

Making the connection for manufacturing



Bringing connectivity, the cloud and security together might sound complicated. We're here to help you join the dots.

The manufacturing sector's people and processes have been particularly affected by Covid-19 and Brexit. Now, more engineers and managers are remote workers, and teams are navigating longer delivery times from suppliers.¹

It is unsurprising that the cloud's promise of highly configurable supply chains is an attractive one. Minimising the reliance on certain connections and automating the choice of production partner based on proximity and expertise could deliver much needed momentum to the industry.

That's why an integrated approach to connectivity, the cloud and security can be a game changer for manufacturing.

Connectivity

The pandemic has seen more engineers and managers shift to remote working. Reliable and constant connectivity is required if on-site technology and off-site workers are to communicate, staying on top of machine health and production performance.

Software Defined Networking (SDN) creates a virtual network that allows you and your service provider to deliver and manage connectivity remotely and securely.



The cloud

Companies are only as good as what they put out. Cloud manufacturing platforms can bring pre-vetted partners together for suppliers you can rely on—and then distribute work evenly for low lead times.

This transition means choosing the right cloud for the job, and having the expertise and services on hand to support migration and management.

Security

Manufacturing companies are particularly exposed to cyberattacks, research has found,² with risks posed to intellectual property, connected devices and the workforce.

With the right protection and controls in place, you can safeguard your data, support compliance and ensure business continuity.



Viewing connectivity, the cloud and security in isolation will hold back your digital transformation efforts. By bringing them together in a unified strategic move, you'll soon see the benefits.

- Risk protection**
Secure your network and cloud services
- Total confidence**
Optimise your applications
- True adaptation**
Manage traffic and enhance productivity
- Real scalability**
Prioritise visibility and agility for growth
- Simplified management**
Time and cost savings make life easier

A joined-up approach creates an IT environment that's ready to respond to change fast

See what's possible in manufacturing

Lower the risk of disruptive upgrades

Keep production running with as little disturbance as possible, while legacy systems are upgraded or go offline.

How?

The cloud allows for rapid and cost effective testing and deployment, with rapid development cycles taking place in the most cost effective manner.

Expert consultation can identify the best approach and any required mitigations, ensuring a smooth transition. Plus, there's the reassurance of 4G back-up for your network connectivity on your sites if you need it.



Increase volume of production

Maximise output by using data insights to combine orders and share accounts for greater efficiency.

How?

Run multiple workloads simultaneously and share accounts via the cloud to keep downtime and material wastage to a minimum.

Application management and multiple access paths mean you can better balance traffic load and prioritise critical applications in peak periods. What's more, SDN gives insight and control of network utilisation and the ability to flex in line with cloud usage.



Improved visibility

Despite so many moving parts—literally and figuratively—it's possible to stay on top of every part of the production process, without losing sight of security.

How?

The sophisticated tracking and 360-degree view offered by the cloud means all workloads have high visibility and governance. Vodafone also delivers a multicloud platform that sees all workloads managed from one portal for control across the entire estate.

Plus, there's the added flex and control afforded by SDN, and Vodafone is unique in providing the tools to manage both SDN and cloud for a single point of contact for the customer.



Introducing SDN and Cloud & Security from Vodafone Business

SDN

Bring new levels of intelligence, visibility and control to the local and wide area network.

- Customise the network for different sites
- Prioritise traffic and applications on the best performing network paths
- Have more control of the network with our self-serve portal

Cloud & Security

Enable the seamless, secure flow of data between your people, places and devices.

- Establish a flexible, scalable cloud environment
- De-risk your cloud strategy
- Make cloud management simpler and more effective

Why Vodafone?



The UK's best network
Voted by readers of Trusted Reviews*



Super secure
We have successful partnerships with market leading security organisations



Range of solutions
We have a tailored portfolio of cloud, network, edge, IoT and security solutions



Connectivity specialist
We have Europe's largest 5G network* and carry about a fifth of the world's internet traffic



Market leader
A recognised leader in SDN services by Forrester Wave 2020 and Gartner Magic Quadrant for Managed Network Services, 2021



Single point of contact
We keep operations in-house to help you get going faster



Quality cloud connections
We have over 30 Terabytes per second (TBps) of private peering connections to more than 200 content cloud providers

Realise the potential of SDN and Cloud & Security

Want to supercharge your transformation and know more about bringing SDN and Cloud & Security together?

Contact your account manager, or visit vodafone.co.uk/business



1. <https://www.theguardian.com/business/2021/mar/01/all-factory-production-slows-brexit-covid>
2. <https://www.cybersecurity-leaders.com/study-confirms-manufacturing-companies-are-more-vulnerable-to-cyber-attacks/>
* Vodafone received 59.88% of the votes for the "Best Network Provider" category vs competitors, by readers of Trusted Reviews who voted in the Mobile poll. As of October 2020.
† As of 18th Jan 2021