

A-Core Container

Netherlands 5G base station construction by various communication companies



Overview

What does 5G mean for the Netherlands?

The introduction of 5G means the Netherlands will continue to have a fast and stable mobile network in the future. Mobile data usage is increasing. For example, people now watch films while travelling. And farmers' drones, industrial machinery and self-driving cars all use mobile data.

What are the components of a 5G base station?

Baseband Unit (BBU): Handles baseband signal processing. Remote Radio Unit (RRU): Converts signals to radio frequencies for transmission. Active Antenna Unit (AAU): Integrates RRU and antenna for 5G-era efficiency. 2. Power Supply System This acts as the "blood supply" of the base station, ensuring uninterrupted power. It includes:

How will 5G be provided in the future?

In the future 5G will be provided via existing antennas and new smaller ones. When erecting antennas, telecommunications companies must take into account public health, living environment and safety and security. Operators who want to put up these new antennas must do so in accordance with relevant policy.

Can a mobile phone company test 5G technology?

Mobile phone providers and companies have been allowed to test 5G technology since 2018. Certain tests require an experimentation permit. When the Radiocommunications Agency issues a permit, the test location is added to the Antenna Register. This register lists the location and type of all antennas in the Netherlands.

What is a 5G Brain Center?

Often referred to as the brain center, this includes: Baseband Unit (BBU): Handles baseband signal processing. Remote Radio Unit (RRU): Converts

signals to radio frequencies for transmission. Active Antenna Unit (AAU): Integrates RRU and antenna for 5G-era efficiency. 2. Power Supply System.

Do I need a permit for a 5G antenna?

No environmental permit is required for antennas shorter than 5 metres. This means operators can expand their wireless networks as fast as necessary. All 5G antennas must comply with the international limits for electromagnetic radiation.

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