

SolarInnovate Energy Solutions

State Grid builds 5g base stations



Overview

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.

Does 5G work in power grids?

This shows the industry's recognition of their achievements in applying 5G in power grids as 5G smart grids enter the stage of large-scale commercial rollout. The inclusive 5G smart grid solution was jointly developed by the State Grid, China Unicom, Huawei, and TD Tech based on the extensive 5G networks built by China Unicom.

How many 5G smart grids will there be in 2024?

"We will continue to work with China Unicom and Huawei to expand the footprint of 5G smart grids in the electric power sector," added Wang, who estimates that there will be 300,000 5G connections and 150,000 RedCap devices in the sector by June 2024.

What are 5g-based electric power applications?

A number of 5G-based electric power applications, such as on-grid control for distributed PV power, distribution automation, precise load control, and power consumption data collection, have been launched in a very short period of time to build a solid foundation for new grids.

Where is the 5G virtual private network coming from?

The solution has now seen widespread commercial deployment across Shandong province, where China Unicom Shandong, State Grid's Shandong branch, and Huawei worked together to build the world's largest 5G virtual

private network.

Who are China's 5G operators?

Chinese main operators are China Mobile, China Telecom and China Unicom. In addition to its expected expansion in the 5G field, China noted that it is also set to begin trials for 10-gigabit optical networks and enhance computing power infrastructure, reflecting the growing demand for artificial intelligence (AI) technologies.

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