

ContainerPower Energy Solutions

Sudan Communications 30 000 5G base stations



Overview

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What is Telecommunications in Sudan?

Telecommunications in Sudan includes fixed and mobile telephones, the Internet, radio, and television. Approximately 12 million out of 45 million people in Sudan use the Internet, mainly on smartphones and mobile computers. Sudan had telecommunication services as early as 1897.

How much money does Sudan need for a telecommunications network?

Submissions are through the Ministry of Foreign Affairs (MoFA) and reviewed by the Sudan National Telecommunications Corporation (NTC). The ETC requires US\$5.7 million to address scaled-up communication needs in Sudan in 2024.

How many 5G base stations are there in China?

In data collected between July 2022 and June 2024, China was reported to have had around 3.5 million 5G base stations installed across the country, with Chinese mobile operators investing heavily in 5G infrastructure. By comparison, the European Union had around 460,000 thousand base stations, while the United States had approximately 175,000.

Does Sudan have a radio station?

The major radio station of the Sudan National Broadcasting Corporation is in Omdurman, with a regional station in Juba for the south. Some foreign shortwave radio broadcasts are available, and a private FM radio station continues to operate. The government restricts UN radio.

What happened to Sudanese telecom service providers?

Sudanese telecoms service providers face sporadic cutoffs. Since 02 March, partial restoration of services was achieved by two Mobile Network

Operators—Zain and Sudani—while MTN remains down and Sudatel operates fully only in Port Sudan. Efforts are ongoing to restore some of the services.

What is a 5G base station?

They help fill coverage gaps, improve network reliability, and handle high data traffic. In cities, more than 60% of 5G base stations are small cells, placed on rooftops, lampposts, and building facades. These mini base stations are crucial for delivering consistent 5G speeds in crowded areas like stadiums, shopping malls, and business districts.

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