
The first 5g base station in Southern Europe

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.

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).

Is 5G available in Europe?

By contrast, 5G Availability in Central and Western European laggards such as Belgium, the United Kingdom, and Hungary remains less than half that of the leaders. On average, EU mobile subscribers spent 44.5% of their time connected to 5G networks in Q2 2025, up from 32.8% a year earlier.

That introduced 5G base stations with active MIMO antennae, fibre-to-the-antenna to reduce latency in the base station, microwave line-of-site backhaul in mmWave bands with ...

Premium Statistic Number of 5G base stations per 100,000 people in selected countries worldwide 2024 Premium Statistic Number of 5G base stations in European Union (EU) ...

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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While having favourable weather conditions was key, this type of base station will offer new coverage scenarios in emergencies or ...

South Korea was one of the first countries to launch commercial 5G services in 2019, and South Korean companies and ...

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

Explore the leading manufacturers of 5G gNodeB base stations, including Nokia, Ericsson, Huawei, Samsung, and ZTE, and their contributions to ...

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