Product brochure

Digital transformation with Mobile Private Networks



Together we can
vodafone
business



Where are you on your digital transformation journey?

With the drive towards improving operational efficiency and digitisation, businesses are changing the way they operate through intelligent allocation of people, automation of processes, technology, and even work spaces. People are better connected, systems are simplified and more efficient, and data plays a key role in day-to-day and second by second work.

Many industries are looking to digitise. One example of this is **Industry 4.0** - the application of advanced industrial processes via automation and AI to deliver the 4th industrial revolution.

Industry 4.0 ensures machines, tools, parts and people are perfectly synchronised, increasing production, while improving quality to deliver a better customer experience. In this environment, businesses are able to monitor infrastructure, locate their employees, review inventory, and drive efficiency and better workforce management.

This is enabled by using wearables, fixed sensors, video technology and artificial intelligence. Indeed, 75% of advanced manufacturing executives believe that adopting emerging technologies such as AI is an R&D priority*.

Vodafone Mobile Private Networks (MPN) and Edge Computing can revolutionise how you do business by bringing the network and the cloud closer to the devices that need it. MPN supports your business-critical services, with a local network on your premises – meaning more reliability, more capacity, and fast local processing capability with integrated Edge Computing. With guaranteed bandwidth, ultra-low latency and protected data flow, MPN and Edge Computing can unlock new possibilities for digital businesses.

Where are you on your digital transformation journey? Vodafone can help you create a highperformance environment that fits your business needs.

* Source: Bain and Co.

What's in it for you?

Scalability

- With pre-tested configurations, your MPN can meet your specific needs, now and in the future
- By bringing compute power closer to application users through Edge Computing, you'll see the same agility and scalability offered by the public cloud

Ecosystem

- We bring a best-in-class Edge Computing, application and device ecosystem to our customers' campuses

Low cost of ownership

- A complete turnkey Network-as-a-Service solution with self-service options through a management interface

Security

- We keep your data safe, since it does not leave your site*
- Access control: based on a mobile network, MPN provides all the end-user security of a mobile network

Reliability

- Assured carrier-grade SLAs with guaranteed QoS and high availability deliver the best performance and minimise downtime
- Greater business responsiveness is possible as your data can be collected, analysed and then acted upon locally without needing to cross the network with Edge Computing

Agility

- With less cabling, and greater mobility you can be more agile as your business evolves



Vodafone helped BASF Schwarzheide GmbH build a dedicated 5G campus network, opening up more than 60 digital use cases—from predictive maintenance to real-time equipment tracking. This transformation helps the company tackle rising energy costs and labour shortages, while laying the groundwork for Industry 4.0 innovation.

Vodafone Mobile Private Networks at a glance

Feature	Benefit
Private/reserved coverage	Guaranteed capacity; dedicated, private connectivity: only your company devices can connect (it can't be used by the general public)
Managed services	Let us take the strain – your IT teams can focus on what really matters
Private-to-public network roaming	Every device and vehicle stays connected on the go, automatically
Shared RAN option	Reduce operation costs when linking large sites or on-the-move devices
Connection density	Scalable solution allows the connection of thousands of devices on a factory floor
Local compute (dedicated MEC)	Allows URLL cloud-based applications to be located in customer premises
Cloud compute (distributed MEC)	Enables low latency applications



Vodafone Mobile Private Networks | Global solution

Private Radio, core and services

- Indoor and outdoor coverage
- Private LTE radio
- Licensed spectrum
- 4G/5G core services
- Local data routing

IoT services

- Global IoT SIMs
- IoT sensors
- Industrial IoT products
- Gateways

Managed service includes:

- Design and install
- Proactive monitoring
- Network reporting
- SIM provisioning and management
- Service management
- Propagation management

Cloud and security

- Private dedicated MEC
- Distributed MEC
- AI and machine learning
- Analytics

Value-added services

- Wearables
- Push-to-video/ mission-critical push-to-talk
- Mobile device management
- SD-WAN/LAN
- Narrowband IoT

Why choose Vodafone?

Our team of experts will design and manage end-to-end solutions for your company, leaving you time to focus on your core business needs.

- We've installed MPNs in factories, ports, hospitals and processing plants across multiple countries
- We have more than 200 million IoT connections
- We operate mobile networks in 24 countries and fixed networks in 73
- We manage mobile networks with more than 640 million customers worldwide
- We are leaders in the Gartner Magic Quadrant for MPN, IoT and Network Services

Next steps

If you want to discover more about Vodafone Mobile Private Networks, please contact your Account Manager.

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