



MODERNIZATION SOLAR

The world's first wind power storage





Overview

Where is the world's first wind-powered underwater data center located?

China has finished construction of what's being billed as the world's first wind-powered underwater data center (UDC), located off the coast of the Lin-gang Special Area of China (Shanghai) Pilot Free Trade Zone.

What is China's wind-powered underwater data center?

Explore China's innovative wind-powered underwater data center off Shanghai. This sustainable facility drastically cuts energy, water, and land use for AI, 5G, and IoT applications.

Where is China's first offshore wind power plant located?

The Lin-gang Special Area build, about 47 miles (75 km) southeast of central Shanghai, is the first to employ offshore wind power generation, combining renewable energy with subsea cooling on such a large commercial scale.

How much does a wind power project cost?

The project, which cost around ¥1.6 billion (US\$226 million), marks a bold step in sustainable, high-performance computing infrastructure. The ambitious project combines offshore wind power, which supplies more than 95% of the facility's electricity, with a naturally cooled seabed environment to cut energy and land use.



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Why Wind Power Storage Changes Everything
Imagine storing wind energy like saving money in a bank - that's exactly what the world's first wind power storage system achieves. As ...

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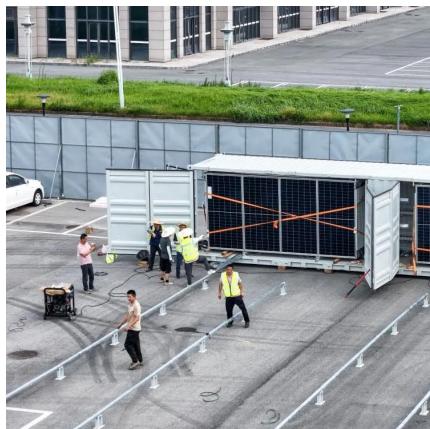
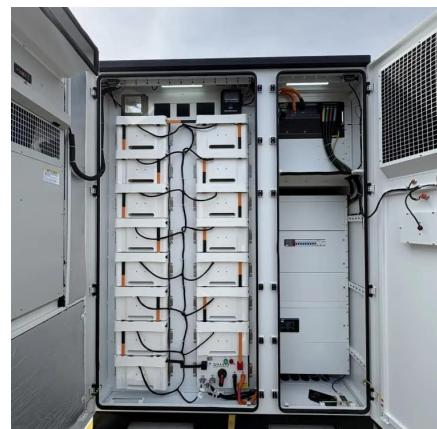
Zhiguang Energy Storage Powers World's First Wind Farm for Power

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The project, completed in December 2023, was a collaboration between CGDG, Zhiguang Energy Storage, and Shanghai Jiao Tong University. The technical team successfully conducted tests ...

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World's first wind-powered commercial underwater data ...

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