



**SolarTech Power Solutions**

# **North Macedonia 5G communication green base station bidding**



## Overview

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Will North Macedonian telecommunications operators participate in a 5G auction?

North Macedonian regulator the Agency for Electronic Communications (AEK) has announced that it has received four expressions of interest from telecommunications operators in participating in a planned auction for the allocation of frequencies for 5G networks.

What is 5G in Macedonia?

Makedonski Telekom and A1 Macedonia launched their 5G services with a combination of 4G frequencies using DSS before the 5G spectrum auction, with the regulator, AEK, awarding the licenses for frequencies in the 700 MHz and 3.6 GHz bands for 5G in July 2022. Makedonski Telekom invested over EUR 70 million in 2022 for network development.

Will Macedonian cities be covered by 5G?

The conditions of 5G licenses for Macedonian operators state that by the end of 2023, at least one Macedonian city should be covered with a 5G signal. But it is not only 5G that is achieving good performance.

How many NB-IoT base stations are installed in Macedonia?

Makedonski also revealed that it has installed 900 new NB-IoT (narrowband IoT) enabled base stations for M2M communication in the country, with capacity of the new modernized network up by 70 percent. A1 describe themselves as the leading mobile network operator and number two in the fixed-line market in North Macedonia.

Which mobile network operator in North Macedonia has the fastest mobile network?

A1 describe themselves as the leading mobile network operator and number two in the fixed-line market in North Macedonia. They say that have the

fastest mobile network in the country. On top of this, the mobile network is becoming even faster by launching 5G.

Does A1 Macedonia have a 5G network?

By the end of 2022, A1 started building its 5G network and accomplishing coverage of 56,6 % of the total population. Tourist centres, such as Ohrid Lake, are covered by LTE network and A1 Macedonia will continue investing in its modernisation.

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