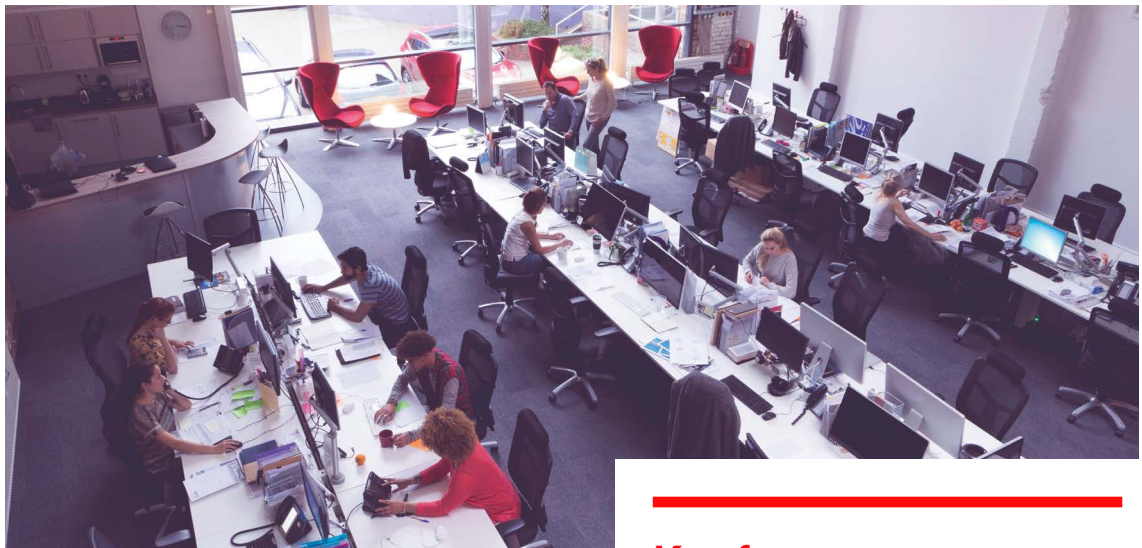# HIGH CAPACIT Y SERVICES

HANDLING THE BIG STUFF

Your business relies heavily on the network and its ability to tackle seriously high levels of data traffic. It has to work all day, every day, even though gigabits of information are being moved every second. And a lot of that information hasn't got time on its side. It has to get from A to B right now.

All of this would be easier to do with a super-fast, always-on fibre-optic network. A lifeline that's able to cope with massive volumes, multi-protocol connectivity and low-latency transmissions.

That's where our High Capacity Services come in. Our solutions have been designed for Storage Area Networking, WAN environments and other data transmission needs where bandwidth-hungry and time-sensitive information is involved.

You also won't have the eye-wateringly

high cost of installing and maintaining your own network. And with our High Capacity Services, you'll always have the latest and greatest technology capability. Put simply, no matter how much the world's data technology advances, you'll be right there, keeping up.

Key facts

Get point-to-point connectivity which is ideal for data-heavy applications and services that require low latency and high levels of security.

- Enjoy dedicated support services that have been set out in our Service Level Agreements (SLAs).

- Get better coverage and reach of key communication facilities thanks to our extensive access to major UK Data Centres, Telehouses and BT exchanges.

- Use multi-protocol connectivity, including storage, LAN/WAN connectivity and video.

- Receive tailored project management services to ensure we meet our agreed deadlines.

- Benefit from a flexible network infrastructure. This means your network can adapt to your needs, whatever the future holds.

High capacity. Higher productivity.

Our High Capacity Services are ideal for businesses that handle huge amounts of data, and where low latency is an absolute must. The benefits can be used on various kinds of business solutions, including:

- Connecting multi-protocol storage environments over long distances.
- Extending your LAN environment across the UK, at 1Gbit/s or faster.

Our High Capacity Services use Wave Division Multiplexing technology, so your network acts like an adrenalin-charged multi-tasker. The system runs faster and supports multiple applications over a single connection. The network is also more reliable, so your business can stay up and running – all day and all night.

Our High Capacity Services are also fully managed and maintained by us 24/7. So your IT people are no longer caught up in handling this themselves and are now free to focus on other tasks.

Your options

Our High Capacity Services are designed to help your business cope with the ever increasing bandwidth demands of the 21st century. Here's an introduction to two options within our High Capacity Services portfolio:

1. In the Zone: Dedicated High Capacity Services

This service was purpose-built for sites that are within 100km of each other. It's an ideal solution for businesses that use massive amounts of data, where high security is essential, and is flexible enough to change as your business changes. It's an ideal solution for Data Centre connectivity, it offers up to 80 individual 10Gbit/s circuits between two points. The cornerstone of this service is its ability to handle multiple protocols and huge data traffic at set prices.

2. On a Large Scale: National High Capacity Services

With this service you get all the great benefits of Dedicated High Capacity Services but with one major difference. You can connect multiple sites that are at opposite ends of the country, at speeds from 1Gbit/s up to 10Gbit/s.

High capacity services at a glance

	Dedicated	National
Configuration	Dedicated fibre based; Non-switched point-to-point service	Optical network based; Deterministic; Non-switched point-to-point service
Speeds and technologies	1Gbit/s and 10Gbit/s Ethernet; STM – 1, 4, 16 and 64; Fibre Channel 1Gbit/s, 2Gbit/s, 4Gbit/s, 8Gbit/s and 10Gbit/s; FICON 1Gbit/s, 2Gbit/s and 4Gbit/s; ESCON	1Gbit/s and 10Gbit/s Ethernet; STM – 4, 16 and 64; Fibre Channel 1Gbit/s, 2Gbit/s and 4Gbit/s; DVB – SDI/ATI 270Mbit/s and SDI HD 1.5Gbit/s
Scalability	Up to 400Gbit/s between sites	Supports multiple service delivery
Resilience	99.9% up to 99.999%	99.9% up to 99.999%
Availability	National, with a maximum site-to-site radius of 100km	National
Protocols supported	Ethernet, SDH, SAN	Ethernet, SDH, SAN and Video
Latency	Ultra low latency with target sub 3ms (one way)	Low latency with target sub 5ms (one way) throughout the UK
Maxm Transmission Units (MTU)	No constraints	No constraints
Power and space	Choice of NTUs, all with low power consumption characteristics	Choice of NTUs, all with low power consumption characteristics

To find out how we can help you just give us a call on 0800 052 0800 or visit virginmediabusiness.co.uk