

# Edge computing using industrial server racks in Hainan Free Trade Port 80kWh

Does China Telecom Hainan's underwater data center have a good performance?

A semi-annual operational report by China Telecom Hainan, one of the Lingshui underwater data center's first clients, and China Academy of Information and Communications Technology (CAICT) confirms the underwater data center's stable performance since its 2023 launch, with zero server failures and no need for on-site maintenance.

Why is Hainan launching a data center in China?

The deployment sits within Hainan's free-trade zone, where China has relaxed regulations to allow full foreign ownership of data center and telecom operations. The project supports Hainan's push to become a maritime and tech innovation hub, integrating marine science, digital services, and offshore infrastructure.

What is a strategic plan for Hainan's Digital Economy?

A STRATEGIC PLAN FOR HAINAN'S DIGITAL ECONOMY Pu noted that next, with the support of the current Lingshui project, an intelligent computing center will be established at Lingshui for the Hainan Free Trade Port (FTP), one of the country's special economic zones.

Where is Hainan's Intelligent Computing Cluster buried?

An aerial drone photo taken on Feb. 18, 2025 shows Hainan's commercial underwater intelligent computing cluster being lowered into the sea near Lingshui Li Autonomous County in south China's Hainan Province. (Xinhua) by Yi Ling and Zhou Huimin

Looking ahead, the Lingshui underwater project will help to establish an intelligent computing centre for the Hainan Free Trade Port (FTP). Hainan, one of China's special economic ...

In a bold leap at the intersection of technology, energy, and marine systems, China has launched the world's first commercial underwater data center off the coast of Hainan province. This pioneering ...

Xi stressed that Hainan should continue to free the mind, explore new ground with innovation, overcome difficulties and make steady progress in its strive to build the Hainan Free ...

An aerial drone photo taken on Feb. 18, 2025 shows Hainan's commercial underwater intelligent computing cluster being lowered into the sea near Lingshui Li Autonomous County in ...

Liyunjia, Ding Qi Research on cross border e-commerce logistics system of Hainan aquatic products under the background of "free trade port". Logistics technology, 2020, 43 (10): 55-58

Overview Hainan is a provincial-level administrative region consisting of 19 cities and counties, with Haikou as its capital city. It is China's largest special economic zone, largest free trade pilot zone, ...

The project will provide strategic support for scientific innovation, industrial upgrading, and cross-border data



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flows in the Free Trade Port, helping position Hainan as a hub for international ...

Future plans for the region include further expansion of intelligent computing capabilities to bolster Hainan's role as a significant player in China's digital economy, particularly within the Hainan Free ...

The project, situated in Lingshui County, Hainan Province, represents a step forward in the nation's strategy to grow its marine-based economy, using wind power and ocean cooling. The ...

China has switched on the world's first commercial underwater data centre, marking a milestone in sustainable digital infrastructure. Located in Lingshui County, Hainan Province, the ...

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