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Riyadh Communications Green Base Station Network





Overview

Does 6G support green infrastructure?

In this way, 6G not only provides essential network support for green infrastructure but also drives sustainable development practices. However, achieving green, low-carbon 6G networks requires overcoming technical challenges in hardware design, communication protocol optimization, and energy management.

What is a green 6G network?

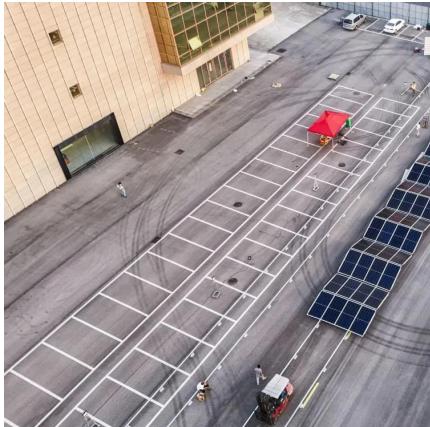
The objective of developing green, low-carbon 6G networks is to achieve high-speed communication technology while minimizing environmental impact. Reducing the energy consumption and carbon emissions of 6G networks can significantly lessen their contribution to global climate change.

What is a signaling base station?

A single signaling base station can support multiple signaling cells focused on processing the signaling plane and serving as anchors for Radio Resource Control (RRC) functionality. This vertically segmented architecture optimizes network resources, reduces costs, and minimizes energy consumption.



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