

The first set of charging and discharging units of the Rudong 100MWh gravity energy storage project was successfully tested.

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Recently, the first set of charging and discharging units of the Rudong 100MWh gravity energy storage project invested and built by China Tianying Co., Ltd. was successfully tested, which will play a leading role in the field of energy storage and further help our county form a new pattern of new energy industry with multi-level and multi-field coordinated development. On the morning of the 4th, Chen Huiyu, Secretary of the County Party Committee, went to the project site to learn about the construction and operation of the project, visited the workers struggling on the front line during the festival, and congratulated the successful test of the first set of charging and discharging units of the Rudong Gravity Energy Storage Project.



The Rudong 100MWh gravity energy storage project has a total investment of 650 million yuan, which is the world's first 100MW gravity energy storage project. The project adopts the world's leading gravity energy storage tech-

nology to build an energy storage tower 120 meters long, 110 meters wide and 148 meters high. The vertical lifting and horizontal displacement of the gravity block are controlled by artificial intelligence algorithm to realize the conversion of potential energy and electrical energy. The main project was capped on September 26, 2023. In October 2023, it was selected as the first (set) list of major technical equipment (projects) in the energy field of the National Energy Administration. In January 2024, it was jointly selected as the emerging storage of the National Energy Administration with the 17MWh/68MWh gravity energy storage project in Gansu. It can pilot demonstration projects.



Chen Huiyu listened carefully to the introduction of the project leader and visited the operation of charging and discharging of two channels on the spot. He said that gravity energy storage technology, as a new energy opti-

mization configuration and storage, can adjust mutual assistance within a larger time scale and space, improve the ability of the power grid to accept renewable energy, better provide frequency modulation and peak adjustment services for Jiangsu power grid, and promote local new energy consumption. The successful test of the first set of charging and discharging units of this project fully proves that China's Tianying, relying on advanced gravity energy storage technology, strong R&D and manufacturing capabilities of new energy equipment and zero-carbon energy technology, has the technology and strength of building and operating large-scale commercial gravity energy storage projects, which will be the foundation for the success of the overall project. Lay a solid foundation. Rudong will provide a strong guarantee for the construction of the project with higher efficiency and better service. It is hoped that both government and enterprises will take the successful test of the first set of charging and discharge units of the project as an opportunity to further integrate superior resources, strengthen exchanges and cooperation, and jointly promote the high-quality development of the green energy industry.

Yan Shengjun, chairman of China Tianying, said that since the start of the Rudong 100MWh gravity energy storage project, thanks to Rudong's high-quality business environment and efficient services, the project construction has been promoted with high quality and efficiency. Enterprises will live up to expectations, fulfill their duties, ensure the smooth delivery and operation of the project, and make positive contributions to the high-quality development of the East economy and society.



County leaders Li Jian and Dai Feng participated in the event.

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28



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