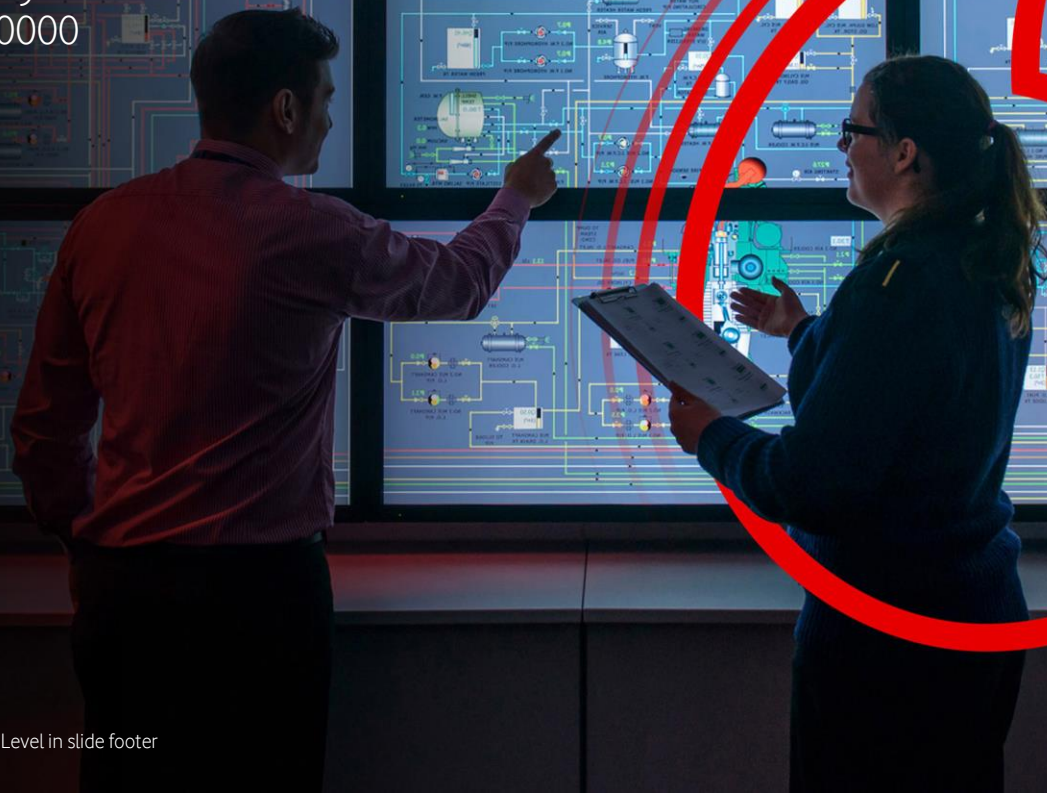


# Vodafone Business Internet Portfolio

Presented by  
00 Month 0000



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# Market trends

1



# Trends in technology

Growth in data, new ways of working and trust in the internet have encouraged organisations to adopt the cloud for flexible, reliable and cost effective connectivity

## Explosion in data



Traffic volumes continue to spiral (40% YoY)  
*(BMM & Gartner)*

## Increase in cloud adoption



Large enterprises aspire to have roughly 60% of their environment in the cloud by 2025 *(McKinsey)*

## Investing in the internet



Internet + SD-WAN is good enough 90% of the time  
*(BMM & Gartner)*

## Rise in remote working



48% of people will work remotely (permanently / some days) post pandemic *(BMM & Gartner)*

## Shrinking network budgets



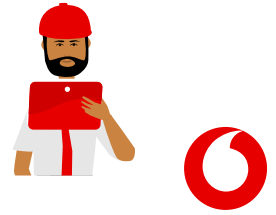
## Network modernisation



## Increase in regulations



## Fears of network outage



# Increasing their reliance on the network



## A faster, more agile network

- On-demand
- Fast provisioning
- Automation & orchestration

Organisations can scale and adapt to change



## High bandwidth and network capacity

- Direct internet
- Cloud access
- Lower cost connectivity

Increase efficiencies by connecting everywhere



## Secure critical comms

- Application visibility & control
- Secure global access from anywhere

Improving accessibility and protection of data



## Innovation at speed

- Choice of vendors
- Open standards
- 3rd party integration

Quickly take advantage of new opportunities



## Secure by Design

- End-to-end embedded security
- Threat detection and protection

Reduce risk and protect reputation



# Vodafone credentials

2



# Vodafone named as a Leader in the 2023 Gartner® Magic Quadrant™ for Network Services, Global – for the 5<sup>th</sup> time!

- Our customers know they can rely on our global network services especially when their business calls for always-on connectivity. With our world-wide coverage we deliver their critical information where it needs to be all the time, every time, anywhere and everywhere.
- We think we have a particular advantage among network services providers because our infrastructure takes in private networks, internet users and mobile endpoints.
- Read what Gartner have to say [here](#)

*Gartner® Magic Quadrant™ for Network Services, Global, Danellie Young, Bjarne Munch, Karen Brown, Lisa Pierce, Katja Ruud, Gaspar Valdivia, 22nd February, 2023*

*Gartner, Gartner Peer Insights 'Voice of the Customer': Network Services, Global, By Peer Contributors, July 2022*

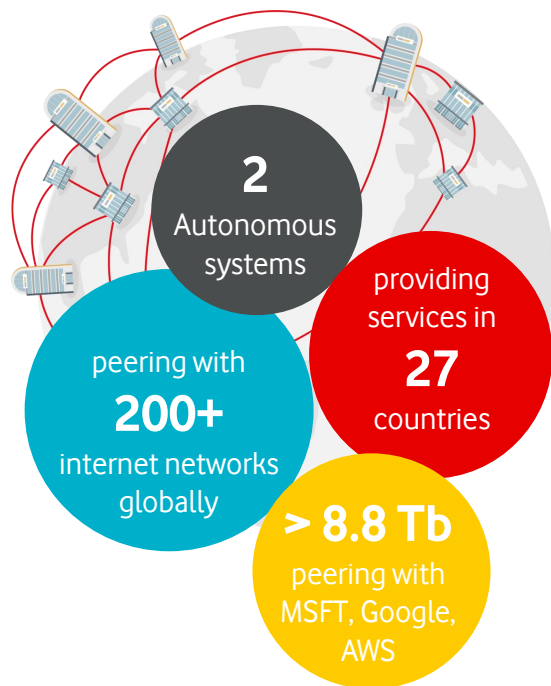
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Figure 1: Magic Quadrant for Network Services, Global

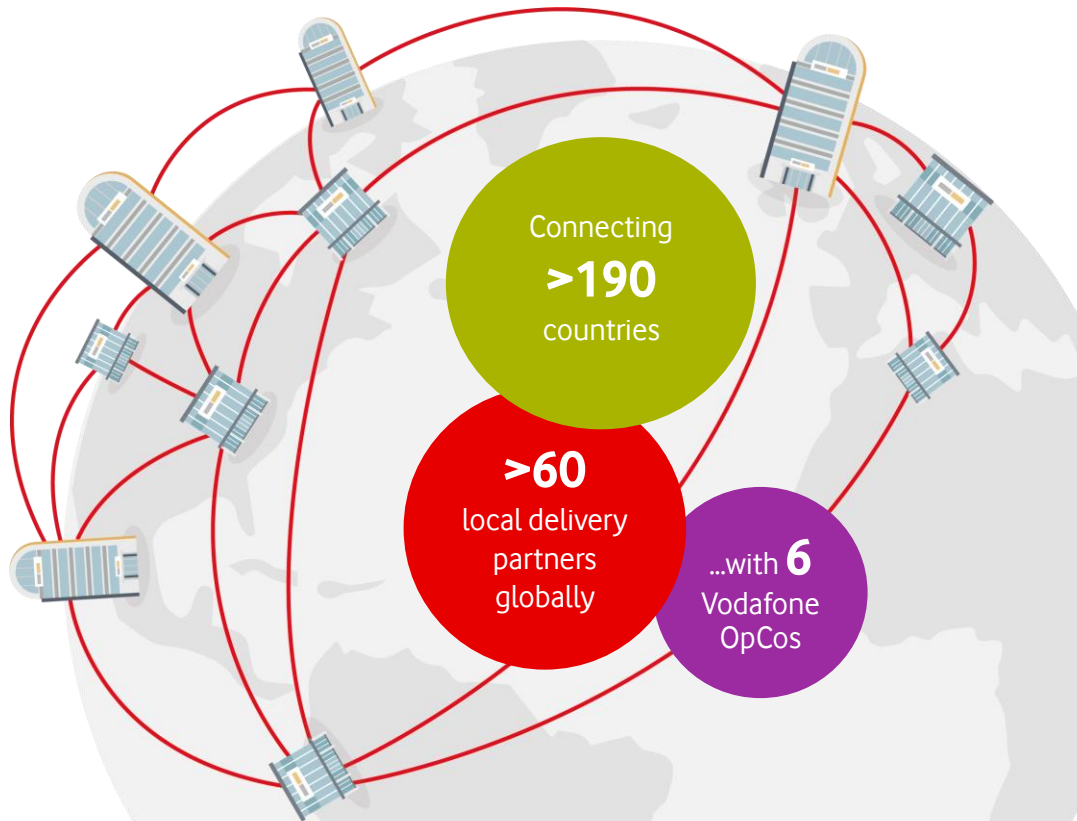


# Our Global Capabilities

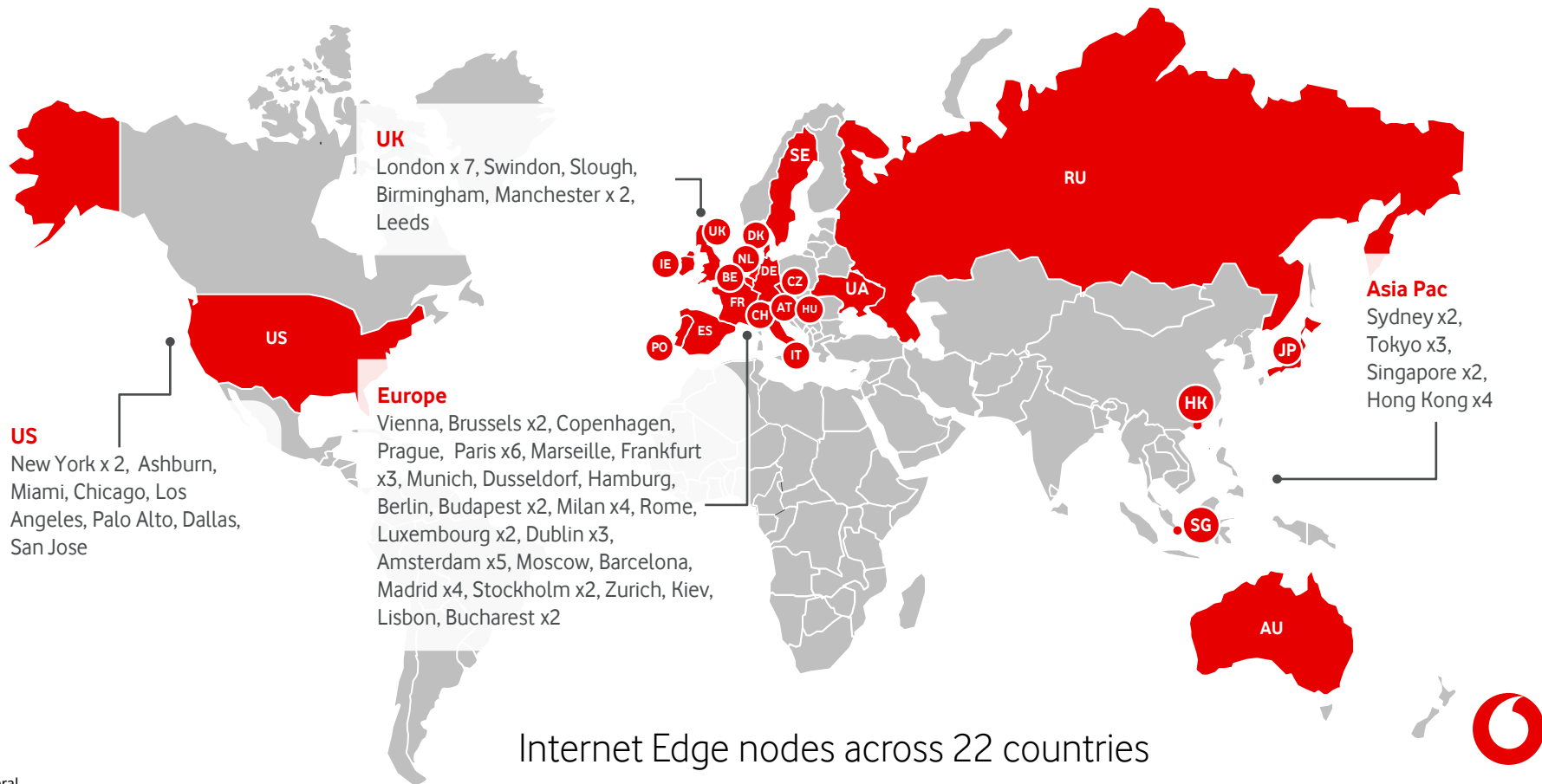
## On-Net DIA & IP Transit



## Global Internet – Partner Broadband & DIA



# Our Global Reach





# Our Internet Services

3



Dedicated Internet  
Access

Vodafone Business  
Global Internet

## Our Internet Portfolio

Vodafone Enterprise  
Broadband

IP Transit



# Resilient uninterrupted connectivity that keeps your data safe

## Reach

Underpinned by our wholly owned global IP backbone we connect you directly with cloud providers. Our portfolio through our longstanding partnerships reaches >190 countries.

## Agility

Choice of connection and speeds that can accommodate peaks in demand in line with your business .

## Flexible Commercials

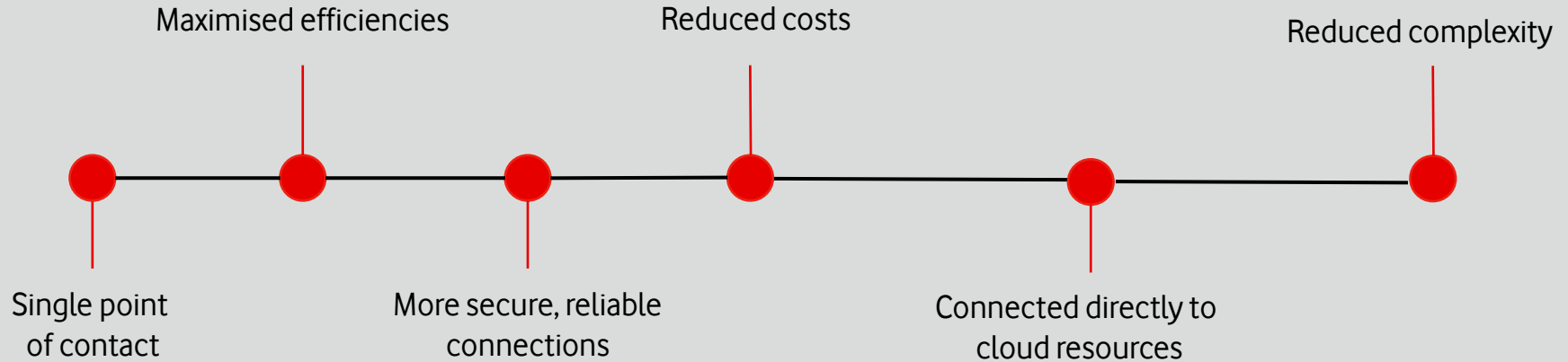
Various service options to meet your budget requirements all supported by a single point of contact for service.

We'll help whether you're hosting a website, making huge file transfers or running real-time applications.

Powered by our reliable internet portfolio and underpinned by our world leading network you have unlimited access even at busy times.



# How the network helps to achieve business goals



As an underlay to SD-WAN, Vodafone Business Global Internet delivers speed with a network that won't hold you back



# Vodafone Dedicated Internet Access (DIA)

Uncontended, unlimited internet access via our hyper-connected, wholly-owned, global IP backbone

- Connect your sites and your teams through a **secure, high-performance** private internet connection
- Symmetrical upload and download speeds from **2 Mbps to 10 Gbps**
- Can be a standalone product or an underlay for **SD-WAN**



## Benefits

- Fast, reliable internet access
- Excellent service experience
- Overall best value
- Performance reporting
- Premium cloud access
- Global reach
- Burstable bandwidth
- Resilience

## Optional extras

- Managed Firewall
- Email and internet proxy filtering

**We've improved the design of our core and our interface with Microsoft, so our service now offers even better resilience, high bandwidth connectivity and consistently high performance.**



# Vodafone Dedicated Internet Access (DIA)

Underpinned by our hyper-connected, wholly-owned, global IP backbone

20%

**We carry over 20% of global internet traffic on our networks**

That's over 12 Tbps of customer traffic, making us a Top 5 Global ISP

45

**We have over 45 Tbps of Private Peering**

Covering 200+ ISPs and cloud/content providers. Over 8 Tbps of this is with AWS, Google and Microsoft

30

**We have over 100 Points of Presence across 30 countries**

Giving us an extensive global footprint



# Vodafone IP Transit

Uncontended, unlimited internet access via our hyper-connected, wholly-owned, global IP backbone

- Connect your sites and your teams through a **secure, high-performance** private internet connection
- Uses point to point Optical access for very low delay and bandwidths up to 10 or 100 Gbps
- Greater separation between DIA and IP-VPN/Switched Ethernet
- Can be a standalone product or an underlay for **SD-WAN**



## Benefits

- Fast, reliable internet access
- Excellent service experience
- Overall best value
- Performance reporting
- Premium cloud access
- Global reach
- Burstable bandwidth
- Resilience

## Optional extras

- Managed Firewall
- Email and internet proxy filtering

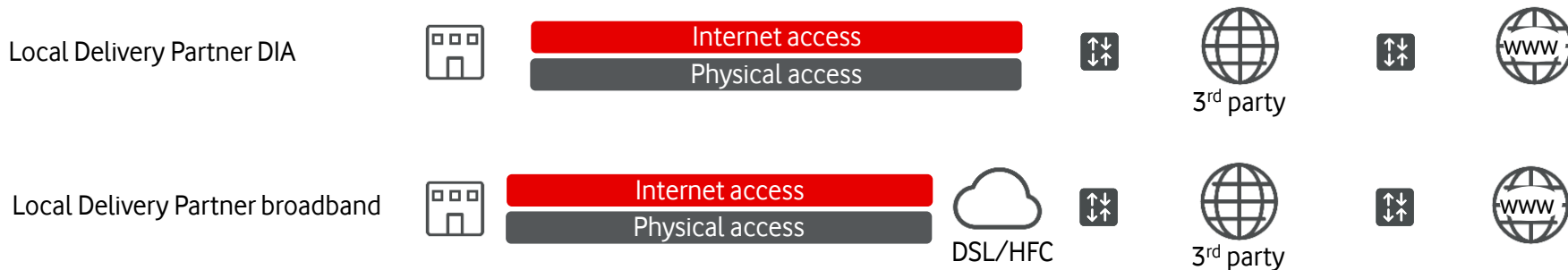
**We've improved the design of our core and our interface with Microsoft, so our service now offers even better resilience, high bandwidth connectivity and consistently high performance.**



# Vodafone Business Global Internet

Cost-effective internet access globally from our local operating companies and partners

- A choice of broadband or dedicated Internet access options
- A single point of contact for quoting, ordering, billing and service management
- Consistent service levels, with a tiered global Service Level Agreement



## Benefits

- Global reach
- Cost-effective broadband options
- Built to support SD-WAN
- Tiered global SLA
- Central service desk
- Single contract
- Central billing
- Fixed IP public IP addresses

## Optional extras

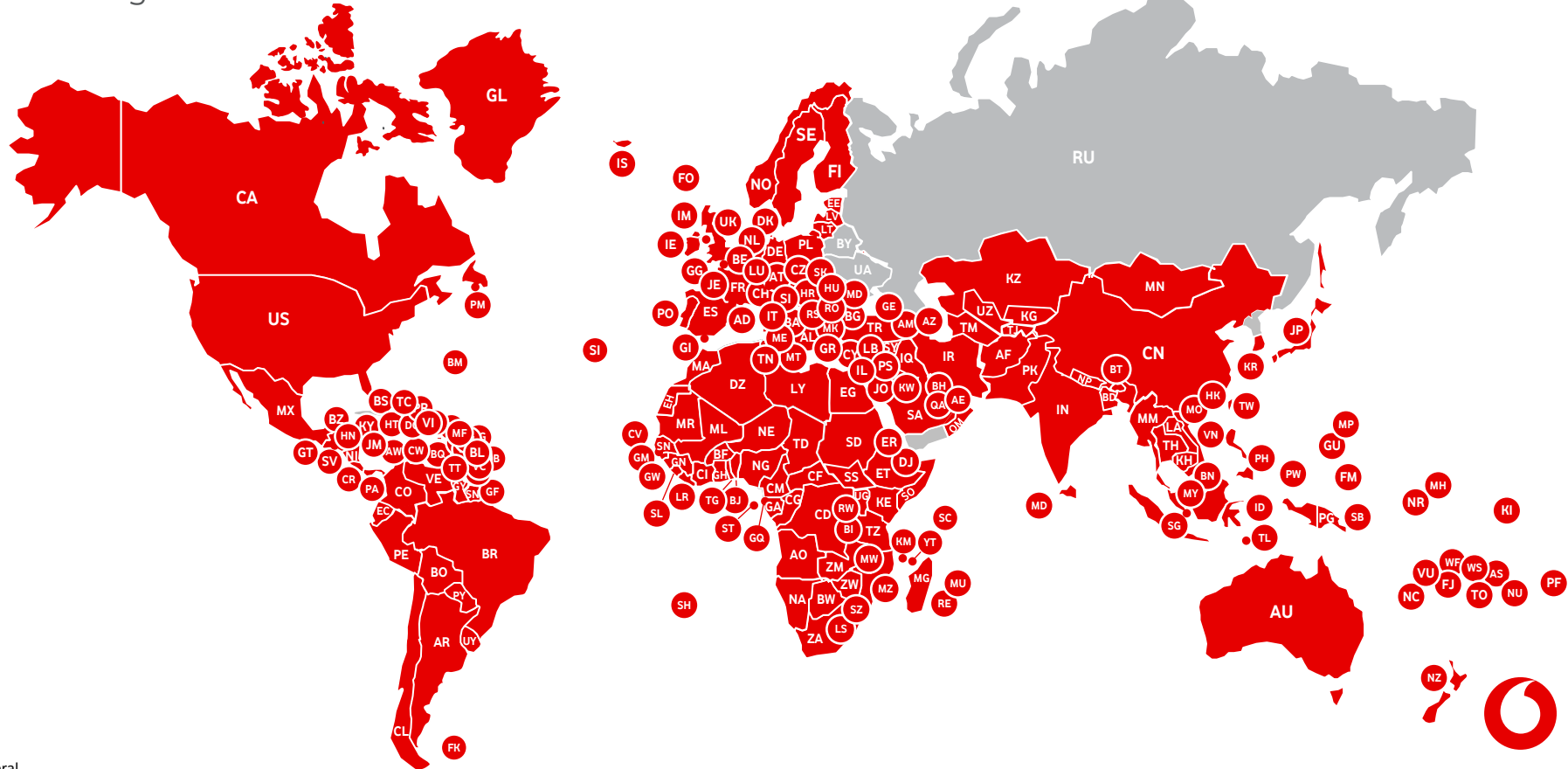
- Managed Firewall
- Email and internet proxy filtering





# Vodafone Business Global Internet Coverage

Delivering Global Internet in more than >190 countries

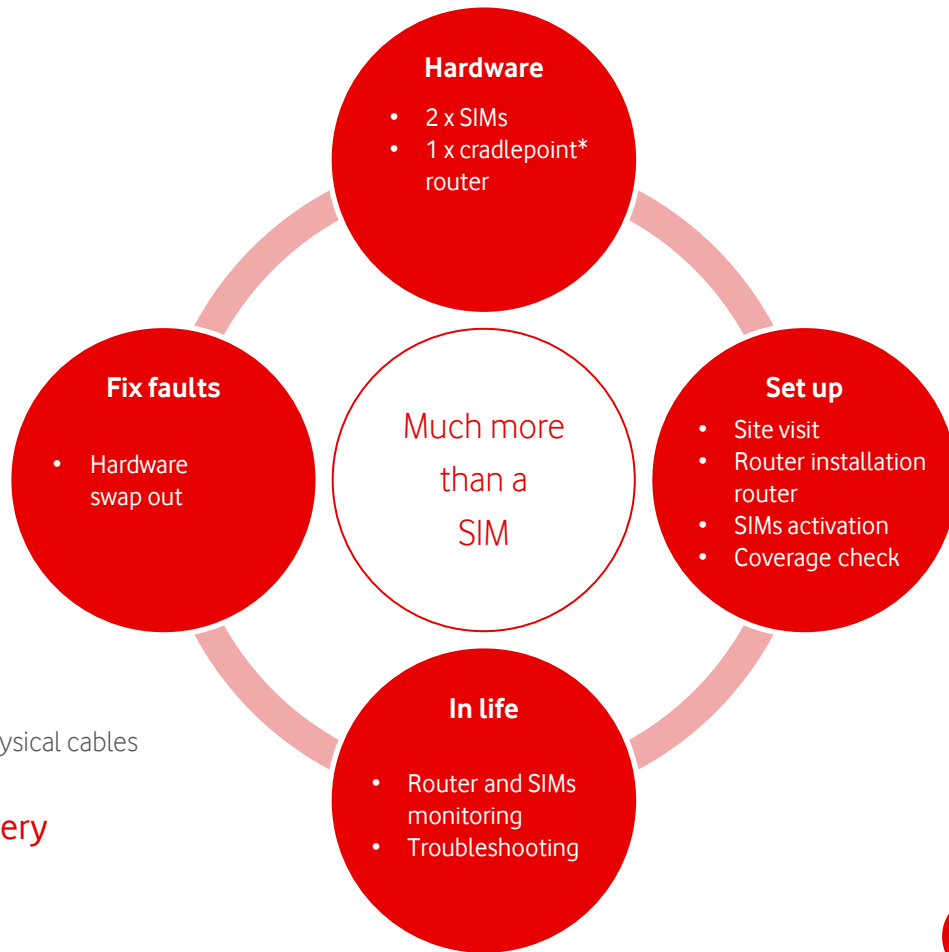


# Fixed Wireless Access

Commonly known as FWA

- **A perfect back-up for your Internet**  
When resiliency is essential for your mission critical information
- **The ideal diversity solution**  
When you need to guarantee connectivity
- **A primary circuit**  
If there's no other fixed circuit available
- **A temporary flexible solution**  
Whilst you await the fixed line implementation
- **Fast and unintrusive installation**  
Helps to overcome the cost, obstacles and lead-times of laying physical cables

You can even use FWA ahead of your fixed circuit delivery  
and then use it as your back up



# Examples of Fixed Wireless Access delivering value for business



RETAIL

## Food & beverage

Operations in over 70 countries, fast-changing retail environment with new store openings, in-store requirements and several pop-up locations. Needed flexible on-demand, non-intrusive connectivity for agility and customer experience

**Results:** Using 4G access means no wiring issues has eradicated all delays and downtime



OIL & GAS

Energy

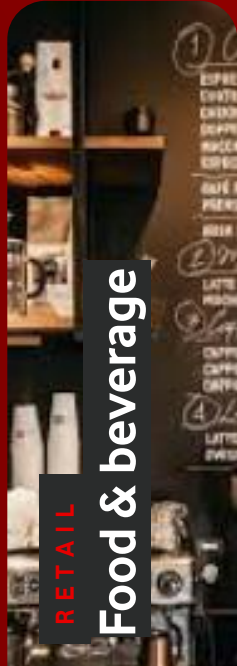


MANUFACTURING

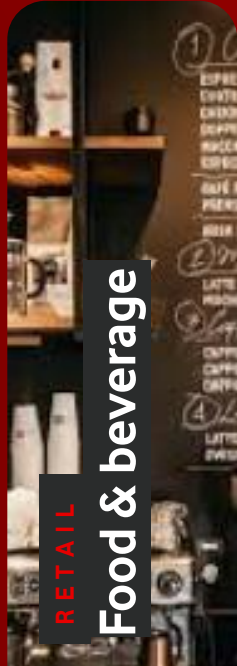
FMCG



# Examples of Fixed Wireless Access delivering value for business



# Examples of Fixed Wireless Access delivering value for business



## MANUFACTURING

### Multinational Food Manufacturer

Operating in 189 countries, with over 447 factories and 1000's of warehouses many in developing countries. 100% uptime was essential for plant and warehouse operations. 2<sup>nd</sup> wired connections for back-up was expensive and not truly resilient.

**Results:** 4G connections were installed quickly and at low monthly cost to provide a remotely monitored back-up solution even in remote locations.



# Vodafone Enterprise Broadband

A range of residential or commercial broadband packages for large enterprises

- Suitable as a standalone solution for Internet Access (eg. replacing DSL)
- For Vodafone Global customers with UK sites that may include residential and small office sites
- Can provide primary or secondary access to the application layer
- A standalone product or an underlay for **SD-WAN**



## Benefits
























- Static IP address
- Support service
- Single account for multiple sites/connections
- VCoP Compliance

## Optional extras

- Ultra smart router



# Feature availability matrix

	DIA	IP Transit	VB Global Internet	VEB
Global network scale				UK only
Single point of ordering				UK sites only
Single contract				UK sites only
Tiered SLA				Standard SLAs
One service wrap covers multiple products				
Central service desk				
Usage based billing				
Enhanced reporting				
Managed services	Optional	Optional		

# Why Vodafone?

4





# Making our secure & connected solutions work together



Mobility

- Device Lifecycle Management
- Vodafone Telephony Reporting
- Vodafone Red & Enterprise Bundles
- Enterprise Managed Mobility
- Managed Messaging
- Bring Your Own X



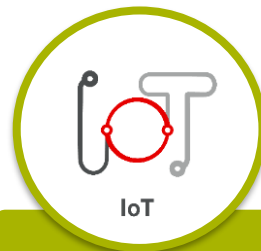
Connectivity

- Mobile private networks
- IP-VPN & Cloud Connect
- Dedicated Ethernet
- Software Defined Networking
- Dedicated Internet Access
- Vodafone Enterprise Broadband
- Network Security & Mobile Data Backup
- Global LAN & Wireless
- SD-WAN



Cloud & Security

- Secure & Connected Cloud Solutions
- Multicloud Platform
- Public & Private Cloud
- Managed Security
- Edge Computing
- Data Analytics & Location Insights
- Mobile Application Development
- Co-Location



IoT

- IoT Solutions & Devices
- Automotive
- Mobile Asset Tracking
- Building Security
- Management Portal
- Dedicated Global SIMs & Network
- Managed IoT Connectivity
- Application development



Unified Comms

- Vodafone One Net Enterprise - Microsoft
- Vodafone One Net Enterprise – Cisco
- Vodafone Meet Anywhere
- Vodafone Contact Centre
- Global SIP
- Network Mobile Recording



Professional & Managed Services

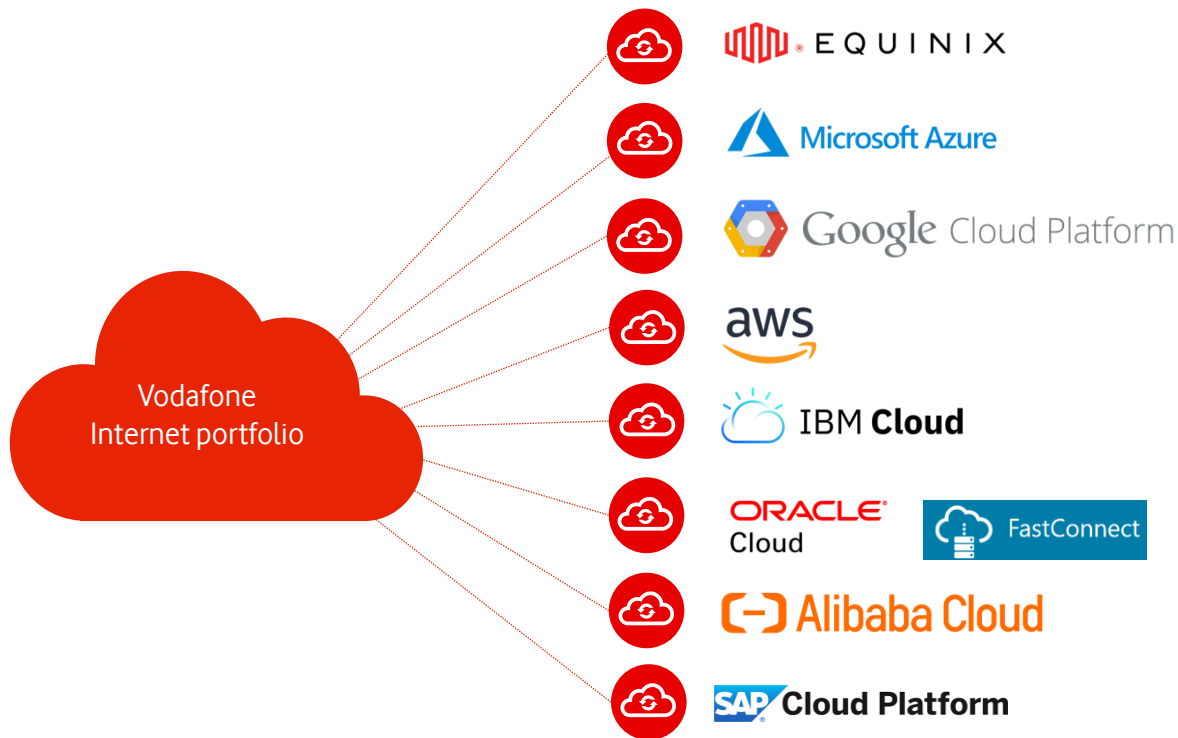
- Innovation Workshops
- Consulting Services
- Business Impact Assessment
- Network Discovery & SDN Readiness
- Workplace Assessment
- Benefits Realisation Assessment

**Carrier Services: Connectivity, Voice & Messaging**

**...so you can progress and thrive**



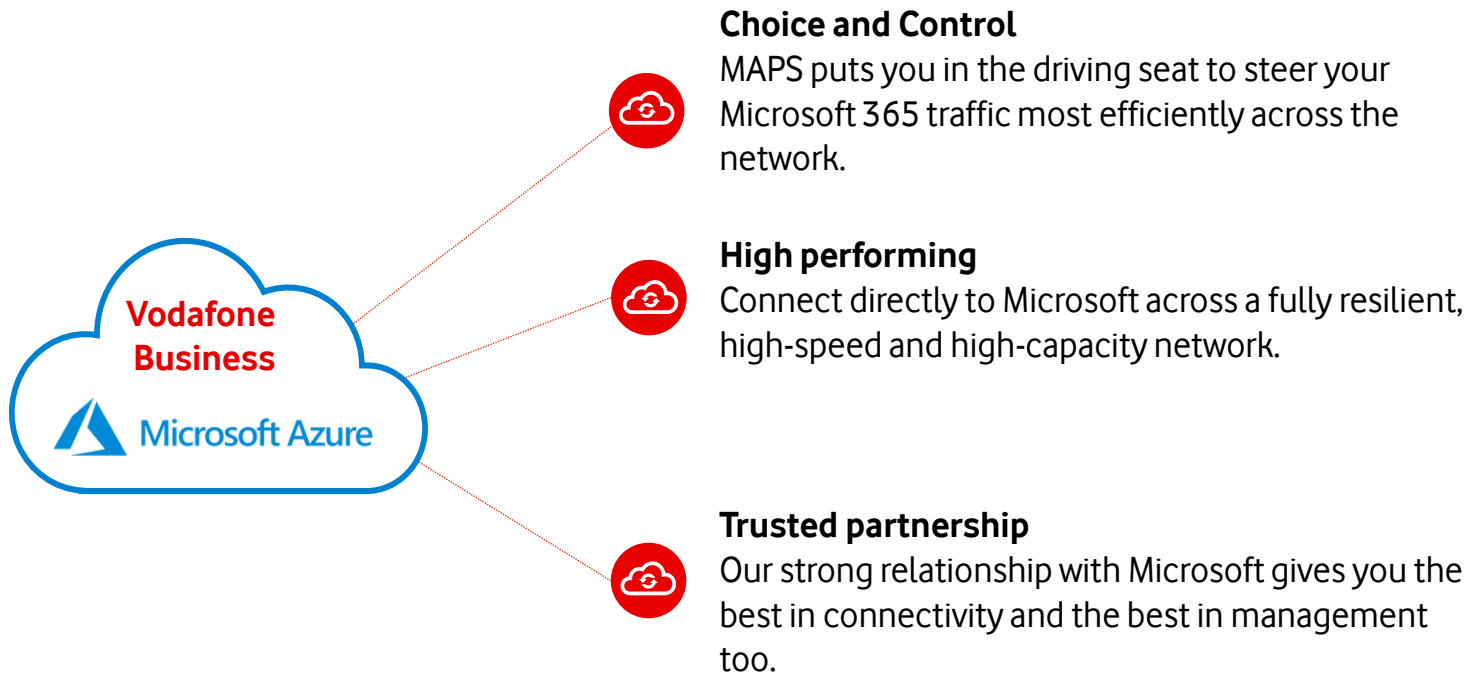
# Our partners



Leveraging our partner relationships we are constantly enhancing our services.  
Keep an eye out for innovation announcements coming soon



# Vodafone is now Microsoft Azure Peering Services (MAPS) accredited



**Even more reason to choose Vodafone Business DIA and IP Transit**  
**Existing customers can opt-in now**



# The Power of our Partnership

















**30+ Vodafone/Microsoft** peering  
points across Europe and Asia Pac help to improve your  
Microsoft experience

With our MAPS enabled internet product, all it takes is **1**  
**single hop** for traffic to reach Microsoft.

Just a few of the **1000s** of ISPs in the world have  
this accreditation



# Unrivalled fixed and mobile scale for network services

<b>1m+</b> Kilometres fibre assets		<b>74</b> Country IP- MPLS network		<b>No.1</b> International voice carrier		<b>22k+</b> WAN customers	
<b>26</b> Country DWDM network		<b>26</b> Country PAN Africa network		<b>TOP 5</b> Global ISP		<b>16k+</b> On-net buildings	
<b>80</b> Cable systems		<b>1897</b> Ethernet POPs		<b>18.5m</b> Broadband / NGA subs		<b>&gt;500k</b> Managed routers	
<b>738</b> Domestic DWDM POPs		<b>17</b> Domestic MPLS networks		<b>13</b> Countries with 4G WAN access		<b>524m</b> Mobile customers	



# Why Vodafone Business Internet portfolio?

We believe that the network is the backbone to your ambition



## Effortless journey to the cloud

Innovate at speed with a network that won't hold you back and lay the foundations for cloud-based applications – including digital productivity solutions such as O365, CRMs such as Salesforce, and Unified Comms platforms



## A future proof network

Vodafone constantly develop and build a future-proof, agile network. This requires a rethink of the network foundations combining the public internet and private networks for maximum scalability, security and cost effectiveness



## One stop shop

If you want a single circuit or you want your entire global internet connectivity, Vodafone have you covered. In addition to our superior internet coverage, we have an extensive global connectivity portfolio that can be purchased from Vodafone.



# Use Cases

5



# Use Cases

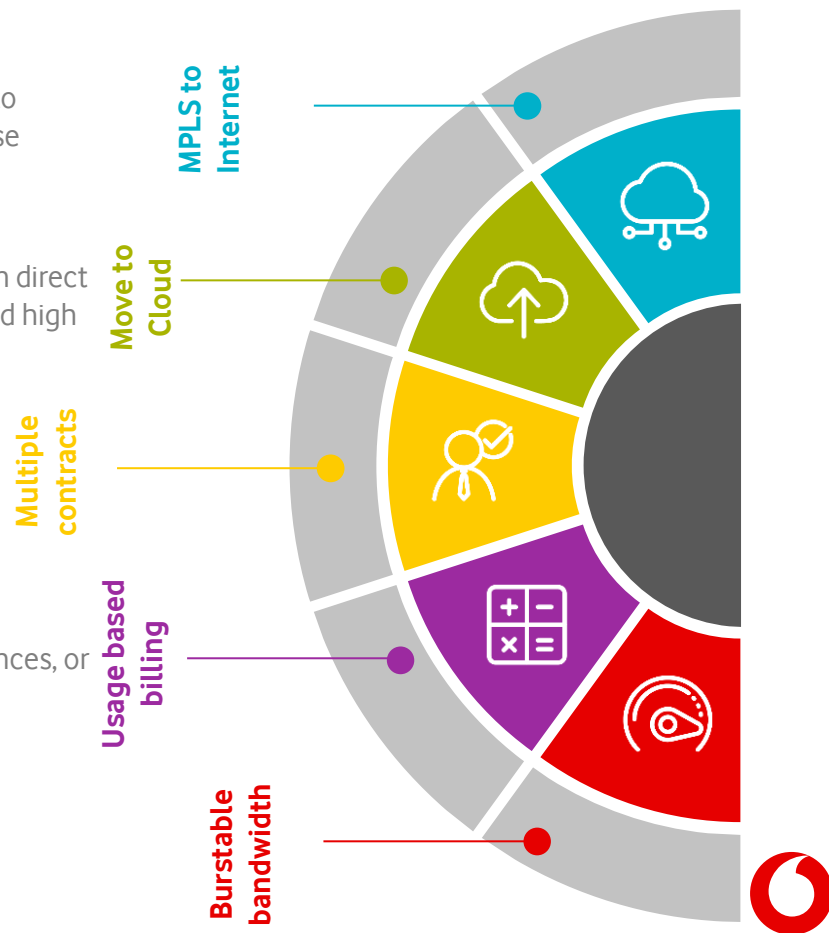
As trust in the internet grows organisations migrate from traditional IP-VPN to Vodafone SD-WAN over global internet. Those with their own SD-WAN can use Vodafone Global Internet services as the underlay.

When adopting cloud-led technologies, organisations look for solutions with direct internet connectivity for maximum application performance, low latency and high resilience. Vodafone Global Internet services can achieve this.

Managing multiple contracts with different service providers is time consuming. Vodafone can help by bringing them all together under one roof.

Cost efficiency for organisations who expect large fluctuations in bandwidth demand over relatively short periods of time such as during events, conferences, or when using subscription-based services (e.g. live streaming events)

Perfect for organisations who occasionally need more bandwidth than usual but don't want to pay for the top end speed.





# Success Stories

6



# Vodafone Business Global Internet | Manufacturing

Our global customer needed global internet access for their Viptela SDWAN rollout across Europe, APAC, MEA and Africa.

Why they chose Vodafone:

- Long-standing relationship
- Low price
- 1 year contract

**8** countries

**33+** sites

**Impact = Reduced costs**



# Vodafone Business Global Internet | HR Services company

Our global customer needed consumer grade internet for multi-country sites across Europe.

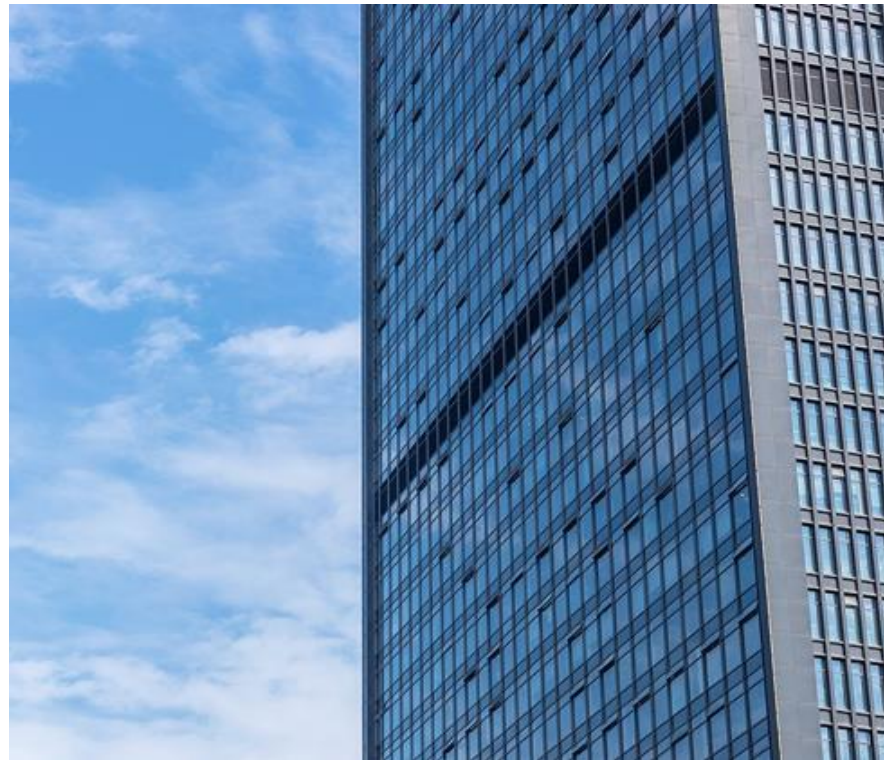
Why they chose Vodafone:

- Already a fixed and mobile customer
- Long-standing relationship
- Low internet resell prices
- Ability to managing the total fixed estate in the future
- 3 year contract

**4** countries

**100+** sites

**Impact = Improving efficiencies through consolidation**



# Vodafone Internet | Online Game Provider

The customer needed reliable connectivity for instant data uploads and online broadcasts.

- Vodafone's internet solution has provided a fast and reliable internet connection that scales when more bandwidth is required
- "We are especially grateful for the rapid installation of the new service as we are producing shows everyday, the transition had to be really quick."

**1** country

**1** site

**Impact = Improved scalability**





**vodafone**  
business

Together we can