

PILOT PROJECT FOR ENERGY STORAGE INDUSTRIALIZATION



What is science and Technology Innovation (Energy Storage)? On November 10, 2020, the National Energy Administration published a list of its first batch of science and technology innovation (energy storage) pilot demonstration projects. The list of projects includes generation-side, behind-the-meter, and grid-side applications, as well as thermal-generation-bundled energy storage for frequency regulation.



Will energy storage industrialization be a part of the 14th five-year plan? While looking back on 2020, we also looking forward to the development of energy storage industrialization during the 14th Five-year Plan, as policy and market mechanisms become the key to promote the full commercialization and large-scale application of energy storage.



What is compressed air energy storage? "Compressed air energy storage", alongside pumped-storage hydroelectricity, is one of the most mature physical energy storage technologies currently available. It will serve for constructing a new energy system and developing a new power system in China, as well as a key direction for cultivating strategic emerging industries.



What will Shanghai's energy-storage project do? Zhuang Mudi, deputy secretary-general of the Shanghai municipal government, said the project will help drive the development of the new energy-storage industry, as well as the green and low-carbon transformation of Shanghai.



What is Guohua power's pilot project? The pilot project for carbon capture and storage. The project represents an innovation made by Guohua Power in pursuing energy conservation, emission reduction and low-carbon development. It has been cited as a key construction project in Shaanxi Province in 2018 and a major technological innovation project of China Energy.

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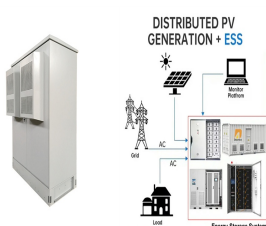
Is China's energy storage industry ready for industrialization? While it is true that the development of China's energy storage industry has moved from a technical verification stage to a new stage of early commercialization, the industry still faces many challenges which hinder development, and true "industrialization" has not yet materialized.



Under the direction of the national "Guiding Opinions on Promoting Energy Storage Technology and Industry Development" policy, the development of energy storage in China over the past five years has entered the fast track. ???



Significantly accelerate the transfer of new energy storage technologies from basic research to industrialization. The development of the Institute gives priority to the strategic needs of the state, local governments, ???



The company's new plant will be located in the Lin-gang Special Area of China (Shanghai) Pilot Free Trade Zone. Zhuang Mudi, deputy secretary-general of the Shanghai municipal government, said the project will help drive ???



It is optimizing energy storage, power generation from new energy sources and the operation of the power system, and carrying out electrochemical energy storage and other peak-shaving pilot projects. It has promoted the ???

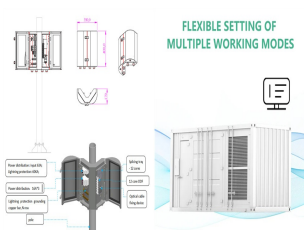
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The first batch of energy storage demonstration projects adopted various technical types such as electrochemical energy storage, physical energy storage, and heat storage, and covered the ???



Note: On Thursday, August 15, Great River Energy and Form Energy announced that they broke ground on the Cambridge Energy Storage Project, a 1.5 MW / 150 MWh pilot project in Cambridge, Minnesota. The project marks the first ???



This FOA is in coordination with DOE's Office of Clean Energy Demonstrations (OCED)'s Notice of Intent to fund \$100 million for Long-Duration Energy Storage Pilot projects, focusing on non-lithium technologies, 10+ hour ???



As part of its efforts to diversify the energy mix and enhance energy storage technologies, the Dubai Electricity and Water Authority (DEWA) has inaugurated a pilot project for energy storage at the Mohammed bin ???