BLINK SOLAR

European communication 5g base stations are rarely used

Overview

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.

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.

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.

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Europe 5G Base Station Market Size & Outlook, 2030

The 5g base station market in Europe is expected to reach a projected revenue of US$ 44,815.4 million by 2030. A compound annual growth rate of 33.8% is expected of Europe 5g base ...

Latest analysis of 5G roll-out in Europe reveals slow progress

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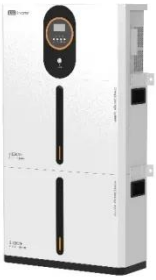

State of 5G in EU: 66% population coverage achieved in EU27

Only the total number of 5G base stations is known for some EU countries. This means the true total number of base stations in the EU in 700 MHz, 3.6 GHz or DSS bands ...

GSMA says Europe is falling behind on 5G

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 ...

EU 5G Deployment Challenges

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 ...

European 5G Observatory

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.

5G indicators: infrastructure deployment , Shaping Europe's ...

The European 5G Observatory tracks progress in 5G infrastructure deployment across the EU and other regions worldwide according to base stations deployment, edge ...

5G Coverage in Europe: Progress Toward Goals Amid ...

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

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