

# Why do we need new energy storage

In this piece, we highlight six key reasons why energy storage will be at the center of the global transition, beyond the obvious intermittent issues of wind and solar.

In this article, we'll explore why energy storage is just as important as generation, how it prevents waste, stabilises the grid and enables a future powered entirely by renewables.

There are 5 powerful reasons why energy storage is one of the central technologies reshaping energy systems that are laying the groundwork for a fossil-free future:

Energy storage is key to secure constant renewable energy supply to power systems - even when the sun does not shine, and the wind does not blow. Energy storage provides a solution ...

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What is renewable energy storage (and why is it important for reaching net zero)? Renewable energy plays a key role in the journey to net zero carbon emissions, helping to reduce ...

Energy storage allows energy to be saved for use at a later time. It helps maintain the balance between energy supply and demand, which can vary hourly, seasonally, and by location.

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

We need additional capacity to store the energy generated from wind and solar power for periods when there is less wind and sun. Batteries are at the core of the recent growth in energy ...

To get on track with global climate targets, the world will need to add 1,500 GW of energy storage capacity to its grids by 2030. Still, the pace of energy storage development is accelerating, and...

Energy storage is a potential substitute for, or complement to, almost every aspect of a power system, including generation, transmission, and demand flexibility.

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