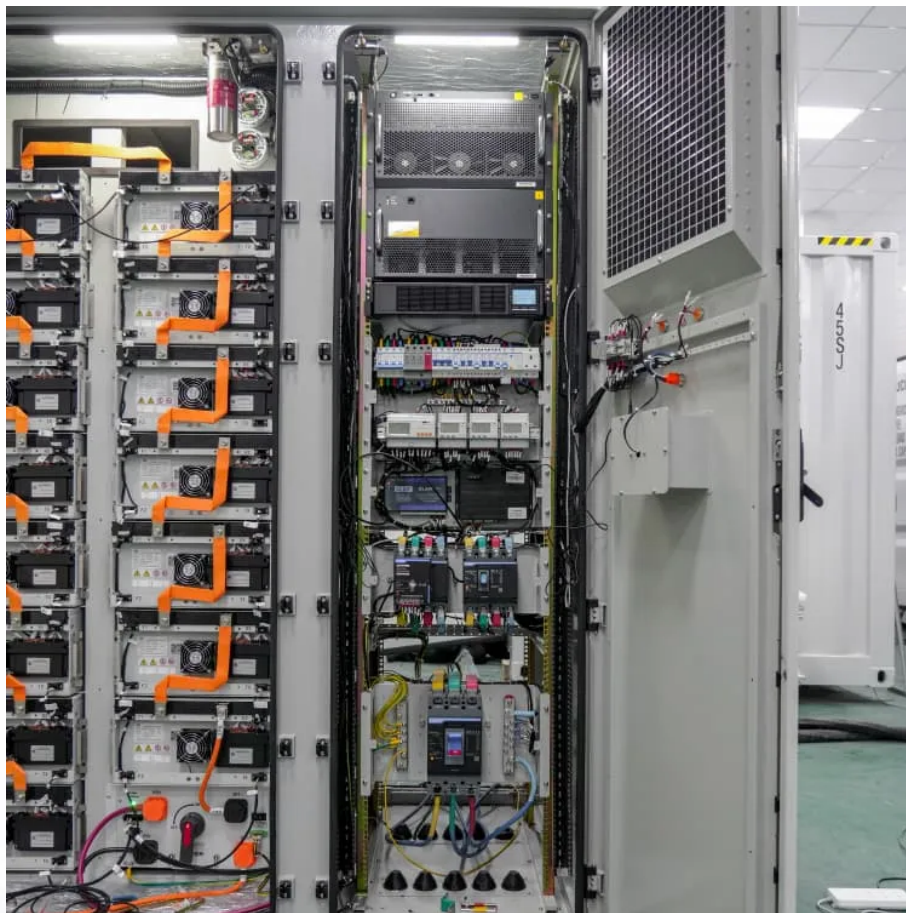


Austria is bidding for 5G communication base stations





Overview

Will Austria start a 5G network in 2022?

Austria already looks set to advance with standalone (SA) 5G networks, with Drei Austria recently announcing a trial in the capital Vienna and plans to launch a commercial 5G SA network in spring 2022. Notably, operators have complained that the high cost of mobile mast rental has slowed 5G rollout.

What is 5G and how does it work in Austria?

As part of a game-changing advancement, all major Austrian telecom companies have launched the next generation of telecommunication networks – 5G. The new telecommunications standard “5G” promises hyper-fast connections (up to 20,000 Mbit/s), less lag, or “latency,” and the ability to connect many devices to the internet without bogging down.

What are 5G frequency auctions?

There have been two significant 5G frequency auctions. To encourage 5G deployment in rural areas, discounts were offered to leading network operators A1 Telekom, Hutchison Drei and Magenta Telekom, as well as smaller, regional companies. 5G spectrum was auctioned at significantly cheaper prices than LTE (4G) frequencies.

Which country has the fastest 5G download speed in Austria?

For median 5G upload speeds, Magenta Telekom placed first at 24.43 Mbps. While there was no statistical winner among Austrian capitals, Innsbruck had a median 5G download speed at 169.43 Mbps, which was demonstrably faster than Vienna’s median download speed of 144.93 Mbps.

Is 5G already used in industry?

It is difficult to determine to what degree 5G is already used in industry due to a lack of government publications. In 2015, a semi-governmental institution, “Industry 4.0 Austria”, was set up, while non-governmental reports cover



industrial 5G uses such as intelligent factories and the Internet of Things.

Which country has the fastest 5G upload speed in 2021?

Switzerland was also fastest for median upload speed over 5G during Q2 2021 at 36.37 Mbps, followed by Germany (26.22 Mbps), Austria (21.97 Mbps), Italy (16.43 Mbps) and France (15.95 Mbps). We often see 5G speeds decline after the initial launch period as more users adopt the technology, which adds congestion to cell sites.



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Especially with the development and promotion of national 5G technology, the construction of 5G base stations is an important part of the future communication infrastructure. Therefore, base ...

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1 Introduction 5G communication base stations have high requirements on the reliability of power supply of the distribution network. During planning and construction, 5G base stations are ...



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