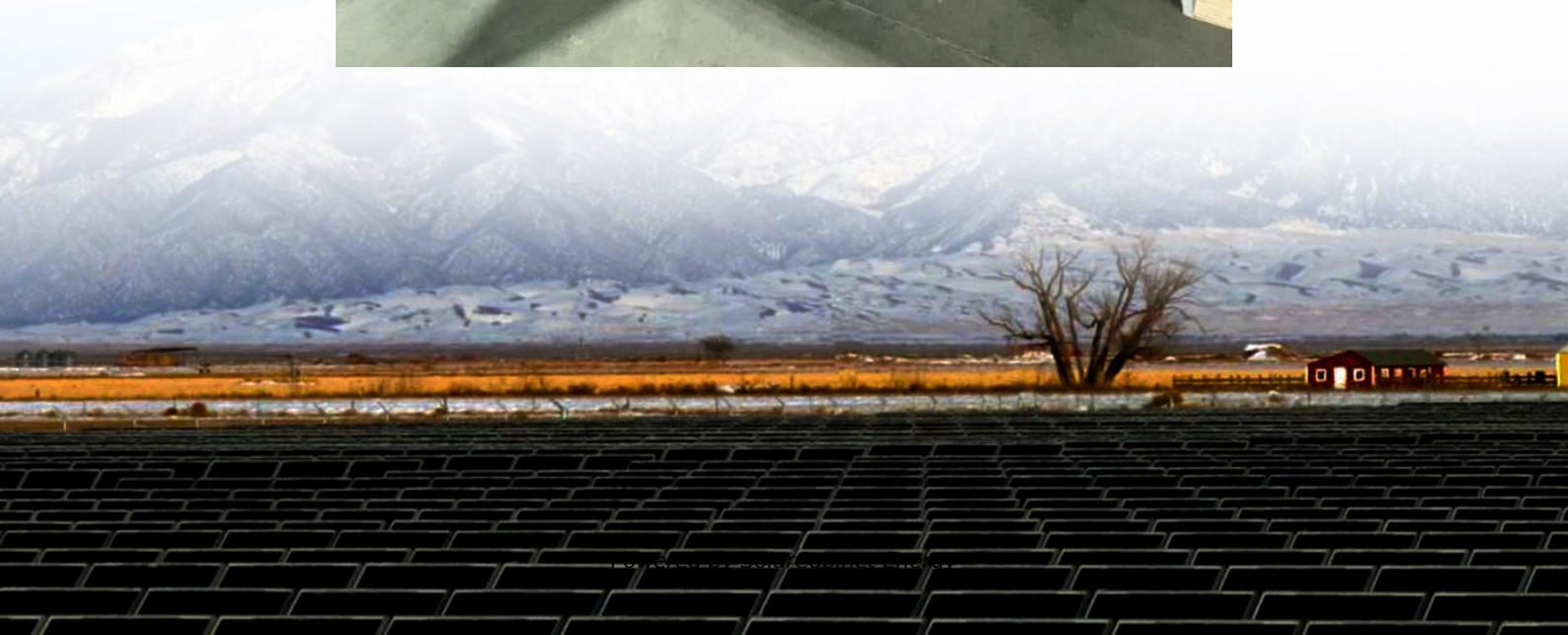


Are German 5G base stations shared by telecom operators





Overview

Does Germany have 5G?

The Bundesnetzagentur has updated its mobile network coverage map to provide information on 5G in Germany for the first time. The Bundesnetzagentur's data show that by the end of October 2021, over 53% of the country was already covered with the latest mobile communications standard, 5G, from at least one provider.

Who is a 5G provider in Germany?

Germany: Deutsche Telekom, Vodafone Germany, and Telefónica (O2) are the key players. Deutsche Telekom and Vodafone have established significant 5G coverage, focusing on the 3.6 GHz spectrum, although the 3.5 GHz range is less commonly deployed due to regulatory constraints. O2, while covering large urban areas, is still expanding in rural regions.

What percentage of the country has 5G coverage?

5G coverage by at least one network operator has increased in recent months to around 79% of the area of the country (as at October 2022). When the first data were collected in October 2021, coverage was at around 53%. Current data show that the 5G coverage achieved by individual mobile operators ranges from about 37% to 55% of the country.

What is the role of Tower Companies in 5G?

The rollout of 5G relies heavily on partnerships with tower companies, which are essential in constructing and maintaining the physical infrastructure needed to support these networks. In Germany, Belgium, and The Netherlands, the role of tower companies is paramount.

Is 5G available in Belgium?

Belgium: The Belgian government has been slower in spectrum allocation, especially in the mid-band range (3.4-3.8 GHz) essential for 5G. Proximus,



Orange Belgium, and Telenet are actively rolling out networks, but coverage remains limited, with a particular focus on urban areas and strategic industrial zones.

Does 5G have a service provider obligation?

The award rules for nationwide 5G spectrum do not contain a so-called service provider obligation. That means that 5G mobile network operators are not obliged to sign access agreements with service providers unless ordered to do so by the Federal Network Agency. 12.



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[55,000 5G base stations installed in Germany: 85 percent of ...](#)

German telco Deutsche Telekom's 5G network already reached 55,000 base stations across Germany, the operator said in a release. According to the carrier, its 5G network infrastructure ...

[Who's Leading the 5G Charge? A Look at the Top 5 Global Players](#)

In Asia, China leads the way, having built the largest 5G network globally, with over 2 million 5G base stations, representing about 70% of the world's total. China's government has made ...



Bundesnetzagentur updates network coverage map with 5G

Year of issue 2022 Date of issue 2022.11.23 The Bundesnetzagentur has updated its mobile network coverage map for Germany. Rollout of the high-performance 5G networks ...

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When the first data were collected ...



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