

# ANALYSIS OF ENERGY STORAGE FIELD DEVELOPMENT AREA



Are there any gaps in energy storage technologies? Even though several reviews of energy storage technologies have been published, there are still some gaps that need to be filled, including: a) the development of energy storage in China; b) role of energy storage in different application scenarios of the power system; c) analysis and discussion on the business model of energy storage in China.



How is energy storage developing in China? However, China's energy storage is developing rapidly. The government requires that some new units must be equipped with energy storage systems. The concept of shared energy storage has been applied in China, which effectively promotes the development of energy storage. 4.3. Explore new models of energy storage development



Why should energy storage technology be used in a large-scale application? The premise of large-scale application of energy storage technology is to set industry standards for energy storage. On the one hand, there have been many safety accidents in energy storage systems around the world. The development of energy storage standards can effectively reduce the danger of energy storage.



What are the application scenarios of energy storage in China? It also introduces the application scenarios of energy storage on the power generation side, transmission and distribution side, user side and microgrid of the power system in detail. Section 3 introduces six business models of energy storage in China and analyzes their practical applications.



How has energy storage changed over 20 years? As can be seen from Fig. 1, energy storage has achieved a transformation from scientific research to large-scale application within 20 years. Energy storage has entered the golden period of rapid development. The development of energy storage in China is regional. North China has abundant wind

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power resources.

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What will the energy storage industry look like in East Asia & Pacific? Additionally, in many of these areas the industry is likely to adopt a more distributed approach to grid development, using more local power generation and microgrid systems. We expect that the largest energy storage market in the East Asia & Pacific region will be China.



In November 2014, the State Council of China issued the Strategic Action Plan for energy development (2014-2020), confirming energy storage as one of the 9 key innovation areas.



Firstly, this paper analyses the current situation of energy storage in Jilin Province and interprets the policy plan issued by the Jilin Provincial Government, proposing that energy storage is an emerging industry.



However, the current development of EES still faces key problems in terms of high cost and poor electrical safety [8]. Zakeri and Syri [9] calculated the life cycle costs of different types of energy storage.



Up to 1.05% of Indian land area is deemed suitable for CAES plant development and if fully utilised would be sufficient to meet the energy storage needs of India, however, the technology is still in the early stages of development.

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Currently, energy storage has been widely confirmed as an important method to achieve safe and stable utilization of intermittent energy, such as traditional wind and solar ???



In the realm of electrochemical energy storage research, scholars have extensively mapped the knowledge pertaining to various technologies such as lead-acid batteries, lithium ???