

Using new energy storage

Breakthroughs in battery technology are transforming the global energy landscape, fueling the transition to clean energy and reshaping industries from transportation to utilities.

By the end of December 2025, China's cumulative installed capacity of new energy storage technologies including lithium-ion reached 144.7GW, representing an 85% year-on-year rise.

Here are ten notable innovations taking place across different energy storage segments, as highlighted in GlobalData's Emerging Energy Storage Technologies report.

Electrification, integrating renewables and making grids more reliable are all things the world needs. However, these can't happen without an increase in energy storage. Battery storage in ...

MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids.

On sunny and windy days, renewable energy sources can supply energy storage systems, which can be deployed at night, on cloudy days, or when there's less wind. Energy storage systems...

As America moves closer to a clean energy future, energy from intermittent sources like wind and solar must be stored for use when the wind isn't blowing and the sun isn't shining.

Comprehensive guide to renewable energy storage technologies, costs, benefits, and applications. Compare battery, mechanical, and thermal storage systems for 2025.

From rust to sand to gravity, new techniques are making it happen. Solar and wind energy systems require some means of saving power for times when the sun doesn't shine and the wind ...

Recommendations for tailored energy storage solutions in diverse applications. This review investigates the integration of renewable energy systems with diverse energy storage ...

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