



# Impact of mmWave 5G

Latin America and the Caribbean

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

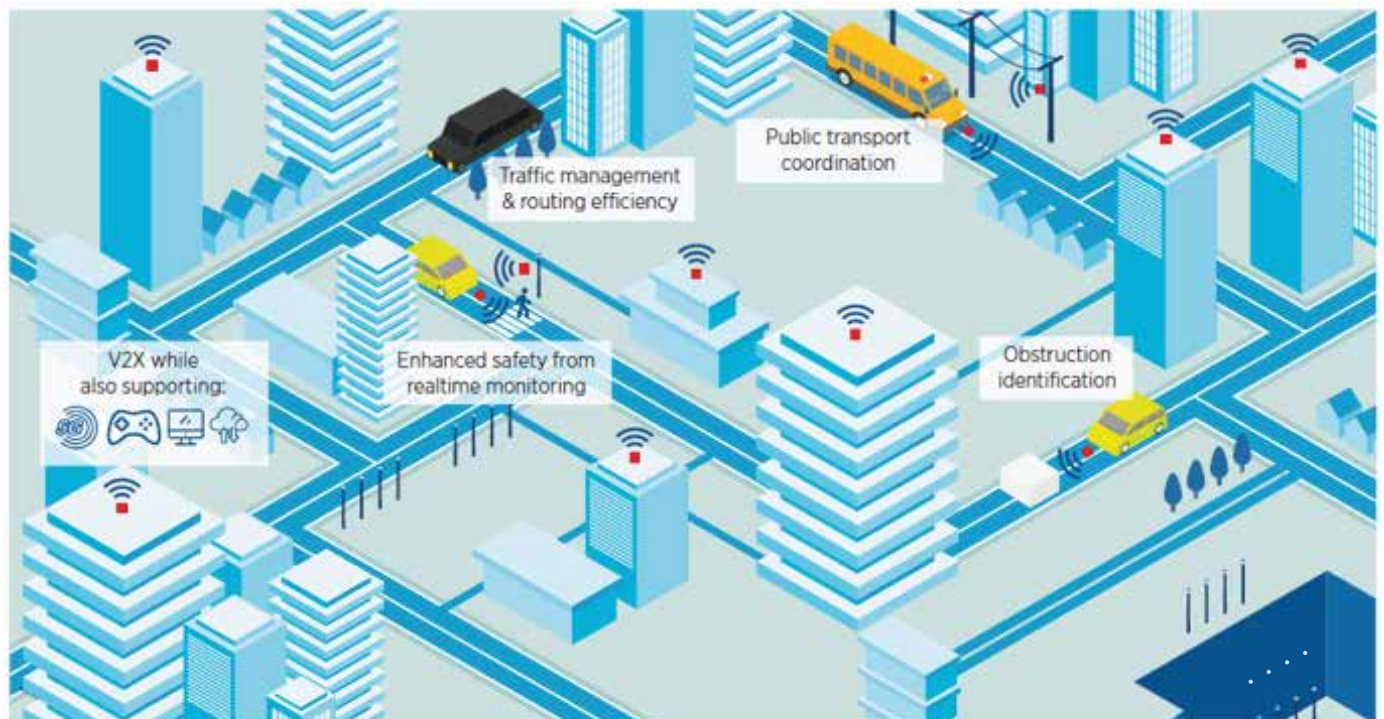
In the Latin America and Caribbean region, mmWave 5G offers a wealth of opportunities to innovate in areas such as transport and education.



## Case Study #1: Transport

### Connected transport environments

This case study considers how mmWave 5G enables connected transport environments, including V2X communication, connected cars and public transport systems, and intelligent transportation systems (ITS). For example, mmWave 5G applications can assist with the impact of rapid urbanisation by providing solutions to congestion, long commute times, and poor air quality.



Source: TMG.

## Case Study #2: Education



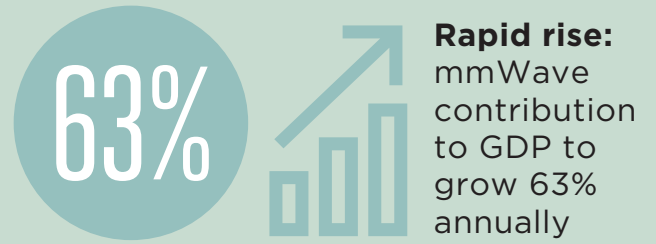
### Improved access to richer education

This case study examines how mmWave 5G will impact access to and quality of education in the region. mmWave 5G will provide high-speed broadband to support virtual and augmented reality educational applications, allowing distance learning and richer educational experiences. This will expand opportunities and support improved educational outcomes, a benefit that will ripple through entire communities and societies.

# THE GROWING IMPORTANCE OF MMWAVES



The share of 5G services using mmWaves



## GDP impact of mmWave spectrum by 2034



Remote manipulation



High-speed broadband



Virtual reality and meetings



Industrial automation



Quick/temp. deployment



Next-gen transport connectivity



### 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 they have, 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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