



Future-Proofing Energy Storage. Ready for tomorrow, future-proof your investment. Energy storage has reached a turning point as a mainstream grid-reliability resource. The United States achieved another year of record deployments in 2016, and forecasts show continued rapid expansion of the energy storage industry.



Future-proofing energy storage. With changing dynamics in the energy market, energy asset owners and operators will be successful only if they future-proof their energy storage investments. Learn about Wartsila's approach to future-proofing energy storage projects in two significant markets: the United Kingdom and California. Download White Paper.



As the sun does not shine all day, integrating reliable storage methods is crucial for times of low or no renewable energy generation, and mitigates the risk of grid blackouts as well. Analysts conclude that the power couple of solar-plus-storage is one of the best opportunities for battery commercialization.

# FUTURE PROOFING ENERGY STORAGE



Wartsil is a global leader in smart technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable innovation, total efficiency and data analytics, Wartsil maximises the environmental and economic performance of the vessels and power plants of its customers.



To develop future-proof energy storage systems, storage developers should harness technology and project engineering tailored specifically for flexibility. Future-proofing also demands commercial agreements as well as analytical expertise to enhance the operational value of energy storage.

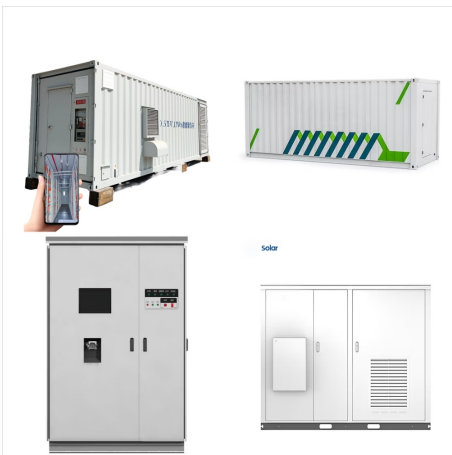


Thermal energy storage is predicted to triple in size by 2030. Mechanical energy storage harnesses motion or gravity to store electricity. If the sun isn't shining or the wind isn't blowing, how do we access power from renewable sources?

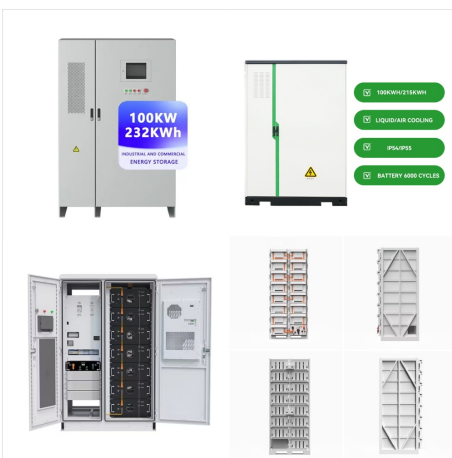
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MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids. Replacing fossil fuel-based power generation with power generation from wind and solar resources is a key strategy for decarbonizing electricity.



the important role of energy storage in future decarbonized electricity systems that will be central to the fight against climate change. Deep decarbonization of electricity generation together with electrification of many end-use activities is necessary to limit and its



Due to rapidly changing grid dynamics and the long life required of storage assets, energy storage owners should future-proof their investments. In this white paper, W?rtsil? details the requirements involved in future-proofing energy storage, including approaches