

5G and Edge Driving Telecom Industry Hopes and Fears



5G is unlike any previous mobile generational shift

It will give **consumers** the faster broadband pipes they demand and bring significant **enterprise functionality.**



5G IS 3 NETWORKS IN ONE



5G is taking off faster than expected

Chipset and device vendors are investing heavily to 'get ahead' of 5G. Smartphones for the main 5G radio spectrum bands are slated to hit the market in 2020. More than 40 operators have already launched 5G services.

Some operators are accelerating initial 5G deployments to keep up with demand and competition. As a result we estimate that



65% will offer first commercial services in 2020.

In January 2019, 53% of global operators planned to offer first 5G services in 2020:





5G/Edge success depends on DCIM and energy efficiency

According to our survey respondents, **datacenter infrastructure management (DCIM)** is the most important technology for achieving operational and profitability goals related to 5G, edge computing and datacenter ops.



5G power solutions: Countermeasures required

The business case for 5G is far from a slam dunk given power's share of opex. The industry desperately needs **more energy-efficient solutions and datacenter-specific countermeasures.**

Which of the following energy savings tactics are you deploying in your network today? In 5 years?

Today 2024







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79%

85%

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