



Regional Spotlights: Impact of mmWave 5G

Sub-Saharan Africa

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

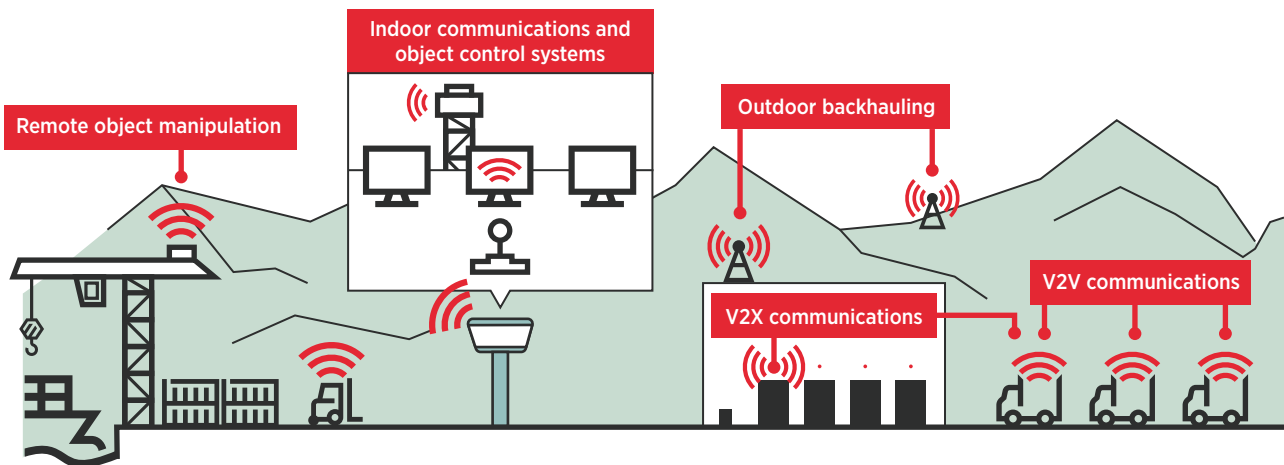
In the Sub-Saharan Africa region, mmWave 5G offers a wealth of opportunities to innovate in areas such as smart transportation logistics hubs and extractive industries.



Case Study #1: Smart transportation logistics hubs

Improved efficiency and lower costs

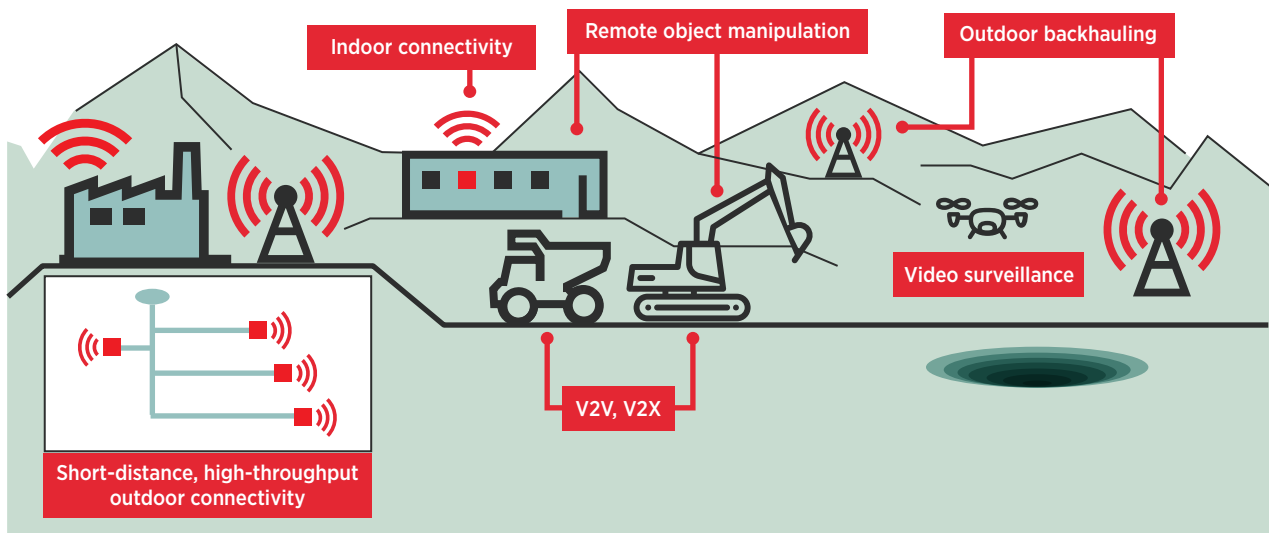
This case study examines how mmWave 5G will impact transport logistics infrastructure, such as in-land transport hubs and seaports.



Case Study #2: Extractive industries

Reduced costs and improved safety

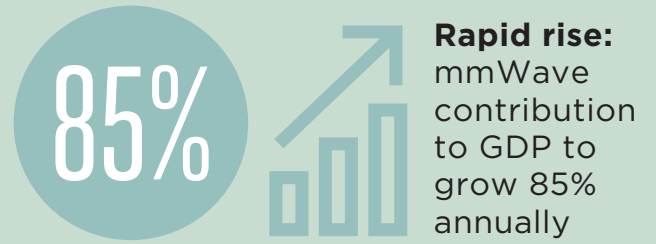
Sub-Saharan Africa's important extractive industries will be able to leverage high-capacity wireless networks enabled by mmWave 5G to reduce costs and improve worker safety.



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 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/>

August 2019