

European communication 5G base stations are rarely used

Why does Europe fares poorly in upgrading 4G base stations to 5G?

Europe fares equally poorly in upgrading 4G base stations to 5G as well, with just one percent having been enhanced this way, compared with ninety-eight per cent in South Korea. This is also due to legacy issues from the delayed roll-out of 4G in many EU Member States.

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.

How many 5G base stations does the EU-27 have?

The EU-27 has deployed around ten 5G base stations per million capita, whereas South Korea has rolled out around 1,500 base stations per million (by the end of 2019). The EU-27 has upgraded 1% of 4G base stations to 5G, whereas South Korea upgraded 98% (by the end of 2019).

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.

The European 5G Observatory is a monitoring facility designed to track progress in 5G technology and market developments across the EU and other regions worldwide.

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A cell radius of 20 metres would imply about 800 base stations per square kilometre (or small area wireless access points (SAWAPs), the term used in the European Electronic ...

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The EU 5G rollout lags behind North America and East Asia, with only 30% of mobile connections expected to be 5G-based by 2024, with delays originating from EU member states" ...

Discover how spectrum policy and strategy shape 5G coverage across Europe, with Nordic and Southern nations leading and Spain ahead in 5G SA.

As of 2024, Germany had the most 5G base stations among European Union (EU) member states, with over ***** base stations installed.

Particularly since the launch of 5G, there was greater concern about the construction of base stations and the location, "not realising that they need the base station to make the call to ...

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