Construction Speeds Up on Zhangye City's First Gravity Energy Storage Technology Application Demonstration Project

As Zhangye City's first key project demonstrating the application of gravity energy storage technology, 17 megawatt/68-megawatt-hour gravity energy storage project of China Tianying Inc.(CNTY) has entered a crucial stage of construction. Over three hundred construction workers are seizing the effective construction period, striving on the front lines of the project construction. The project, which commenced in April this year, has a total investment of RMB 670 million yuan, and more than RMB 60 million yuan has already been invested. The main structure being constructed is an energy storage tower with a height of 175 meters, featuring 3 underground levels and 31 above-ground levels.

Guobing Zhou, Project Manager of Zhangye Nengying Energy Storage Technology Co., Ltd., said, "The first phase of the project has completed the raft foundation construction and the construction of the third subterranean level, and is now carrying out the construction of the second and first subterranean levels. The next key steps are to push forward the project progress under the premise of ensuring quality and safety, striving for early completion and operation."

The project adopts a new type of energy storage technology, using surplus electricity from new energy generation projects to power composite modules for "charging," and then during peak electricity demands, the gravity modules generate electricity by means of gravitational work. The raw materials for the production of gravity modules are made from waste materials, maximizing reduction and resource reuse.

Guobing Zhou, Project Manager of Zhangye Nengying Energy Storage Technology Co., Ltd., stated, "After the completion of the first and second phases, the project can provide nearly a hundred job positions, serving various new energy projects in Zhangye city, contributing to the strengthening of the base and supply chain of the new energy industry, and creating a base for the energy storage industry."

[Video]
The CNTY 17 megawatt-hour and 68 megawatt-hour gravity energy storage projects, as our city's first key project exemplifying gravity storage technology application, has entered a pivotal construction phase. Over 300 construction workers are pressing forward during the effective building period, working tirelessly at the front lines of construction.
The project, which commenced in April of this year, involves a total investment of RMB 670 million yuan. So far, more than RMB 60 million yuan has been invested, mainly on the construction of the energy storage tower that stands 175 meters high, with 3 underground levels and 31 above-ground floors.

In the first phase, the construction of the raft foundation and the structure of the third underground level have been completed, and the construction of the second and first underground levels is in progress. The focus going forward is to ensure that the project continues to make headway in both quality and safety, aiming for early completion and operation.

The project makes use of a novel energy storage technique that harnesses surplus electrical energy from new energy generation projects to charge composite modules. During times of peak energy demand, the gravity modules generate power by harnessing gravitational force.

The materials used in the gravity modules are sourced from recycled waste, promoting maximum reduction in volume and re-utilization of resources. Upon completion of the first and second phases, the project is expected to provide close to a hundred job opportunities. It will support various new energy projects in Zhangye City, aiding to strengthen the base and supply chain of the new energy industry and establishing a hub for the energy storage industry.

This is reported by our channel.