

Green 5G: 5G's energy-saving strategies

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Abstracts

This report analyses the ways in which environmental concerns are being factored into 5G rollouts.

It is highly likely that 5G will drive an increase in networks' consumption, as it enables a growing number of uses, employs new frequency bands and requires increased network density, moving beyond the confines of classic broadband.

That said, a host of initiatives are focused on optimising per-unit consumption levels. This report takes a look at a number of solutions designed to reduce and optimise energy consumption (AI, sleep modes, virtualisation, etc.).

The world's leading telecom manufacturers, equipment suppliers and operators are working to adopt these energy-saving solutions which, more and more, are being seen as selling points.

This report examines the strategies of some 20 market players, providing a detailed analysis for ten of them.

The report answers the following questions:

How will 5G change network consumption?

What are the main (current and future) avenues for reducing 5G's consumption?

How are equipment suppliers tackling energy saving issues?

Which operators have the greenest strategic plans and most ambitious carbon-

neutrality targets?

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