

# Energy storage project hotspot

Energy storage can provide grid stability and eliminate CO2 but it needs to be more economical to achieve scale. We explore the technologies that can expedite deployment, ensure safety and boost ROI supporting a faster race to zero.

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. Replacing fossil fuel-based power generation with power generation from wind and solar resources is a key strategy for decarbonizing electricity.

Thermal energy storage (TES) can help to integrate high shares of renewable energy in power generation, industry and buildings. The report is also available in Chinese ( ). This outlook from the International Renewable Energy Agency (IRENA) highlights key attributes of TES technologies and identifies priorities for ongoing research and ...

One of the key goals of this new roadmap is to understand and communicate the value of energy storage to energy system stakeholders. Energy storage technologies are valuable components in most energy systems and could be an important tool in achieving a low-carbon future.

Energy storage is fundamental to stockpile renewable energy on a massive scale. The Energy Storage Program, a window of the World Bank's Energy Sector Management Assistance Program's (ESMAP) has been working to scale up sustainable energy storage investments and generate global knowledge on storage solutions.

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