

Seoul Telecom s first offshore 5G base station





Overview

Does SK Telecom use AI to improve 5G performance?

SK Telecom (SKT) has partnered with Samsung Electronics to use AI to improve the performance of its 5G base stations in order to upgrade its wireless network. Specifically, they will use AI-based 5G base station quality optimization technology (AI-RAN Parameter Recommender) to commercial 5G networks.

How does 5G work in South Korea?

South Korea's main telecom firms developed their public 5G networks on the 3.5-gigahertz band, a mid-frequency band. At the same time, 5G can be enabled on the high-frequency bands supporting millimeter wave, the type touted at 5G's inception that can provide more-extreme boosts in speed.

Is South Korea ready for 5G?

Four years ago, South Korea led the world's biggest rollout of 5G, promising a huge increase in network speeds that would help usher in a flurry of new technologies such as autonomous cars, augmented reality and remote surgeries. South Koreans are still waiting for that to happen.

How many 5G subscribers are there in South Korea?

As of August 2022, there were 24.53 million 5G subscribers in South Korea, accounting for around 33% of all mobile subscriptions in South Korea. Perhaps more importantly, 5G networks are now carrying roughly 70% of all mobile data traffic in the country.



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[SK Telecom unveils 'smaller but efficient' 5G base station](#)

Nov 14, 2018 · The telecom firm introduced its 5G base station on top of a building in Myeong-dong, central Seoul. SK Telecom is preparing to send its first 5G signal on Dec. 1.

[SK Telecom, Samsung use AI to optimize 5G base stations](#)

Oct 28, 2024 · SK Telecom and Samsung plan to extend the AI-based technology to high-traffic areas with variable usage patterns, such as subway systems Korean companies SK Telecom ...

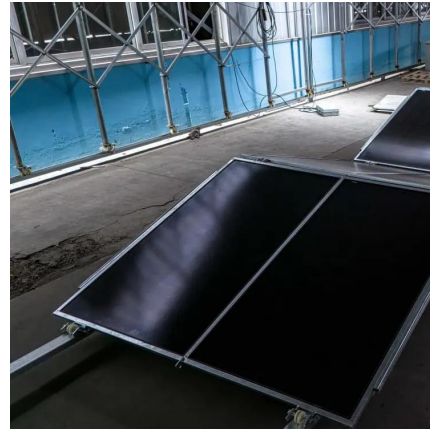


SK Telecom and Samsung Revolutionize 5G with AI-Driven Base Station

Nov 1, 2024 · SK Telecom (SKT) and Samsung Electronics are setting new standards in 5G network performance with an advanced AI-based solution for optimizing 5G base stations.

[5G in Korea - IEEE ComSoc Technology Blog](#)

Oct 28, 2024 · SK Telecom (SKT) has partnered with Samsung Electronics to use AI to improve the performance of its 5G base stations in order to upgrade its wireless network. Specifically, ...



[SK Telecom and Samsung boost 5G base station efficiency ...](#)

Nov 6, 2024 · SK Telecom has detailed a plan to deploy an AI-based 5G optimisation technology developed with Samsung after verifying it improved the performance of sites in its commercial ...



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Nov 13, 2025 · South Korea's main telecom firms developed their public 5G networks on the 3.5-gigahertz band, a mid-frequency band. At the same time, 5G can be enabled on the high ...



[SK Telecom upgrades 5G base stations with Samsung](#)

Oct 29, 2024 · South Korea's SK Telecom Co. said on Monday that it partnered with Samsung Electronics Co. to apply artificial intelligence (AI)-based quality optimization technology for fifth ...





[SK Telecom and Samsung Develop AI-Based 5G Base Station ...](#)

Nov 27, 2024 · On October 28, Korean telecom giant SK Telecom and Samsung Electronics announced the joint development of AI-based 5G base station quality optimization technology. ...



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