



BUHLE POWER

Maseru Communications Building 5G Base Station





Overview

How many 5G stations are there in China?

As of January 2025, China had 4.25 million 5G base stations, a figure expected to reach 4.5 million by the end of the year. More than 1 billion 5G connections are live, accounting for over 50% of all mobile connections in the country, the GSMA executive added. “We see the impact everywhere,” he said.

Is China a leader in 5G implementation?

He also pointed to China as a leader in terms of 5G implementation. As of January 2025, China had 4.25 million 5G base stations, a figure expected to reach 4.5 million by the end of the year. More than 1 billion 5G connections are live, accounting for over 50% of all mobile connections in the country, the GSMA executive added.

Is China launching a 5g-ad network?

China Unicom and Huawei have created a 5G-Advanced intelligent network serving more than 10 million people in Beijing, while China Telecom’s private 5G-Ad network at Tianjin Port has increased operational efficiency by 20%, he said. “The potential is clear. The next phase is about scale,” Badrinath said.

Should the telecom industry complete the 5G journey before 6G?

SHANGHAI—The global telecom industry must complete the 5G journey before turning fully to future technologies like 6G, said GSMA director general Vivek Badrinath during his keynote at Mobile World Congress Shanghai 2025, taking place this week in the Chinese city.



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[Shanghai accelerates dual-megabits network construction with 5G ...](#)

Aug 13, 2024 · Shanghai is set to revolutionize its telecommunications landscape by embarking on an ambitious project to establish a dual-megabits network, with plans to construct a total of ...

[Shanghai to set up nearly 10,000 new 5G-A base stations this ...](#)

Feb 7, 2025 · Shanghai will establish up to 10,000 new 5G-A base stations this year, routing more than 70 percent of the city's internet traffic through 5G network.



[GSMA chief at MWC Shanghai: 'Complete the 5G journey'](#)

Jun 18, 2025 · GSMA expects Chinese telcos are expected to deploy 4.5 million 5G base stations by the end of the year In sum - what to know: Finish 5G first - GSMA's Vivek Badrinath urges ...

[China has more than 3.8 million 5G base stations](#)

Jun 28, 2024 · China's 5G base stations account for 60 percent of the global total, Zhao added. In China, more than half of all mobile phone users are 5G users, Zhao told MWC Shanghai. ...



[Maseru 5G base station power consumption ...](#)

Dec 3, 2025 · The energy consumption of the fifth generation (5G) of mobile networks is one of the major concerns of the telecom industry. However, there is not currently an accurate and ...



[Shanghai Leads China for Outdoor 5G Base Stations, Vice ...](#)

Dec 13, 2024 · It also marks the start of 5G-A commercialization, with the industry starting to build and deploy networks and exploring new uses, she added. Under the 14th five-year plan set ...



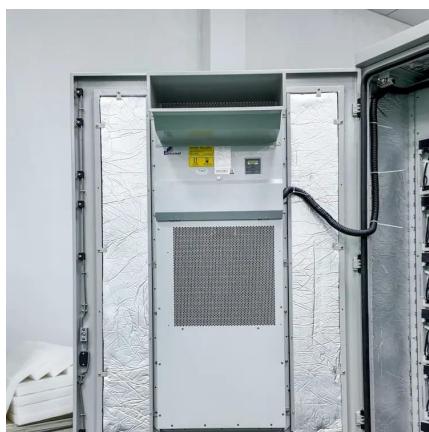
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[Shanghai Has Built Over 72,000 5G Macro Base Stations](#)

Jun 30, 2023 · Shanghai has accumulated over 72,000 outdoor 5G base stations and 310,000 indoor small stations, promoted about 900 "dual-gigabit" innovative applications, and created ...



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