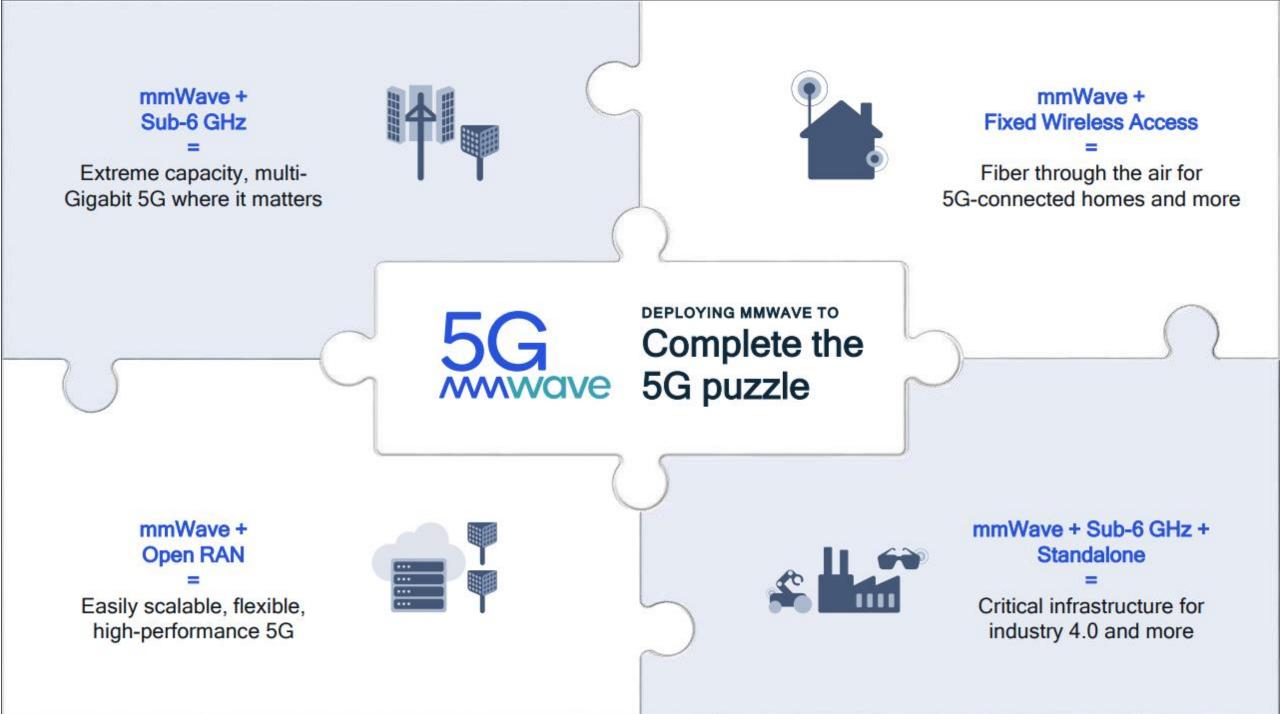
November 2021

XI Congreso Internacional de Espectro ANE - Colombia

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Espectro para verticales y futuros esquemas de asignación

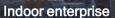
Francisco Soares Vicepresidente de Relaciones Gubernamentales Qualcomm



Delivering on the 5G vision

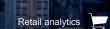
Connected

Mix of deployment models required to realize this future



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Public networks



Fixed wireless access

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Smart transportation

Smart buildings

Private networks

XR factory production

Connected educatio

5G

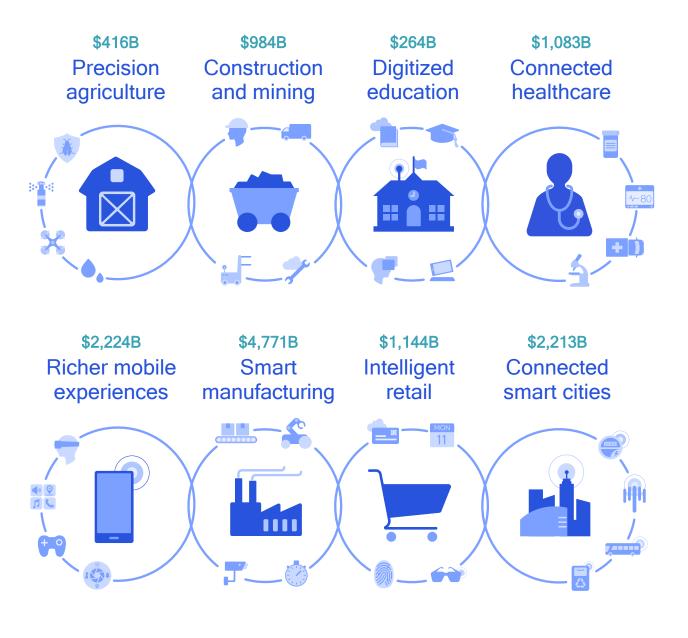


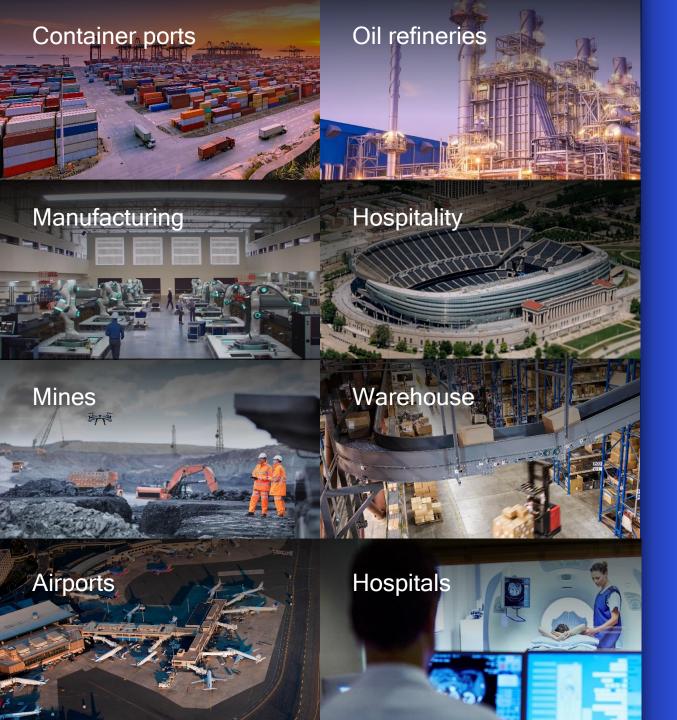
5G will expand the mobile ecosystem to new industries

Powering the digital economy



* The 5G Economy in a Post-COVID-19 Era - an independent study from IHS Markit, commissioned by Qualcomm Technologies, Inc.





5G private networks will expand the market

Wide range of industries from manufacturing and seaports to venues and enterprise

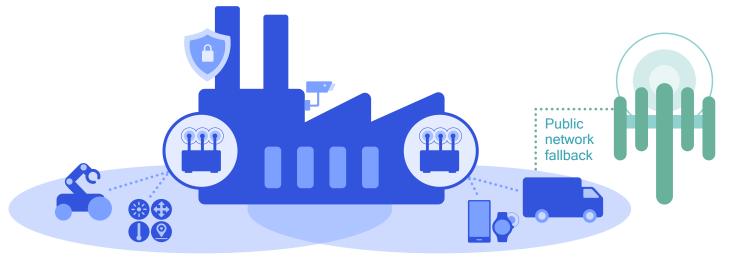


global private LTE/5G market size by 2026¹

18% CAGR

1. Mobile Experts, "Private LTE/5G 2021" (Feb. 2021)

5G private networks bring benefits to industry and enterprise



Private network¹

Dedicated

Local network, dedicated resources, independently managed

Secure

Cellular grade security, sensitive data stays on-premise

Optimized

Tailored performance for local applications, e.g., low latency, QoS²



Coverage, capacity, and mobility

Outdoor/indoor, high data speeds, seamless handovers, public network fallback

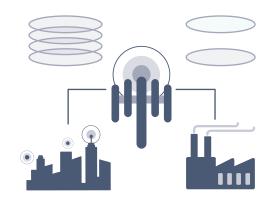
Reliability and precise timing

Industrial grade reliability, latency and synchronization (eURLLC³ and TSN⁴)

Interoperability

Global standard, vast ecosystem, future proof with rich 5G roadmap

5G private networks: An opportunity for mobile operators To deploy, manage, or offer as a service, both in licensed and unlicensed spectrum

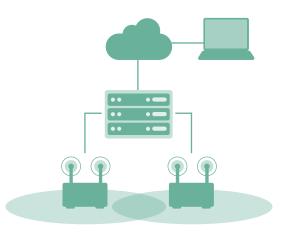


Licensed spectrum assets

Dedicate a portion for private networks

Spectrum may be under-utilized in industrial areas

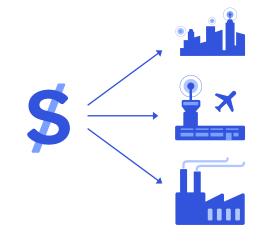
Reuse mmWave spectrum indoors, such as for private enterprise network



Expertise in mobile networks

Relevant expertise in deploying, optimizing, operating mobile networks

Existing ecosystem relationships

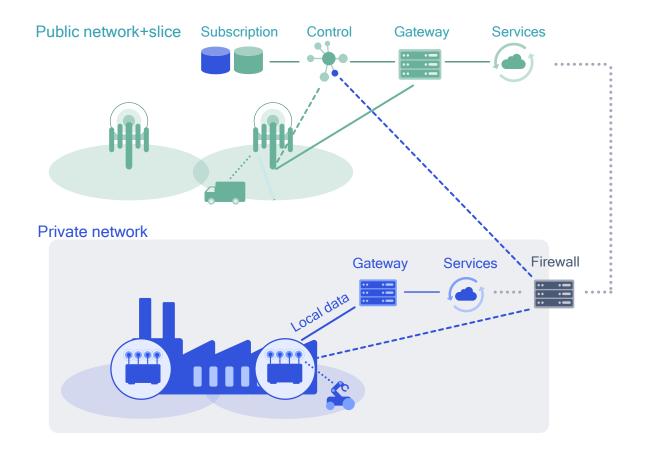


Existing sales channels

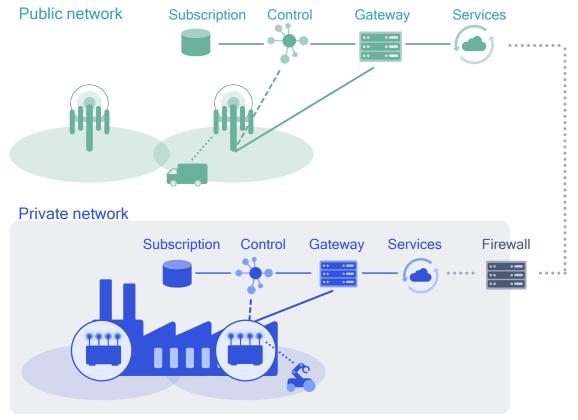
Already provide services to many industrial and enterprise customers

Multiple business opportunities, from deploy to offer private network as a service

Integrated private network



Independent private network¹



1) Mobility between private and public networks can still be supported via dual subscriptions

Multiple private network architectures for flexible deployments

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