



Call for Participation
OPEN PRIVATE 5G
with
OpenAirInterface

July 12, 2022

Connectivity upgrades are a priority in the Industry digitalization



51% of the firms surveyed plan to deploy a private 5G network in the next **6-24 months.**

Companies planning to deploy private 5G networks

3% within 6 months

15% within 12 months

19% within 18 months

— Huge benefits for the society.. **and companies**



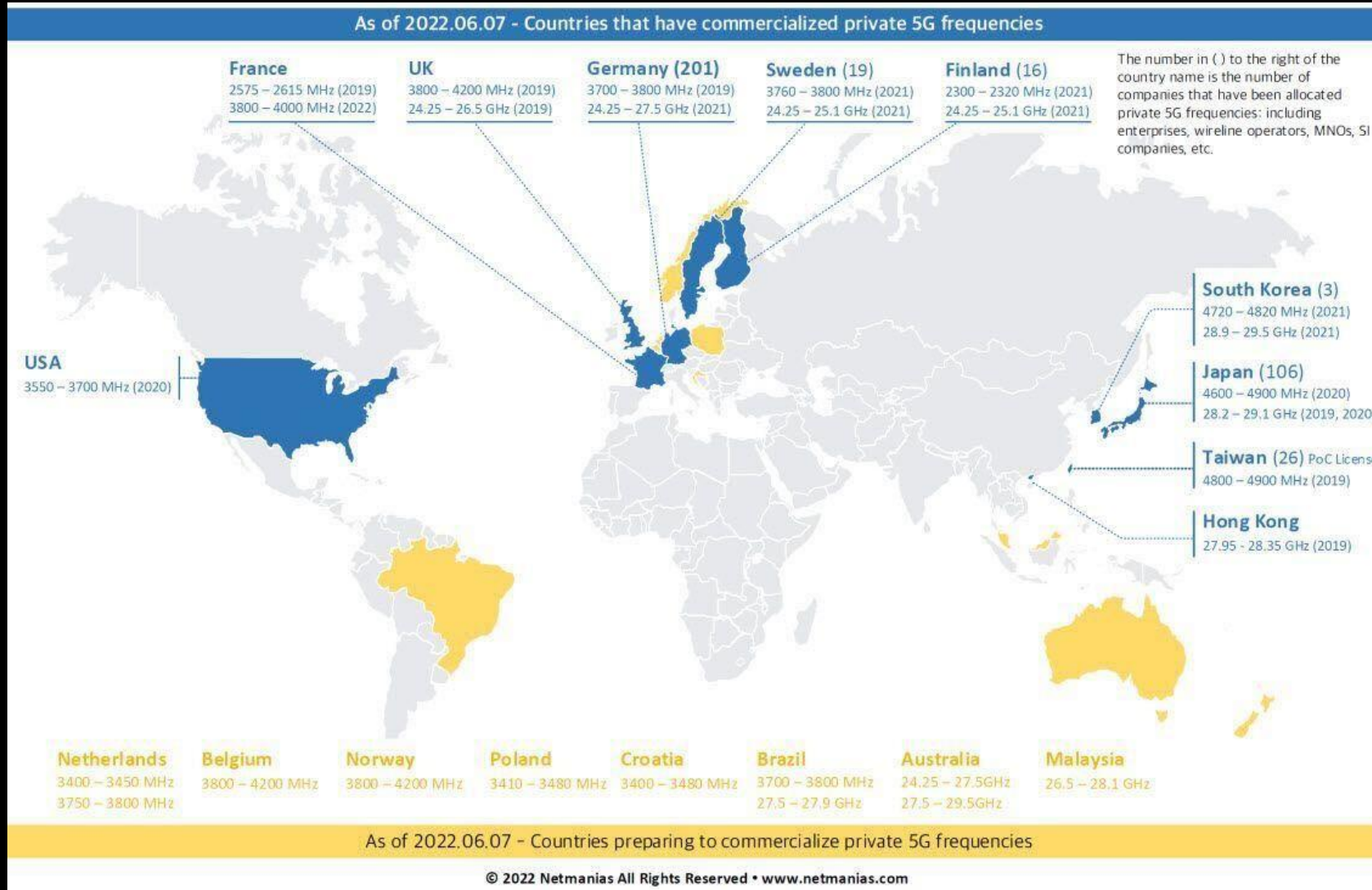
BOSCH

40% less power consumption

30% reduced inventories

\$1M savings / year / factory

20 countries have released Private 5G Spectrum worldwide



Up to 100Mhz of licensed Private 5G spectrum to complement WiFi



AR/VR for remote maintenance



Nomad Networks on construction sites



Smart Buildings IoT



Asset tracking & geofencing



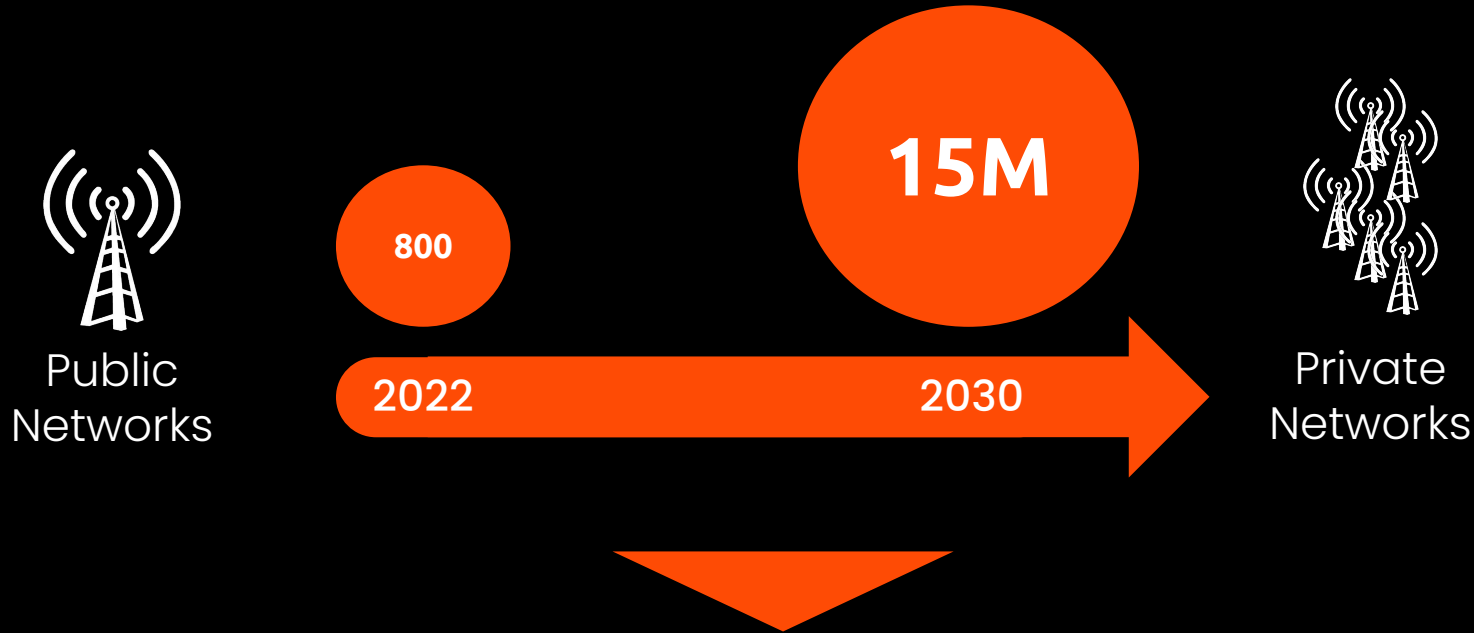
Realtime Quality control on factory



Video surveillance with drones



Doing telecom the new way



What's New?

- Wide variety of use cases
- New architectures: clouds, Edge, O-RAN
- Wide variety of IoT Devices
- Higher number of Integration points
- New entrants: Industrial SI, Equipments, etc...

Industry	Sites	Size
Industrial & Manufacturing	10,710,000	1M+
Warehouses	3,300,000	
Hospitals & Labs	263,000	100K+
Water utilities	140,000	
Mining	54,000	
Transport venues & ports	50,000	10K+
Power generation	47,600	
Military bases	10,000	
Oil & gas	8,000	1K+
TOTAL	14,582,600	

Why Open Private 5G?

— Open?

O-RAN

O-RAN brings hardware independence

Open Source

Open Source speeds up overall value chain
integration, support, etc..

OpenAirInterface

OpenAirInterface is the most active wireless innovation platform

— Our Mission

Make open source and OAI the
foundation for Private 5G

— Our Objectives

Have an enterprise ready
version of OAI P5G in 2023 for
first real deployments

— Initial OAI-P5G Activities

-1-
Collect P5G requirements from the interested parties

-2-
Coordinate / prioritize their development

-3-
Support the setup of pilots and present their progress

-4-
Promote the activity towards Industry bodies and the larger ecosystem

OP5G - Firecell Committed Activities

Contributions

- **Productization**
 - o System Logging - ongoing
 - o Error Management - Q4
- **Essential features**
 - o 5G / 4G Multi-Cell - ongoing
 - o 5G Conformance - ongoing
 - o Enhanced LTE-M support - ongoing
- **Advanced features**
 - o Location Management - planned 2023

Pilots

"Geo 5G" Project from Firecell

Connect, control and real time indoor geo-localization of tools using 5G

Partners

- Firecell Leadership of the overall project, 5G core and ran network software
- Stellantis Experimentation in Peugeot Factory
- Euroutilis Automotive screwdriving solutions
- Miodex Assembly means for aeronautics
- TMF Industrial connected solutions
- Axians System Integrator (subsidiary of Vinci)
- AW2S 5G Radio Heads
- Sequans 5G IoT Modules



___ **What's next?** Contact the OAI-P5G Coordinator

Summer 2022

- gather company/industry interests / suggestions
- description of your activities in the domain of Private 5G network



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Autumn 2022

- Activity Kick off (sept)

Join Us!

