



# South Sudan Mobile 5G Base Station Implementation Electricity Price

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How many South Sudanese have access to electricity?

According to the study, only 5.4% of the South Sudanese population have access to electricity, slightly higher than the access rate of 4.2% reported in 2017.

Does South Sudan have a real energy infrastructure?

The situation in South Sudan, the world's newest country, is unique. It does not have any real existing energy infrastructure.

How much does a 5G base station cost?

Setting up a 5G base station is expensive, with costs ranging from \$100,000 to \$200,000 per site. This price includes hardware, installation, site rental, and maintenance. Urban areas often have higher costs due to land prices and infrastructure challenges.

What is the grid-based electricity situation in South Sudan?

At present, the grid-based electricity situation in South Sudan is characterized by routine power outages and lack of efficiency in the distribution system. In fact, in 2020, 580 GWh or nearly 100 % of electricity was produced from oil and gas, and just 1 GWh from renewable sources .

With a total budget of \$53 million and a five-year implementation period, the project became active on February 28, 2024. The project is expected to benefit 50,000 households and ...

In 2020, the World Bank, in response to South Sudan's transitional government's request, set up the Pathways to Electricity Access Expansion in South Sudan project. As part of the initiative, ...

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