

The first gravity energy storage project





Overview

The Rudong project is the world's first commercial scale deployment of a non-pumped hydro, gravitational energy storage system. What is gravity energy storage system (GESS)?

The 25 MW/100 MWh EVx™ Gravity Energy Storage System (GESS) is a 4-hour duration project being built outside of Shanghai in Rudong, Jiangsu Province, China. The EVx™ is under construction directly adjacent to a wind farm and national grid.

Where is the gravity energy storage system based?

The research and development of the gravity energy storage system has been based in Ticino and operational since 2019 with its own R&D centre. The commercial demonstration unit has been connected to the Swiss national utility grid and used for two years of testing and software commissioning.

What is Energy Vault project?

Energy Vault Project (China, Rudong) - Groundbreaking of this first of its kind, gravity energy storage center was announced in May of 2022.

Which energy storage project is under construction in China?

Another Energy Vault gravity energy storage project under construction in Zhangye City, Gansu Province, China. Image: Business Wire. Energy Vault has connected its first commercial EVx gravity-based energy storage system to the grid in China, while construction has been launched on three others, all-in-all totalling 468MWh of capacity.



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[China Tianying's Rudong 100MWh Gravity Energy Storage](#)

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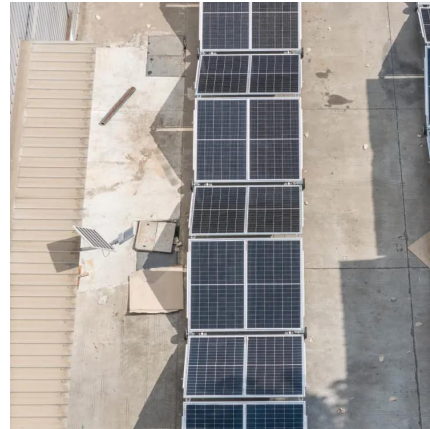
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[Energy Vault, Agilitas Energy launch Texas ...](#)

Jun 12, 2025 · The 57MW/114MWh Cross Trails BESS is located in Scurry County, Texas. Image: Energy Vault In Texas, two companies, Energy ...



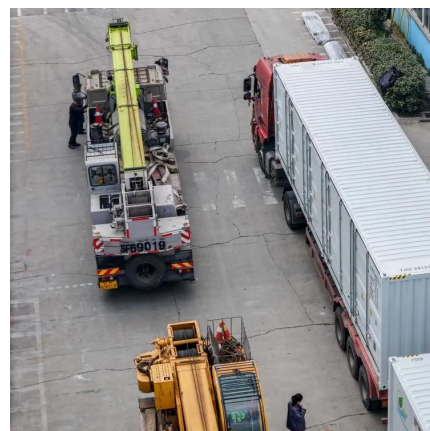
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[World's first 26MW gravity energy storage project nears ...](#)

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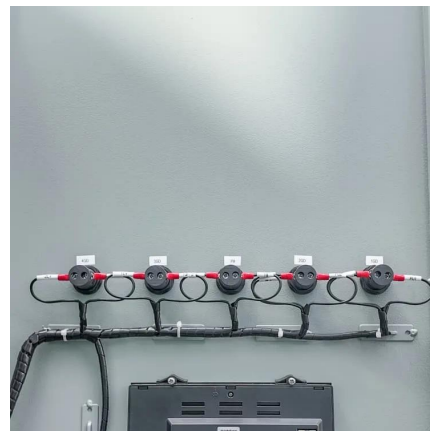


[Solid gravity energy storage: A review](#)

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[Gravitricity and Energy Vault Move](#) [Forward ...](#)

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[Energy Vault commissions China project.](#)

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