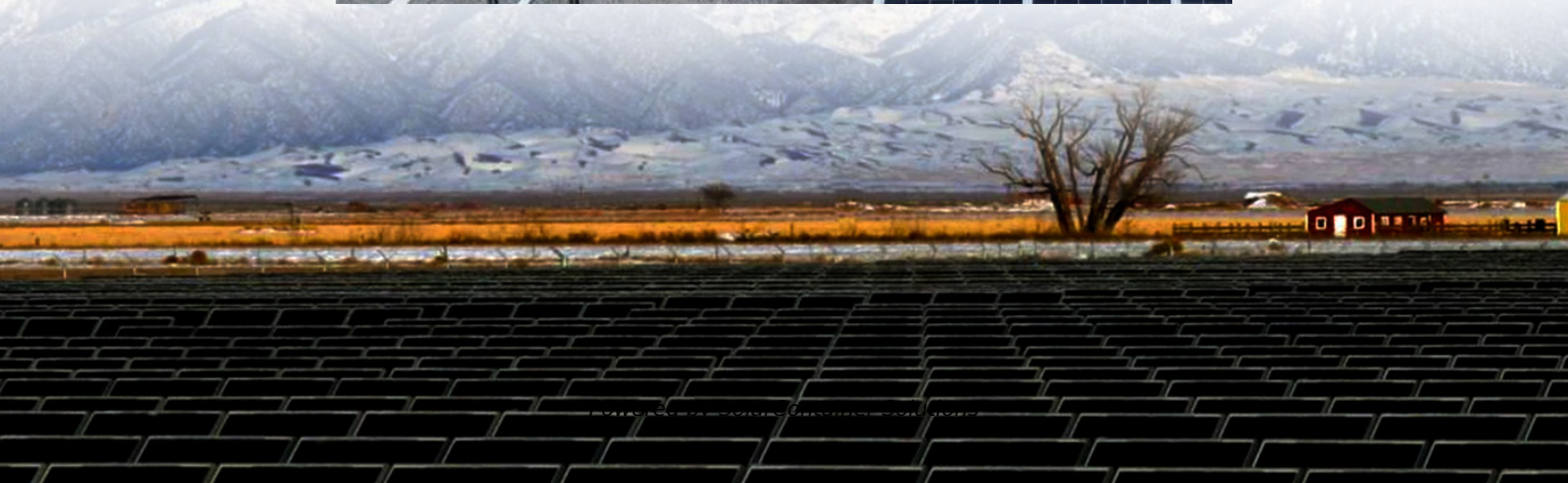


Which has more 5G base stations or communications in Indonesia





Overview

How many 5G base stations are there in Indonesia?

Most 5G deployments are still confined to urban centers, leaving large parts of Indonesia's vast geography underserved. For example, Telkomsel has launched only 2,200 5G base stations in 56 cities, out of a total footprint of more than 240,000 base stations. Despite the focus on 5G, Indonesia remains a 4G-first market.

What is the 5G penetration rate in Indonesia?

Since its launch in 2021, the 5G penetration rate in Indonesia has only reached 2 percent. According to the Kearney report, this low penetration is due to limited infrastructure, such as the minimal number of transmitter stations, inadequate fiber optic networks, and limited frequency availability.

Where is Telkomsel launching 4G & 5G mobile services in Indonesia?

Indonesian telco Telkomsel has deployed 49 base stations to support 4G and 5G mobile services in the country's new capital city, Nusantara (IKN). Nusantara is set to open on August 17, located on the island of Borneo, 800 miles away from the current capital Jakarta on the island of Java.

Does Indonesia have a 5G network?

In Indonesia, 5G rollout is progressing, with commercial services launched by Telkomsel, Indosat Ooredoo and XL Axiata since 2021, utilising existing spectrum holdings in the 1800 MHz, 2.1 GHz and 2.3 GHz bands. As of the end of 2024, 5G networks covered 26.3% of Indonesia's population, or around 15.7 million 5G connections.

Is Indonesia a 4g-first country?

Despite the focus on 5G, Indonesia remains a 4G-first market. As of 2024, 4G accounts for 92% of all mobile connections, according to GSMA Intelligence, and is expected to remain the dominant mobile technology until at least 2027.



The country has made commendable progress in retiring legacy networks to improve spectral efficiency:.

Which Indonesian telco will provide 5G services?

Telkomsel will become the first Indonesian telco to provide 5G services from the opening of the new capital. The carrier said this week that it has optimized its network in two IKN buffer cities, Balikpapan and Samarinda.



Which has more 5G base stations or communications in Indonesia



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

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. ...

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What is a base station and how are 4G/5G base stations different?

The architecture of the 5G network must enable sophisticated applications, which means the base stations design required must also be specialist. A base station is referred to ...

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Ericsson Mobility Report June 2023: Indonesia market overview

On the other hand, the penetration of 5G in Indonesia has been expanding. Data from the Ministry of Communication and Information Technology (Kemenkominfo) reveals that ...

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Kearney Report: 5G Adoption In Indonesia Is Low, But Can Still ...

Since its launch in 2021, the 5G penetration rate in Indonesia has only reached 2 percent.



According to the Kearney report, this low penetration is due to limited infrastructure, such as ...

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Bridging 17,000 Islands: Inside Indonesia's Internet Revolution

In conclusion, Indonesia's internet journey is far from over - in fact, it's poised to leap into an even more connected future. We can expect faster networks (5G and beyond), ...

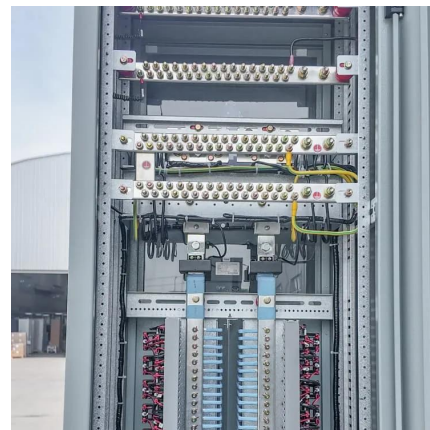
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Telkomsel rolls out 49 new base stations in Nusantara

Telkomsel has rolled out 49 new base stations to support 5G and 4G services in the country's new capital of Nusantara (IKN), which would make it the only 5G service provider ...

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Telkomsel and Ericsson launch seamless 'Hyper 5G' in Indonesia

According to the Ericsson ConsumerLab study, 50% of 5G users in Indonesia are willing to pay a premium for services with guaranteed performance, while 32% actively seek ...

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[Telkomsel deploys base stations to support 4G and 5G mobile](#)

Indonesian telco Telkomsel has deployed 49 base stations to support 4G and 5G mobile services in the country's new capital city, Nusantara which is set to open on August 17, ...

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Telkomsel readies 4G and 5G network for Indonesia's new capital

Indonesian telco Telkomsel has deployed 49 base stations to support 4G and 5G mobile services in the country's new capital city, Nusantara (IKN). Nusantara is set to open on ...

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[What is 5G base station architecture?](#)

The higher the frequency, the more data it transmits. 5G core network architecture operates on different frequency bands, but it's the higher ...

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[Ericsson Mobility Report: Indonesia Overview](#)

Catch a glimpse of the latest Ericsson Mobility Report and know how 5G likely to drive changes in smartphone user behaviour in Indonesia.

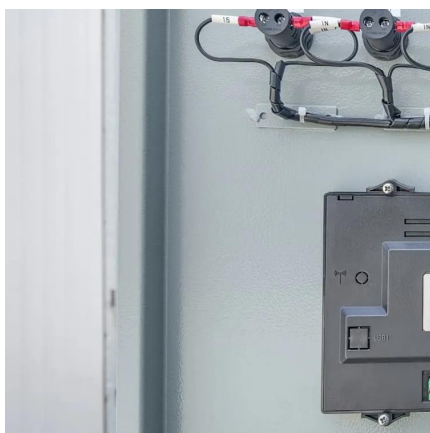
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Unlocking Indonesia's 5G Future

Indonesia, despite having a vast user base such as that of Telkomsel, the country's largest digital communications provider, trails behind ...

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EXPANSION OF 5G NETWORK IN THE COUNTRY

Since its launch in October 2022, 5G services have been rolled out in all States/ UTs across the country and presently it is available in 99.6% of the districts in the country. As ...

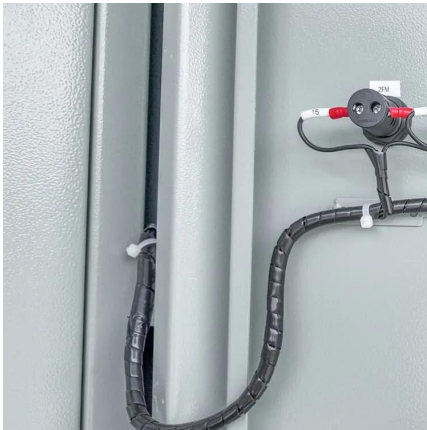
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Telkomsel readies 4G and 5G network for Indonesia's ...

Indonesian telco Telkomsel has deployed 49 base stations to support 4G and 5G mobile services in the country's new capital city, ...

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[Indonesia in focus: charting a path to network excellence](#)

Despite the focus on 5G, Indonesia remains a 4G-first market. As of 2024, 4G accounts for 92% of all mobile connections, according to GSMA Intelligence, and is expected ...

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[Indonesia 5G Infrastructure Market Size and Forecasts 2030](#)

Major telecom operators and network equipment providers in Indonesia are investing heavily in upgrading their infrastructure to 5G technology, including base stations, small cells, and edge ...

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[Telkom Indonesia: number of 5G BTS 2024, Statista](#)

At the end of financial year 2024, the total number of 5G base transceiver stations (BTS) of PT Telkom Indonesia Group amounted to *** units.

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[China has more than 3.8 mln 5G base stations-Xinhua](#)

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. ...

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[Telkomsel expands 4G footprint in Indonesia](#)

Telkomsel revealed that it has 189,100 radio base stations till the end of December. 73 percent of its radio base stations are dedicated for 3G / 4G base transceiver stations providing ...

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[China's 5G dominance: 3.19 million base stations ...](#)

Base stations offering high-speed fifth-generation (5G) mobile networks have now exceeded 3.19 million, the Ministry of Industry and ...

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[5G Network Equipment Manufacturers: Modem, Base Station, ...](#)

5G RAN The 5G Radio Access Network (RAN) is the interface between user devices and the 5G core network. It comprises base stations and small cells that manage radio communications, ...

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[Accelerating 5G in Indonesia: A spectrum roadmap for success](#)

In Southeast Asia, 5G mid-bands will boost annual GDP by \$35 billion by 2030, heavily driven by the large Indonesian market, which will account for 41% of this increment. To secure these ...

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[Bridging 17,000 Islands: Inside Indonesia's Internet ...](#)

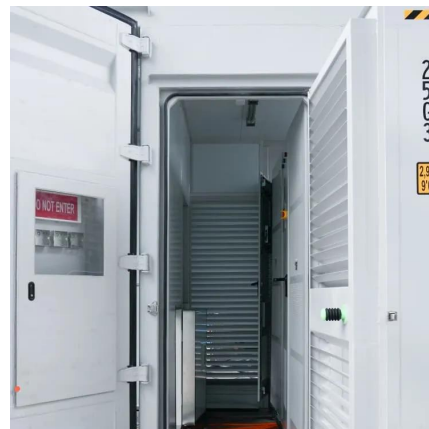
In conclusion, Indonesia's internet journey is far from over - in fact, it's poised to leap into an even more connected future. We can expect faster ...

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Telkomsel expands 5G coverage in Greater Bandung with 72 active base

Telkomsel has announced the expansion of its 5G network across the Greater Bandung area of West Java, now operating with 72 active 5G base stations. The deployment ...

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5G Frequency Spectrum in Indonesia

The Ministry of Communications and Informatics of Indonesia (BRTI) announced that they will start the auction for 5G spectrum in 2022. They are planning to use the 2.3 GHz ...

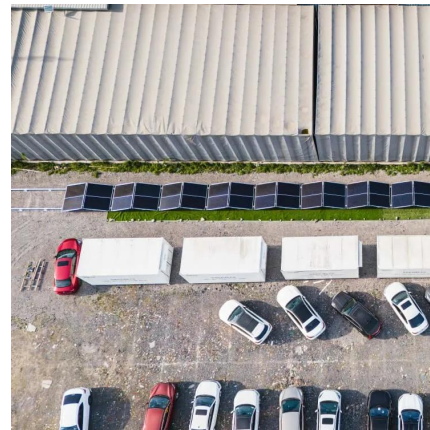
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Unlocking Indonesia's 5G Future

Infrastructure challenges, including a limited number of base transceiver stations covering just 2.5% of the country's area, coupled with high implementation costs, have slowed ...

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Unlocking Indonesia's 5G Future

Infrastructure challenges, including a limited number of base transceiver stations covering just 2.5% of the country's area, coupled with high ...

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