



# Regional Spotlights: Impact of mmWave 5G

RCC Edition

The performance benefits of mmWaves, including ultra-high speeds and low latencies, will drive the revolutionary impact of the most advanced 5G services.

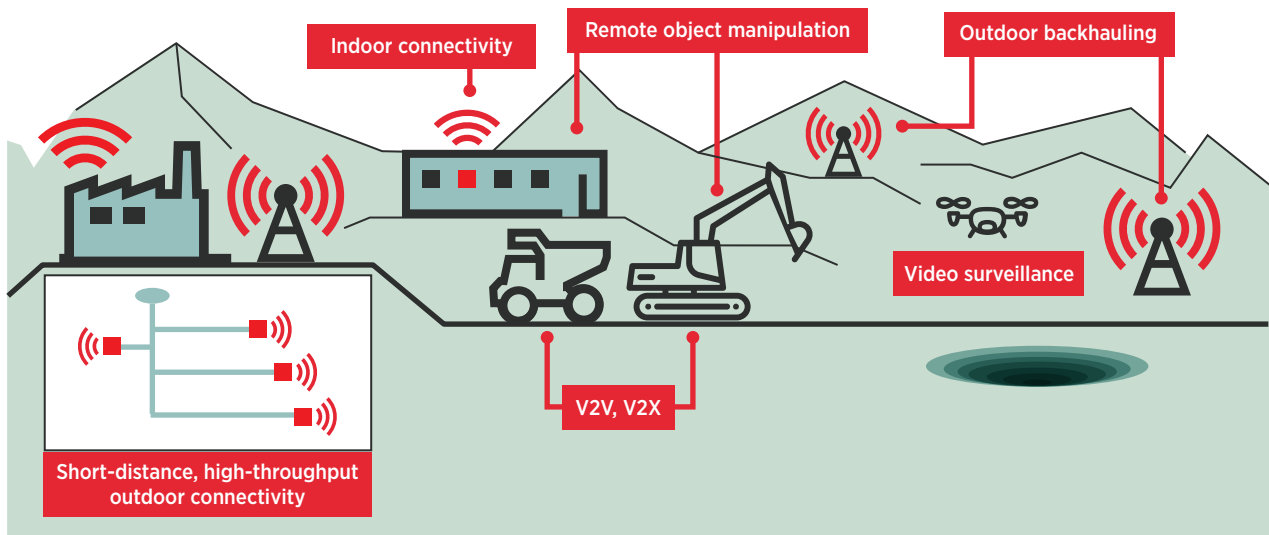
In the RCC region, mmWave 5G offers a wealth of opportunities to help improve the quality of healthcare and workforce productivity.



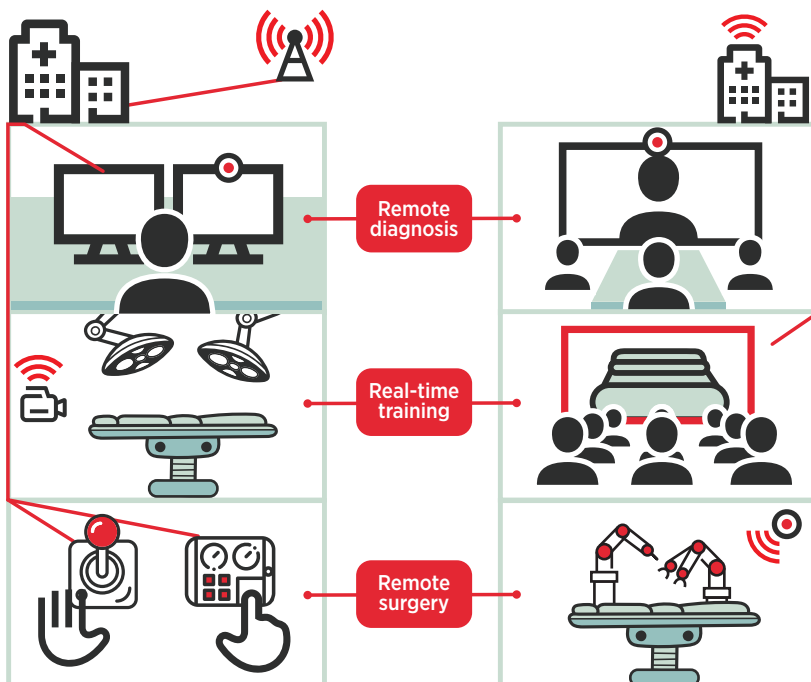
## Case Study #1: Automation across industry

### mmWave 5G to help increase workforce productivity

This case study considers how mmWave 5G can help improve workforce productivity. Transport, logistics, mining and oil extraction, and manufacturing industries all stand to gain from mmWave 5G-enabled automation, connected transportation infrastructure and the introduction of remote object manipulation.



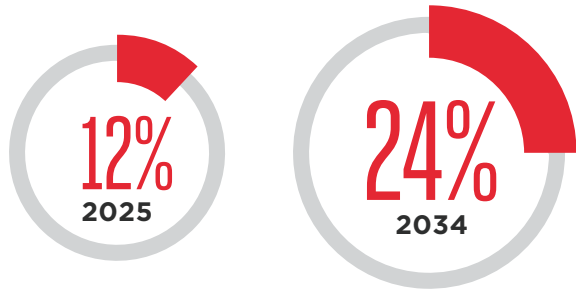
## Case Study #2: High-quality healthcare



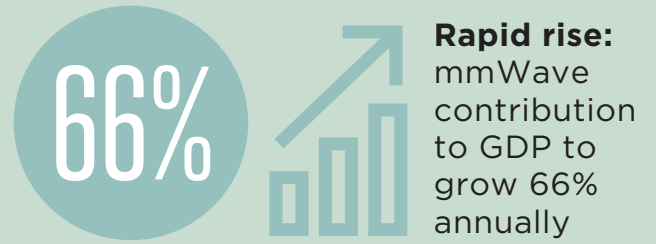
### Improving medical services in rural areas

This case study examines how mmWave 5G will provide high-speed broadband that enables virtual training to healthcare staff, remote participation of experts during difficult procedures, and remote diagnostic services. These advances open the door for improved healthcare, especially through access to medical services in rural areas and higher-quality medical services overall.

# THE GROWING IMPORTANCE OF MMWAVES



The share of 5G services using mmWaves



## GDP impact of mmWave spectrum by 2034



TAX  
\$1.4 billion



Remote manipulation



High-speed broadband



Virtual reality and meetings



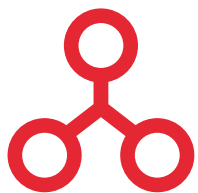
Industrial automation



Quick/temp. deployment



Next-gen transport connectivity



1.4bn



2025

### A LONG-TERM PROCESS

The mobile success story has not happened overnight. It is the result of a harmonised effort across the whole mobile ecosystem. No-one has done more with the spectrum it has, nor collaborated more effectively, to deliver a better future for everyone.

For the potential of mmWave 5G to come to fruition, spectrum with optimal conditions must be agreed at WRC this year.

Read the full report at:

<https://www.gsma.com/spectrum/5G-mmwave-benefits>

Read more about what we can accomplish at WRC-19 here:

<https://www.gsma.com/spectrum/wrc-series/>

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