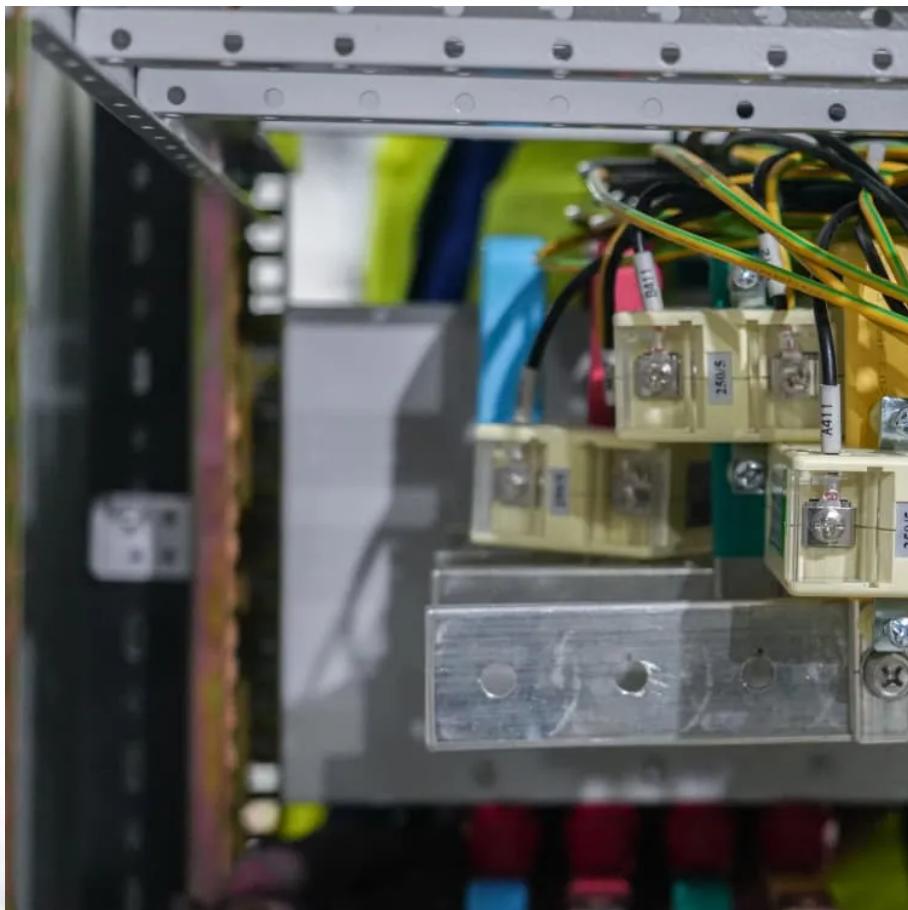




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**5g communication can be
deployed through micro base
stations**





Overview

The increasing energy consumption is a legacy of the fast improvement of ICT (Information and Communication Technology). It is also contrary to the current energy conservation and emission reduction con.

What is 5G & how does it affect a communication system?

The construction of the 5G network in the communication system can potentially change future life and is one of the most cutting-edge engineering fields today. The 5G base station is the core equipment of the 5G network, and the performance of the base station directly affects the deployment of the 5G network.

How to establish a 5G mobile communication technological foundation?

To established the 5G mobile communication technological foundation, various research works or projects entailing main mobile infrastructure manufacturers, academia and international mobile network operators have been introduced recently.

How many 5G base stations are there in the world?

In addition, a total of 819,000 5G base stations have been built by these three telecom giants, accounting for 70% of the world's total. As China has played a leading role in 5G technology, its 5G development has extraordinary significance for other countries.

Is MLCC suitable for use in 5G base stations?

MLCC is especially suitable to be applied to 5G base stations due to the following requirements: small size, high accuracy capacitance, high reliability (more than 5 years), high rated voltage (≥ 250 V), and high temperature endurance (100–125°C). These requirements align with the upcoming trend of MLCC.



5g communication can be deployed through micro base stations



[Optimal Slicing of mmWave Micro Base Stations for 5G ...](#)

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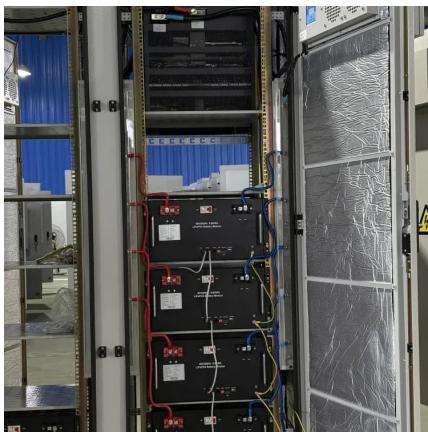


[Types of 5G NR Base Stations: A Comprehensive Overview](#)

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[Mobile Communication Network Base Station Deployment Under 5G](#)

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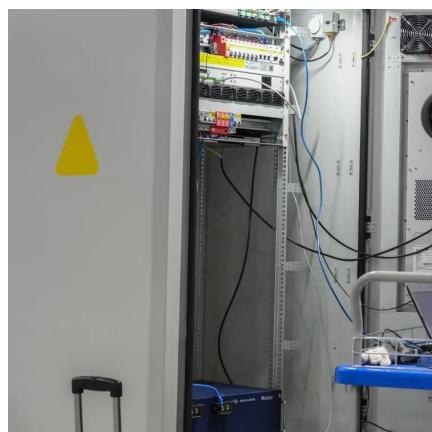
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Nov 1, 2022 · Green communication also attracted widespread attention (Ghazzi and Kadri, 2016). Besides the macro base station, another small-size-simple layout base station named ...



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