# Simplify your path to 5G private network deployment

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# Why deploy a 5G private network?

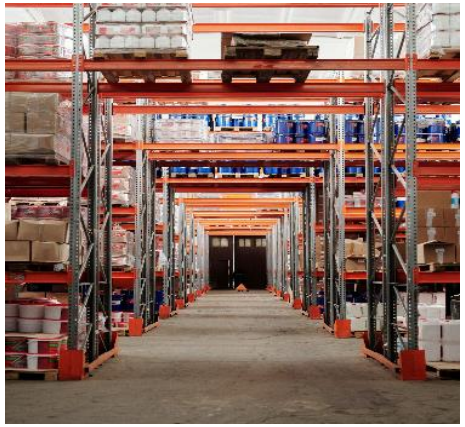
- Improved capacity and coverage
- Greater control and on-premise data security
- Better predictability and more reliable performance
- Higher ROI (no monthly network fees)

**Enterprises can deploy a 5G private network today**

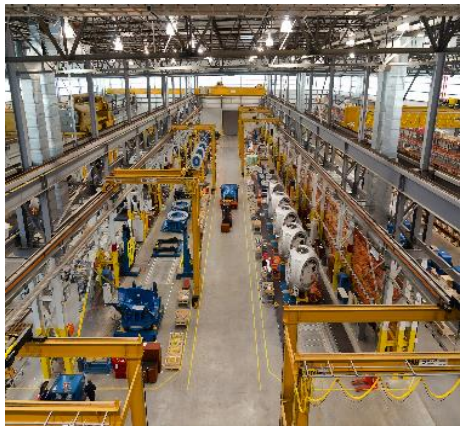
# Enterprises will benefit from their own private network

## Ports and maritime

## Warehousing



## Manufacturing



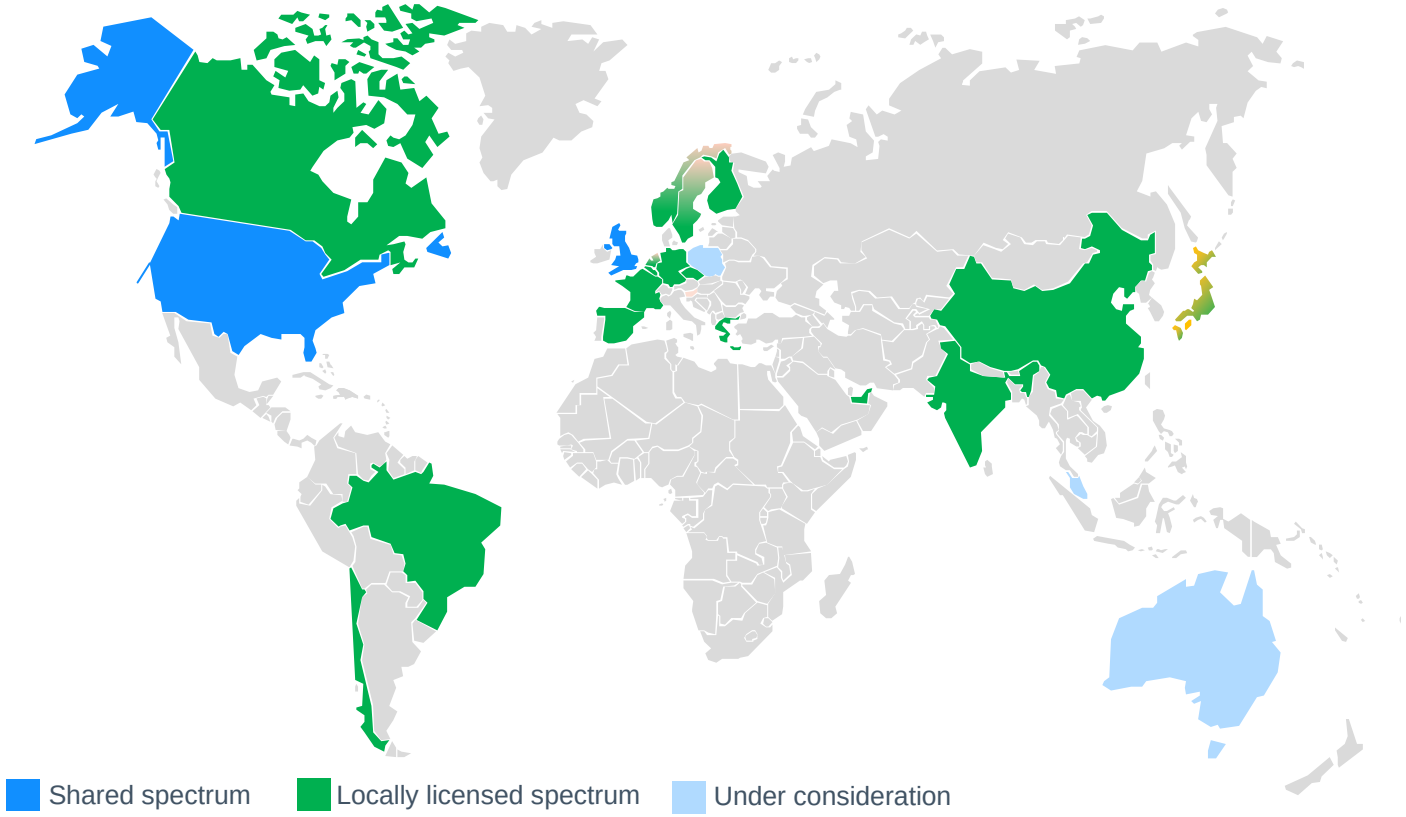
## Mining

## Oil & Gas

## Utilities

# The spectrum opportunity

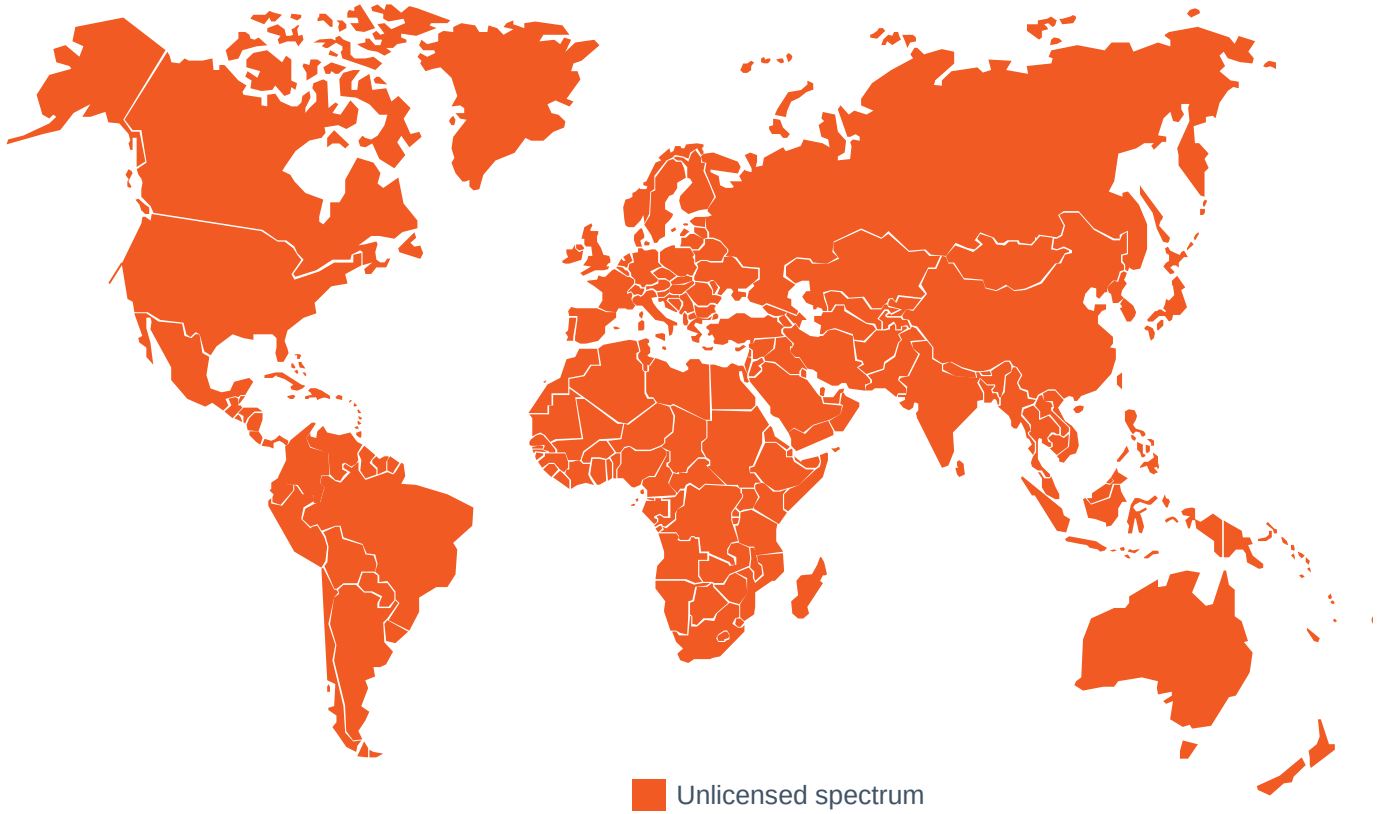
- Different initiatives to broaden enterprise access to mobile network spectrum:
  - Spectrum sharing between public authorities & enterprises
  - Locally licensed spectrum available for industry verticals
  - 5 GHz unlicensed spectrum available globally today




Source: ABI Research

# The unlicensed spectrum opportunity

- Different initiatives to broaden enterprise access to mobile network spectrum:
  - Spectrum sharing between public authorities & enterprises
  - Locally licensed spectrum available for industry verticals
  - **5 GHz unlicensed spectrum available globally today**




Source: ABI Research

# MFA

## A new way to private wireless

# Introducing MFA—a champion for 5G private networks

- In 2015 created the MulteFire® specification to enable standalone operation of LTE-based technology in unlicensed spectrum
- In 2021 rebranded to reflect expanded scope in facilitating 5G private network deployments based on 3GPP standards
- MFA is 3GPP Market Representation Partner (MRP)
- MFA is championing the global industry adoption of private networks using:
  1. MFA-defined MulteFire specifications for LTE
  2. 3GPP-based Uni5G™ Technology Blueprints for 5G
- With Uni5G or MulteFire, enterprises can efficiently deploy their own optimized, reliable and secure private network in locally licensed, shared, or unlicensed spectrum.

Introduced Uni5G™ Technology Blueprints

Classified MulteFire® as legacy 4G/LTE-based technology

Awarded a unique Global PLMN ID which will be made available to members and enterprises

MFA™

# From MulteFire to Uni5G

- **MulteFire®** is a **4G/LTE-based technology** that **operates standalone in unlicensed or shared spectrum**, enabling industry verticals to deploy their own private wireless network with Wi-Fi-like deployment simplicity and LTE-like performance.

- **Uni5G™ technology blueprints** leverage 3GPP 5G standards to define **profiling and classification requirements**, enabling industry verticals to efficiently deploy their own optimized, reliable and secure **5G private network** in locally licensed, shared or unlicensed spectrum. The first blueprints will be finalized by December 2021.



MFA™

# MFA launches Network Identifier Program to ease deployment


- ITU has awarded MFA a unique global PLMN ID
  - Ensures only authorized devices connect to the private network
- New MFA Network ID program is now available to the industry
  - With access to the PLMN ID number, enterprises can readily deploy their own 5G private network in locally licensed spectrum today
- New Private Network Subscriber category gives enterprises complementary access to a Private Network ID package
  - MFA's Private Network ID package enables industry verticals to get their private network up and running quickly and securely

# Summary

- Enterprises can enhance their digital transformation initiatives and realize a higher ROI with 5G private networks today
- MFA is simplifying the path to 5G private network deployment
  - Enabling technology solutions for private networks for industry verticals such as maritime, logistics, mining, manufacturing, agriculture, and oil & gas
  - Supporting the commercialization of private networks using MFA-defined MulteFire specifications for LTE and Uni5G Technology Blueprints for 5G
  - Launching the Network Identifier Program to give enterprises access to the MFA's unique global PLMN ID for their private network deployments
  - Educating industry verticals around the globe to identify the appropriate spectrum bands and technologies most suitable for their wireless connectivity
- Join us! Discover more about MFA membership benefits and visit us in booth #207

# Questions?

# Thank you