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# Will China's nuclear power participate in the construction of 5G base stations





## Overview

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Why is 5G a good choice for a nuclear power plant?

At present, 5G wireless communication networks have become the standard infrastructure for new and ongoing nuclear power plants, and are an important carrier network for subsequent intelligent business construction. They have played a strong supporting role in intelligent operation and industrial internet. Yuefeng Shen.

Will China build a 5G base station next year?

Technicians from China Mobile check a 5G base station in Tongling, Anhui province. [Photo by Guo Shining/For China Daily] China aims to build over 4.5 million 5G base stations next year and give more policy as well as financial support to foster industries that can define the next decade, the country's top industry regulator said on Friday.

What will China do with the 5G push?

Alongside the 5G push, China will also start trials for 10-gigabit optical networks and optimize computing power centers amid an artificial intelligence (AI) boom brought on by ChatGPT.

Can China build a nuclear power station?

As the world's biggest builder of nuclear power stations, Chinese state-owned companies are obvious candidates. The country currently operates 24 nuclear reactors with a further 25 under construction. A deal with the UK could work well for China, explains Thomas, because the country wants to export its nuclear technology to the West.



## Will China's nuclear power participate in the construction of 5G base stations?



### [Qinshan Nuclear Power Launches China's Largest Dedicated 5G ...](#)

Jan 8, 2025 · On 10 December 2024, Qinshan Nuclear Power announced the official launch of its dedicated 5G network at a conference. This marks a significant milestone as Qinshan Nuclear

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### [Research and Design of 5G Wireless Communication Network for Nuclear ...](#)

Feb 11, 2025 · This article also introduces the 5G wireless communication network architecture and design scheme of a certain nuclear power plant, providing reference for the construction ...

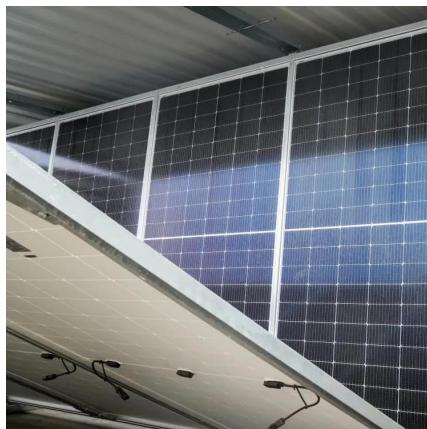


### [5G Private Network Enables Digital Transformation in Nuclear Power ...](#)

Nov 11, 2024 · With the rapid development of China's nuclear power industry, the integration of "5G + digital nuclear power" will become popular both domestically and globally.

### [Ambitious 5G base station plan for 2025](#)

Nov 23, 2025 · China aims to build over 4.5 million 5G base stations next year and give more policy as well as financial support to foster industries that can define the next decade, the ...



### [Qinshan Nuclear Power Launches China's Largest Dedicated 5G ...](#)

Jan 8, 2025 · This marks a significant milestone as Qinshan Nuclear Power becomes the first nuclear power base in China to achieve full 5G network coverage within the plant. ...



### [Private 5G Network Powers Nuclear Safety ...](#)

Nov 14, 2024 · China's Yangjiang Nuclear Power facility has implemented a private 5G network solution, developed in partnership with China Telecom ...



### **5G Private Network Enables Digital Transformation of Yangjiang Nuclear**

Nov 13, 2024 · Yangjiang Nuclear Power, China Telecom, and Huawei have jointly built a 5G converged private network that integrates data, voice, SMS, trunking, and narrowband (NB) ...



### 5G Private Network Enables Digital Tr.

Nov 11, 2024 · With the rapid development of China's nuclear power industry, the integration of "5G + digital nuclear power" will become popular ...



### China to construct over 4.5 million 5G base stations in 2025

Jan 2, 2025 · China plans to construct over 4.5 million 5G base stations in 2025 while introducing additional policy and financial incentives to support industries expected to shape the next ...



### AsialInfo Assisted in Launching the "Largest 5G Private

Dec 12, 2024 · Qinshan Nuclear Power Plant has thus become China's first nuclear power base to achieve the synchronous launch of a 5G private network across multiple plant areas.



### Private 5G Network Powers Nuclear Safety Innovation in China

Nov 14, 2024 · China's Yangjiang Nuclear Power facility has implemented a private 5G network solution, developed in partnership with China Telecom and Huawei, to enhance operational ...



### [AsialInfo Collaborates with Qinshan Nuclear ...](#)

Nov 27, 2024 · On March 20, 1985, Qinshan Nuclear Power Plant, the first nuclear power plant in mainland China to be independently designed, ...



### [AsialInfo Collaborates with Qinshan Nuclear Power Plant to ...](#)

Nov 27, 2024 · On March 20, 1985, Qinshan Nuclear Power Plant, the first nuclear power plant in mainland China to be independently designed, constructed, operated, and managed, officially ...

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