

NKOSITHANDILEB SOLAR

Male Gravity Energy Storage Project



Overview

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.

Why is gravity the future of energy storage?

As the world generates more electricity from renewable energy sources, there is growing demand for technologies which can store excess energy produced and release it on demand. Gravitricity develops innovative, long duration underground storage technologies that deliver flexible, low-cost solutions for energy storage.

Who is gravity?

Gravitricity is powered by a highly skilled and multidisciplinary team, committed to delivering innovative solutions to the challenges of the global energy transition. Our professionals bring deep industry expertise and a rigorous approach to solving complex technical and commercial problems in the energy storage sector.

Can gravity energy storage power 9 homes a year?

The company's first commercial grid-scale project using its proprietary gravity energy storage technology in Rudong, near Shanghai, was connected to the grid in December 2023 and can store up to 100 MWh. In other words, this is enough electricity to power nine homes for a whole year just from stored energy.

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The Rudong EVx project will be the world's first commercial, utility-scale, non-pumped hydro gravity energy storage system once final provincial and state approvals are ...

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These forms include Tower Gravity Energy Storage (TGES), Mountain Gravity Energy Storage (MGES), Advanced Rail Energy Storage (ARES), and Shaft Gravity Energy ...

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