

Latest situation of 5G base station construction in Western Europe

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Does Europe need a 5G base station?

Europe's score on the network pillar highlights the need to accelerate the deployment of 5G base stations (with 11 of the 15 European countries included in the 5GI scoring lower than 30 on this indicator). Europe fares better on coverage: 24 European countries reported over 90% 5G population coverage by the end of 2024.

Is 5G sluggish in Europe?

The deployment and adoption of 5G SA in Europe remain sluggish, increasing slowly from a very low base and further widening the region's gap with North America and Asia. Spain stands out as a clear leader in 5G SA deployment, reaching an 8% Speedtest® sample share compared with the EU average of just 1.3% as of Q2 2025.

Should Europe invest in advanced 5G connectivity?

This is a critical moment for Europe. Recent reports by Enrico Letta and Mario Draghi have given insight into the growing gap between Europe and other regions, but also direction for how to address them, with investments in advanced 5G connectivity being a vital component.

What is the European 5G Observatory?

The European 5G Observatory tracks progress in 5G infrastructure deployment across the EU and other regions worldwide according to base stations deployment, edge nodes and infrastructure sharing agreements. Source: IDATE estimates and regulators' data. Reporting period: at December 2024. Source: IDATE estimates and regulators' data.

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videos and photos.

Europe's 5G revolution is well underway. From artificial intelligence (AI) to the internet of things (IoT), the high bandwidth and low latency offered by 5G is powering a range ...

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The Observatory tracks a wide range of data on 5G deployments since 2018, including use of 5G standalone for verticals and radio spectrum assignments. It covers the 27 EU Member States ...

According to the 5G Observatory Biannual Report of June 2024, the 3.6 GHz band has been the most widely assigned among EU countries. All EU members, except the ...

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In Europe, operators are beginning to deploy 5G SA, providing opportunities for new applications like network slicing - provided customers want it. As of September 2024, 18 ...

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Europe's 5G infrastructure remains underdeveloped, leaving users with slower speeds and limited access. Lawmakers are now weighing mandatory implementation, making ...

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