

A 5G base station is under construction in Cape Town





Overview

Should South Africa deploy a 5G non-stand-alone network?

intervention may be required. It is apparent that most South African network operators have deployed 5G Non-Stand-Alone (NSA) networks, which will allow them to see their return on investment (ROI). However, further development is dependent on business case.

Does Vodacom have a 5G network in South Africa?

In March 2022, Vodacom South Africa acquired a total of 110 MHz high-demand spectrum as part of the Independent Communications Authority of South Africa's (ICASA) auction and assignment process. Using the new spectrum, Vodacom in the Western Cape region quadrupled its 5G network reach over the last year.

How can 5G be used in South Africa?

for latency-sensitive services. Alternatively, they can use satellite's longer reach to complement the buildout of 5G in remote areas. There is a wide range of use cases for 5G which can be adopted in South Africa, including improved remote working, enhanced distance learning, telemedicine, surveillance and security, agriculture, mining, manufa.

What is the current investment status in 5G in South Africa?

and give reasons for your answer. Most respondents highlighted that the current investment status in 5G infrastructure and services in South Africa is quite visible as mobile operators deploy 5G networks, but noted that the subscriber penetration is still below % of the population as at 2020. Most respondents believe it has been very



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[Vodacom Western Cape invests R570 million to enhance ...](#)

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[MTN has built 145 new base stations this year - MyBroadband](#)

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[South Africa: MTN invests \\$11mIn in Western Cape network ...](#)

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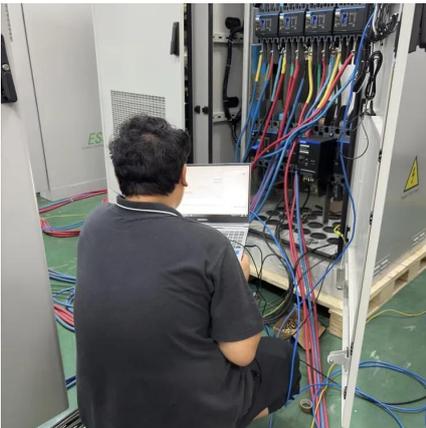
[MTN invests R200m in the Western Cape](#)

Sep 1, 2025 · MTN will build new base stations, as well as operational enhancements, site modernisations and capacity upgrades on more than 600 existing sites. These improvements ...



[The State of 5G in South Africa](#)

Jul 13, 2021 · The analysis in relation to the state of 5G infrastructure readiness reveals that there are constraints in terms of current 4G infrastructure deployments, restricting the ability to ...



[MTN allocates R200 million in Western Cape upgrades](#)

Aug 28, 2025 · This is part of a R4,5-billion national network investment. In the Western Cape, MTN will build new base stations, modernise sites and upgrade more than 600 existing sites.



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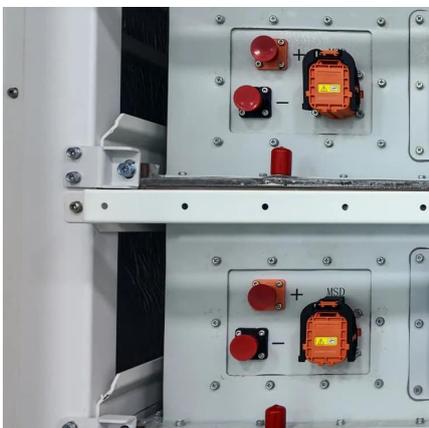
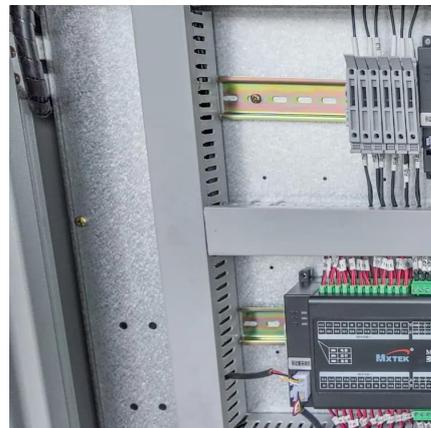


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