

## Kongres Container

# Ukraine 5G base station power supply facilities construction



## Overview

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### Is Russia stalling Ukraine's 5G plans?

While many operators across Europe have focused on launching 5G networks, the same can't be said for Ukraine. Speaking to DCD, Stanislav Prybytko, director general of the directorate for mobile broadband for Ukraine's Ministry of Digital Transformation, explains that the war with Russia has stalled the country's 5G goals.

### How many base stations are there in Ukraine?

"We've had more than 10 percent of our sites completely or partially destroyed," explains Sasha Ananyev, head of the network operation department at Vodafone Ukraine. That's roughly 1,400 base stations, and does not include base stations located in Donetsk and Luhansk, areas that have been occupied by Russia since 2014.

### Will Latvia support Ukraine's 5G network?

Support for the development of its 5G network is also coming from Latvia. During the 5G Techritory event in October, which was held in Riga, Latvia, Ukraine signed an MoU with the Latvia government, which will see the latter provide support to rebuild Ukraine's telecoms infrastructure.

### 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:.

### What percentage of Ukraine's base stations have been destroyed?

His view was shared by another Ukrainian telecoms provider, Lifecell, which also reported around 10 percent of its base stations being destroyed at its

peak, at around 900 sites.

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

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