

## European Solar and Energy Storage Solutions

# Three Gorges Wind Power Offshore Power Generation



## Overview

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What is China Three Gorges?

China Three Gorges (CTG) has been through a critical energy transition in the past decade. It is poised to become the most significant offshore wind developer and a renewable heavyweight in China, while formerly only known for its world-class hydropower assets.

Which OEMs supply the largest offshore wind turbines in China?

In the 77.4MW Xnghua Bay Project (Phase I) in Fujian, CTG has chosen eight OEMs to supply then-largest turbines (5-6.7MW) in China. The Phase II project has put up so-far the largest offshore wind turbines in China: the 8MW and 10MW machine of Goldwind and Dongfang Electric. [READ More: our analysis of Chinese OEMs' 10MW Turbine R&D].

What is China's first offshore wind farm?

The world's first offshore wind farm using 16-megawatt turbines was put into operation and started power generation on Wednesday off China's Fujian province, representing an important breakthrough for China's offshore wind power industry, said its operator China Three Gorges Corp.

Where is Dongfang wind power located?

Workers of Dongfang Electric Wind Power Co., Ltd. produce offshore wind turbines of 18-megawatt at the Fujian Three Gorges Offshore Wind Power International Industrial Park in Fuqing City, southeast China's Fujian Province, Aug. 8, 2024. [Photo/Xinhua].

Why is China launching a giant offshore wind farm?

LIN SHANCHUAN/XINHUA The launch of a giant offshore wind farm with the world's largest per-unit capacity in China marks a breakthrough in high-end wind turbine manufacturing and deep-sea offshore wind power construction capabilities, said industry analysts.

Where is a robotic arm producing offshore wind turbines?

A robotic arm produces offshore wind turbines of 18-megawatt at the Fujian Three Gorges Offshore Wind Power International Industrial Park in Fuqing City, southeast China's Fujian Province, Aug. 8, 2024. [Photo/Xinhua]

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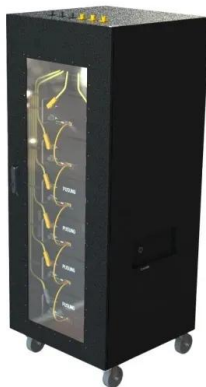


### World's First Offshore Wind Farm Using 16 MW ...

China Three Gorges Corporation (CTG) has started construction of the second phase of its offshore wind farm Zhangpu Liua. The project will be both China's and the world's first wind farm to comprise 16 MW wind turbines.

### Power plant profile: Guangdong Three Gorges Shantou Nanao Yangdong Wind

Guangdong Three Gorges Shantou Nanao Yangdong Wind Farm is a 300MW offshore wind power project. It is planned in South China Sea, Guangdong, China. According to GlobalData, ...



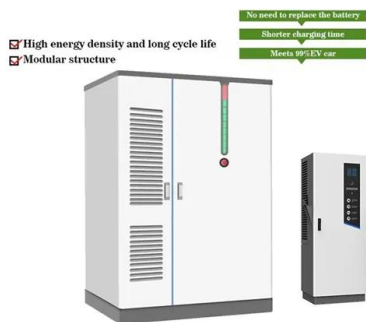
### Grid connected power generation of China's first megawatt offshore wind ...

Cailian news agency, Dec. 25 - China's first megawatt offshore wind power project - the Three Gorges Yangjiang Shaba offshore wind farm has realized full capacity grid connected power ...

### China's first offshore wind farm with largest single-

## capacity ...

The project, built by China Three Gorges Corporation, is located about 30 kilometers from the coastline of Zhangpu County. With a total installed capacity of 400 megawatts, the wind farm ...

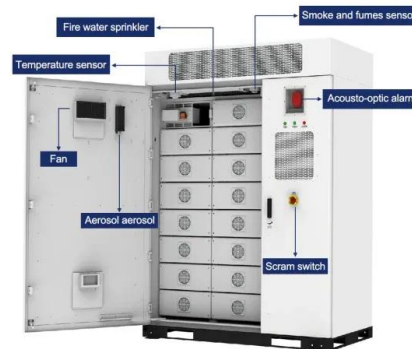


## Power plant profile: Yangjiang Wind Offshore Project 1, China

Yangjiang Wind Offshore Project 1 is a 1,000MW offshore wind power project. It is planned in South China Sea, Guangdong, China. According to GlobalData, who tracks and profiles over ...

## First Offshore Wind Power Project's Power Generation Exceeds ...

The Rudong project has constructed Asia's first offshore converter station, with a total weight of 22,000 tons. It adopts the  $\pm 400$ -kilovolt DC submarine cable with a length of ...



## China's 2,000-Tonne Wind Turbine Installation Vessel ...

According to China Three Gorges (CTG), Baihetan is the world's first next-generation offshore wind farm installation platform in service and can handle wind turbines of up to 15 MW. The construction of the jack-up ...

## China's first offshore wind farm with largest single-capacity turbines ...

ZHANGZHOU, June 28 (Xinhua) -- The phase II project of Zhangpu wind farm, China's first offshore wind farm with the largest single-capacity turbines, was connected to the grid for ...



## The world's first anti-typhoon floating unit

The "Three Gorges Pioneer" is designed according to the extreme wind, wave and current conditions once in 50 years, and can withstand up to 17 typhoons, making new contributions to the exploration of anti-typhoon ...

## Power plant profile: Three Gorges New Energy Jiangsu Rudong H6 Offshore ...

Shanghai Electric Wind Power Equipment was selected as the turbine supplier for the wind power project. The company provided 100 units of SWT-4.0-146 turbines, each with 4MW nameplate ...



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