

# Energy storage industry latvia



## Overview

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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.

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[How artificial intelligence can help achieve a clean energy future](#)

A look at how AI can be used to help support the clean energy transition by helping to manage power grid operations, plan infrastructure investments, guide the development of novel

[A new approach could fractionate crude oil using much less energy](#)

MIT engineers developed a membrane that filters the components of crude oil by their molecular size, an advance that could dramatically reduce the amount of energy needed for crude oil



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

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

[SINEXCEL powers Latvia's largest wind farm energy storage project](#)

With certifications in over 40 countries and 17 GW/50 GWh installed across more than 5,000 projects, SINEXCEL continues to reinforce its position as a leader in the worldwide energy



**Evelyn Wang: A new energy source at MIT**

As MIT's first vice president for energy and climate, Evelyn Wang is working to broaden MIT's research portfolio, scale up existing innovations, seek new breakthroughs, and

channel

[Explained: Generative AI's environmental impact](#)

MIT News explores the environmental and sustainability implications of generative AI technologies and applications.



[KNESS Baltic to Deploy 55 MWh Energy Storage Across Solar Plants](#)

KNESS Baltic plans to deploy over 55 MWh of energy storage across solar plants in Latvia, enhancing grid stability, renewable integration, and overall energy system efficiency.

[Using liquid air for grid-scale energy storage](#)

Liquid air energy storage could be the lowest-cost solution for ensuring a reliable power supply on a future grid dominated by carbon-free yet intermittent energy sources, according to a new



[New facility to accelerate materials solutions for fusion energy](#)

The new Schmidt Laboratory for Materials in Nuclear Technologies (LMNT) at the MIT Plasma Science and Fusion Center accelerates fusion materials testing using cyclotron proton beam

[What's the best way to expand the US electricity grid?](#)

Growing energy demand means the U.S. will almost certainly have to expand its electricity grid in coming years. What's the best way to do this? A new study by MIT researchers examines



[Introducing the MIT-GE Vernova Climate and Energy Alliance](#)



[New materials could boost the energy efficiency of microelectronics](#)

MIT researchers developed a new fabrication method that could enable them to stack multiple active components, like transistors and memory units, on top of an existing circuit, which



[Slovenian company NGEN Group enters Latvia: will develop energy](#)

NGEN group is a Slovenia-based energy company specializing in energy storage and flexibility solutions, developing energy storage projects and market flexibility solutions in various

The MIT-GE Vernova Climate and Energy Alliance, a five-year collaboration between MIT and GE Vernova, aims to accelerate the energy transition and scale new innovations.



[MIT Energy Initiative conference spotlights research](#)

At the MIT Energy Initiative's Annual Research Conference, industry leaders agreed collaboration is key to advancing critical technologies amidst a changing energy landscape.



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