



GermanSolarZA

North Macedonia 5G communication green base station construction project bidding





Overview

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.

What percentage of Macedonia has a 4G network?

The network covers 99.9% of the population and over 98.5% of the territory of North Macedonia. Makedonski was the first telecommunications company in the country to introduce 4G LTE, GPRS, EDGE and various converged internet and mobile services.

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.



North Macedonia 5G communication green base station construction



[Expert Guide on 5G Regulation and Law in North Macedonia](#)

Explore an expert guide on 5G regulation and law in North Macedonia, covering deployment, licensing, and future plans. Gain insights into telecommunications law now!

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Approval tender -- Greening and Digitalising Transmission Network in Southwest and Pelagonija Region -- for North Macedonia by EBRD, EC in Energy, Information & Communication ...

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[North Macedonia Launches 5G Spectrum Tender for New ...](#)

The Agency for Electronic Communications (AEC) of North Macedonia has announced a public tender for spectrum allocations in the 700 MHz, 1800 MHz, and 3.5 GHz ...

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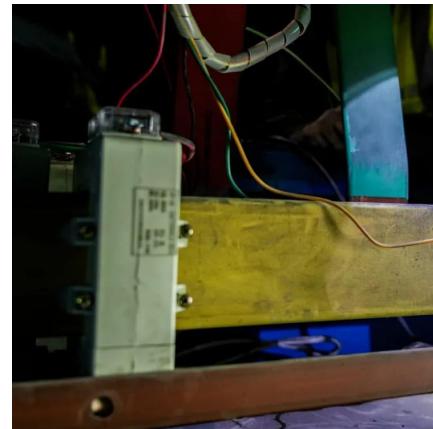
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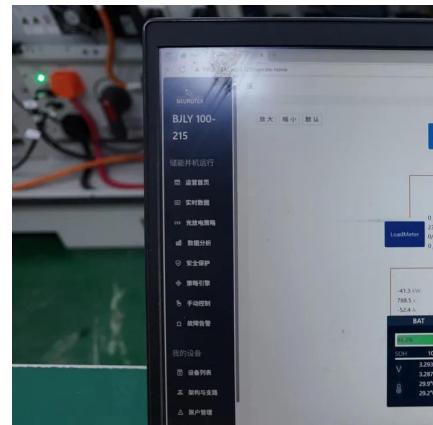
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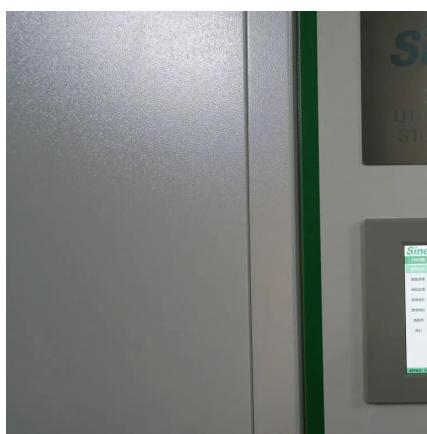


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Macedonia

On 16th April 2025, The Agency for Electronic Communications (AEK) of Macedonia opened a public tender for the 700 MHz, 1800 MHz, and 3.x GHz frequency bands for 5G networks.

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[North Macedonia: Legal and Regulatory Challenges for 5G ...](#)

With the rollout of 5G technology, North Macedonia will have to clear a number of legal and regulatory hurdles before benefitting from its potential to transform industries, ...

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