SolarMax Energy

Latvian Flywheel Energy Storage Company

Overview

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 a flywheel energy storage system (fess)?

To solve this problem, London-based startup Levistor has developed an innovative Flywheel Energy Storage System (FESS), which acts as a kinetic battery. This technology stores energy from the grid during periods of low demand and releases it rapidly when an EV needs a quick charge. It can deliver 100 miles of range in just five minutes.

What is flywheel technology?

Flywheel technology is a method of energy storage that uses the principles of rotational kinetic energy. A flywheel is a mechanical device that stores energy by spinning a rotor at very high speeds.

Why do we need advanced flywheel energy storage systems?

This brings us to the pressing need for innovative solutions such as Advanced Flywheel Energy Storage Systems (FESS), which offers a sustainable and efficient alternative. FESS offers unparalleled longevity and reliability, with lifespans exceeding 50,000 cycles and design lives of over 25 years.

Are new wind farms a good investment for Latvia's energy security?

I am pleased that the bar has been set high for developers of new wind farms, which also plays an important role in the context of Latvia’s energy security,” said Climate and Energy Minister of Latvia, Kaspars Melnis. Given the total investment in the project, the OP Corporate Bank provided loan financing.

How does a flywheel store energy?

A flywheel is a mechanical device that stores energy by spinning a rotor at very high speeds. The basic concept involves converting electrical energy into rotational energy, storing it, and then converting it back into electrical energy when needed.

Latvian Flywheel Energy Storage Company

Flywheel energy storage station explodes in Latvia

Today, flywheel energy storage systems are used for ride-through energy for a variety of demanding applications surpassing chemical batteries. A flywheel system stores ...

Secure energy storage and management systems - ...

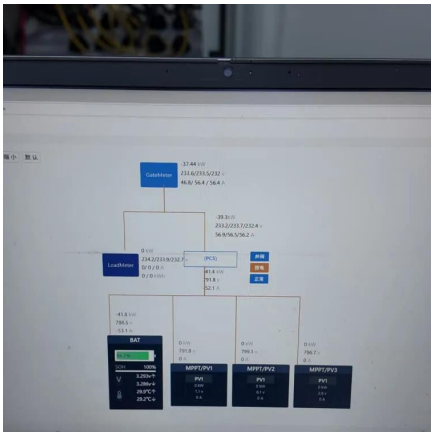
Our full-stack energy storage, management, security, and generation solutions are customized to meet the unique needs of utility companies, C& I buildings, ...

$200 Million For Renewables-Friendly Flywheel Energy Storage

1 day ago· The US startup Torus Energy combines flywheel technology with 21st century battery chemistry in one advanced energy storage system

Flywheel Systems for Utility Scale Energy Storage

Amber Kinetics, Inc. is the first company to design a long-discharge duration kinetic energy storage system based on advanced flywheel technology ideal for use in energy storage ...



Flywheel Energy Storage Systems , Electricity ...

This flywheel, when paired to a motor/generator unit, behaves like a battery and energy can be stored for hours and dispatched on demand. The system ...

32 Top Energy Companies in Latvia · August 2025 , F6S

Detailed info and reviews on 32 top Energy companies and startups in Latvia in 2025. Get the latest updates on their products, jobs, funding, investors, founders and more.

World's Largest Flywheel Energy Storage System

Where these renewable technologies fall short is the inability to store energy without the use of gigantic battery banks. The flywheel system ...

HOYMILES POWERS LATVIA''S LARGEST ENERGY STORAGE ...

The Energy Commission has funded two energy storage projects for Eos. One project, funded with more than $2.1 million, is pilot testing a 125 kW/375 kWh alternating current (AC) ...

Flywheel Energy Storage: A High-Efficiency Solution

Flywheel energy storage is an exciting solution for efficient and sustainable energy management. This innovative technology offers high efficiency and substantial environmental ...

Latvian Energy Company , Energrid

We provide customers with full-service energy solutions. From electricity generation with solar panels to energy storage and various solutions for more ...

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 ...

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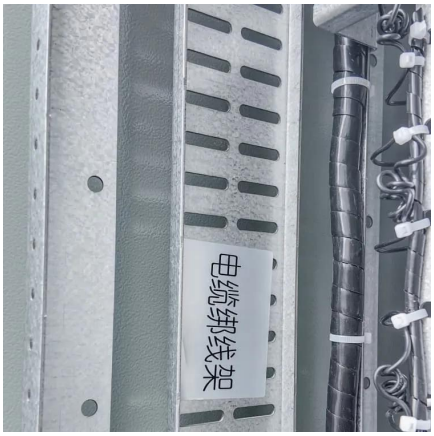
The QuinteQ flywheel system is the most advanced flywheel energy storage solution in the world. Based on Boeing's original designs, our compact, lightweight and mobile system is scalable ...



Flywheel Energy Storage Systems , Electricity Storage Units

This flywheel, when paired to a motor/generator unit, behaves like a battery and energy can be stored for hours and dispatched on demand. The system service life is 20 years, without limits ...

The Amber Kinetics Energy Storage System

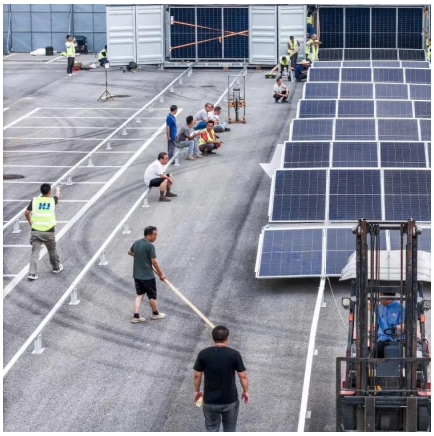
As the energy transition and electrification develop, companies and utilities are looking to bridge the gap between traditional energy generation and renewables, which are seasonal and ...

ENERGY STORAGE TECH STARTUPS IN LATVIA

Battery energy storage systems (BESS) play a key role here - they make it possible to store energy and retrieve it when needed, reducing dependence on the power grid.

Top 5 Advanced Flywheel Energy Storage Startups in 2025

Torus is revolutionizing the energy storage landscape with its advanced Flywheel Energy Storage System (FESS), which offers a sustainable and efficient alternative to traditional chemical ...

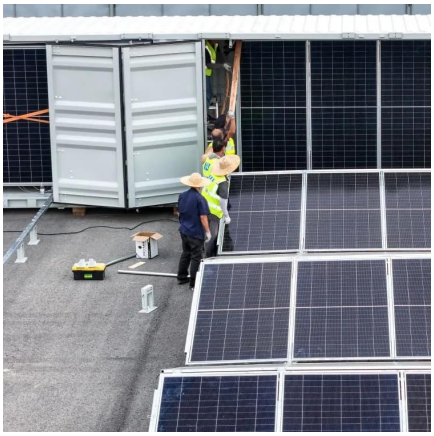


Which Company is Leading the Flywheel Energy Storage ...

Flywheel Energy Storage 101: The Spin Doctors of Clean Energy Imagine a marathon runner who never gets tired--that's essentially what flywheel energy storage ...

Top 10 flywheel energy storage manufacturers in China

Flywheel energy storage is widely used in electric vehicle batteries, uninterruptible power supplies, uninterrupted power supply of wind power ...



HOME , Qnetic

Qnetic's revolutionary flywheel energy storage system (FESS) has the biggest energy capacity in the world. It is a technological breakthrough, resulting in a ...

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Flywheel Energy Storage Latvia

ETC Group company, STORNETIC, develops high-tech flywheel-based systems that offer a viable alternative to the extensive use of batteries in energy storage, grid management and ...

XUN POWER , Flywheel Energy Storage

Discover the power of innovation and collaboration with Xun Power, a leading energy company driving transformative solutions for a sustainable future. ...

10 New Energy Storage Companies , StartUs Insights

Gain data-driven insights on energy storage, an industry consisting of 14K+ organizations worldwide. We have selected 10 standout innovators from 2.8K+ new energy storage ...

Home

Our flywheel energy storage systems use kinetic energy for rapid power storage and release, providing an eco-friendly and efficient alternative to traditional ...

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How flywheel energy storage works

A review of energy storage types, applications and recent developments. S. Koohi-Fayegh, M.A. Rosen, in Journal of Energy Storage, 2020 2.4 Flywheel energy storage. Flywheel energy ...

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