

Where in Northern Europe are 5G base stations installed





Overview

What is the European 5G Observatory?

The European 5G Observatory covers the 27 EU Member States, and 20 additional non-EU countries, offering a comprehensive view of 5G developments across Europe and beyond. Why use the European 5G Observatory?

Fifth generation mobile communications (5G) is a key technology for digital communication and thus socio-economic development.

Which EU countries have 5G coverage?

According to data collected by Omdia/Point Topic for the European Commission's DESI, four EU countries - Denmark, the Netherlands, Malta, and Cyprus - achieved 100 per cent 5G coverage of households. The EU average was 89.3 per cent in 2023. Nearly half of the EU countries reported that over 96 per cent of households have 5G coverage.

Which EU countries have the best 5G coverage in 2023?

Regarding mid-band 5G coverage, specifically the 3.4–3.8 GHz range, the EU average was 50.6 per cent in 2023. Finland, Italy, and Denmark led with over 85 per cent coverage. More than half of the EU countries reported less than 50 per cent coverage of households in this mid-band, including Germany.

Which country has the best 5G network in Europe?

Within Europe, the Netherlands comes first, followed by Cyprus and Bulgaria. During its Q4 2021 results announcement KPN announced that it has modernized over 4,000 sites to date, and that its 5G network already covers more than 80% of the population using 700 MHz spectrum.

How many people use 5G in Europe?

The State of Digital Communications report published by the European



Telecommunications Network Operators' Association (ETNO) states that the uptake of 5G in Europe accounts for only 2.8% of the total mobile connections, compared to 13.4% in the United States and 29.3% in South Korea: despite being available to 62% of the population.

Which countries are using 5G spectrum?

For instance, Bosch put its first campus network into operation at its Industry 4.0 lead plant in 2020, and it is testing 5G applications at 10 plants worldwide. Other European countries have followed suit in assigning 5G spectrum for private networks including: France, the U.K., Sweden, Finland, and Croatia.



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[5G in Europe: Reflecting on the Progress So Far and ...](#)

This report reviews 5G performance in European markets, progress on spectrum assignments, private network deployments, and ...

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5G in Europe

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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5G Global Launches & Statistics

5G Global Launches & Statistics 5G will account for as many as 1.2 billion connections by 2025. The Global Rollout of 5G By 2025, 5G networks are likely to cover one-third of the world's ...

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[5G in Europe - status and next steps](#)

5G base stations as a percentage of existing 4G base stations 2 - For some EU countries, only the total number of 5G base stations is known. This



means the true total number of base ...

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[5G base station rollout in the U.S. and China 2021](#)

The United States (U.S.) and China are both rolling out ** infrastructure at a rapid rate, growing approximately *** times in size from ...

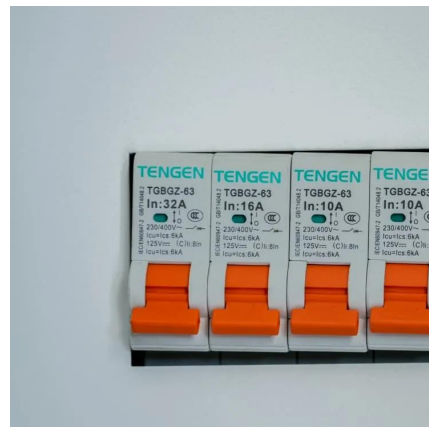
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Smart LED street lights could facilitate deployment of 5G base stations

Smart LED street lamps already have multiple functions, such as monitoring traffic and public safety and displaying public information, and a new role in the development of ...

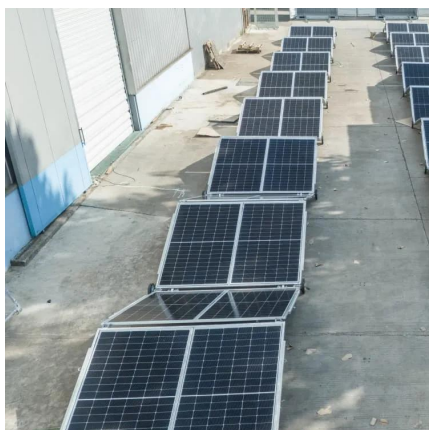
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ANACOM

NOS was the operator with the most installed 5G base stations (4786), followed by Vodafone (4611), DIGI (2130) and MEO (1562). DIGI has now joined the list of operators with ...

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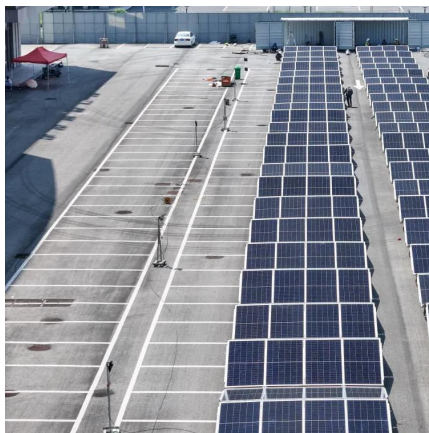




[State of 5G in EU: 66% population coverage achieved in EU27](#)

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 may be higher, the ...

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

In Q2 2025, Nordic and Southern European countries maintained a substantial lead in 5G Availability, fueled by recent 700 MHz band deployments that drove double-digit ...

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[Global 5G Progress-Europe, USA, China, Japan, South Korea](#)

Latest 5G Progress In The World According to the data released by GSA, as of December 2020, 140 operators in 59 countries and regions around the world have opened 5G base stations ...

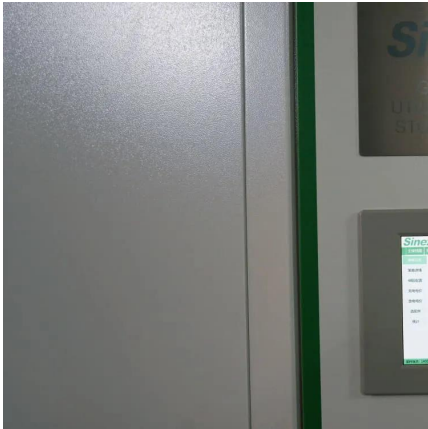
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[5G in Europe: Which countries enjoy the strongest ...](#)

As to the upload speed, North Macedonia leads in upload speeds across Europe with a median of 25.5 Mbps, followed by Czechia at 20.9 Mbps ...

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[Assessment of 5G Deployment Status in Europe](#)

Investing in 5G infrastructure in Europe needs to be realised to provide high service levels to citizens, other infrastructures (e.g. roads, railways), enterprises, industrial sites, cities, as well ...

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Charts & Statistics

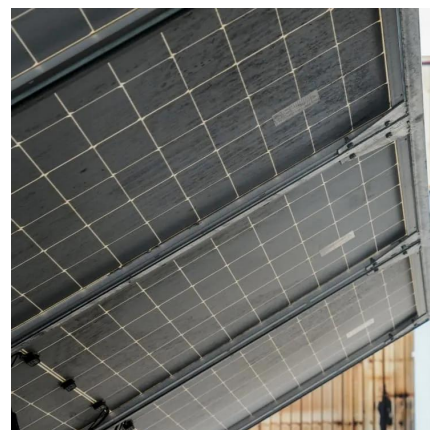
5G Americas provides global and North American statistics relating to 5G and LTE networks. The information provided here is based on data provided from ...

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[5G in Europe: Which countries enjoy the strongest mobile](#)

As to the upload speed, North Macedonia leads in upload speeds across Europe with a median of 25.5 Mbps, followed by Czechia at 20.9 Mbps and Norway at 20.7 Mbps.

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[5G in Europe - status and next steps](#)

Excludes Italy, Estonia, and Sweden as there was no base station data available. Additionally, some countries use bands that are not included in this chart and do not operate using a DSS ...

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[Europe: 5G base stations by country 2024, Statista](#)

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

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[Quick guide: components for 5G base stations and antennas](#)

5G technology manufacturers face a challenge. With the demand for 5G coverage accelerating, it's a race to build and deploy base-station components and antenna mast ...

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5G European Cities

The following Table summarizes the key cities in Europe involved in 5G private trials and pilots (/pre-commercial and commercial deployment), 5G National Programmes (incl. platforms), 5G ...

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Base stations and mobile networks

Base station Mobile network A mobile network is made up of many base stations that each provide coverage in its surrounding area.

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[Australia's 5G Landscape: Unravelling Opportunities and ...](#)

Executive Summary Australia's 5G landscape presents a dynamic scenario with promising opportunities and notable challenges. The fifth-generation wireless technology, with its ...

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European 5G Observatory

The European 5G Observatory is a valuable resource for anyone interested in the development of 5G networks. Whether you are a policymaker, researcher, telecom operator, or simply a tech ...

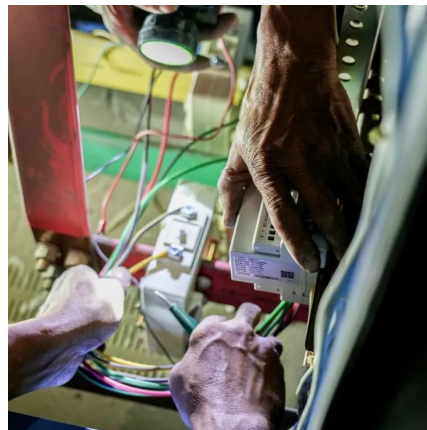
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[What is 5G base station architecture?](#)

Before you can think about 5G network components, you need to consider the base station. To get started, find out what you need to know ...

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[Recent Developments in 5G Base Station Engineering - ...](#)

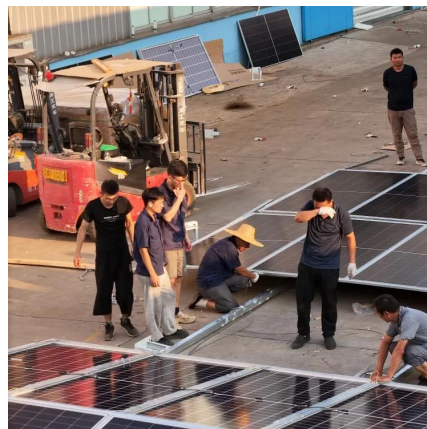
Unleashing the Future: Recent Developments in 5G Base Station Engineering Across Central Europe The modern world is teetering on the brink of digital transformation, ...

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[China has installed over 4 million 5G base stations](#)

The total number of 5G base stations in China reached 4.04 million as of the end of August, accounting for 32.1 percent of all mobile base ...

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[5G Base Station Market By Share, Size and Forecast 2028](#)

The Global 5G Base Station Market is experiencing rapid growth and transformation as it plays a pivotal role in ushering in the era of 5G connectivity.

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5G in Europe: Reflecting on the Progress So Far and Mapping ...

This report reviews 5G performance in European markets, progress on spectrum assignments, private network deployments, and operator virtualization efforts.

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