...

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