

Is Private Network the right solution for you?

Private Networks offer seamless, reliable and secure connectivity to boost digitalisation and automation.

A private 5G network is like having your own personal, high-speed internet connection, but instead of using Wi-Fi, it uses 5G technology.

The network is set up specifically for your business or location (factory, port, hospital, etc), it is not shared with the public and it is controlled by you.

Offering faster speeds, better security, and more reliable connections compared to public networks, it's like your own supercharged, private internet!

Private Networks frequently complement or replace Wi-Fi

	Indoor Applications	
	Private 4G/5G	Wi-Fi
Wide coverage	✔ Suitable for all	✔ Suitable for all
Mission-critical applications	✔ Suitable for all	— Load dependant
Highly secure for sensitive data	✔ Suitable for all	— Suitable for some
Guaranteed high throughput	✔ Suitable for all	— Suitable for some
Low latency	✔ Suitable for all	— Suitable for some
High volumes of devices	✔ Suitable for all	— Suitable for some
Mobility (Handover for AGVs)	✔ Suitable for all	— Suitable for some

	Outdoor Applications	
	Private 4G/5G	Wi-Fi
	✔ Suitable for all	✗ Not suitable
	✔ Suitable for all	✗ Not suitable
	✔ Suitable for all	— Suitable for some
	✔ Suitable for all	✗ Not suitable
	✔ Suitable for all	— Load dependant
	✔ Suitable for all	— Suitable for some
	✔ Suitable for all	— Suitable for some

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It’s challenging to create data transfer channels in the vast, 500 ha port area

At first, we considered using Wi-Fi, but an LTE network is superior thanks to its security, reliability and pervasive coverage

At the same time, we can commercialise our network by offering slices to other actors in the area”

Jyrki Roukala
Development Manager, Port of Kokkola

