



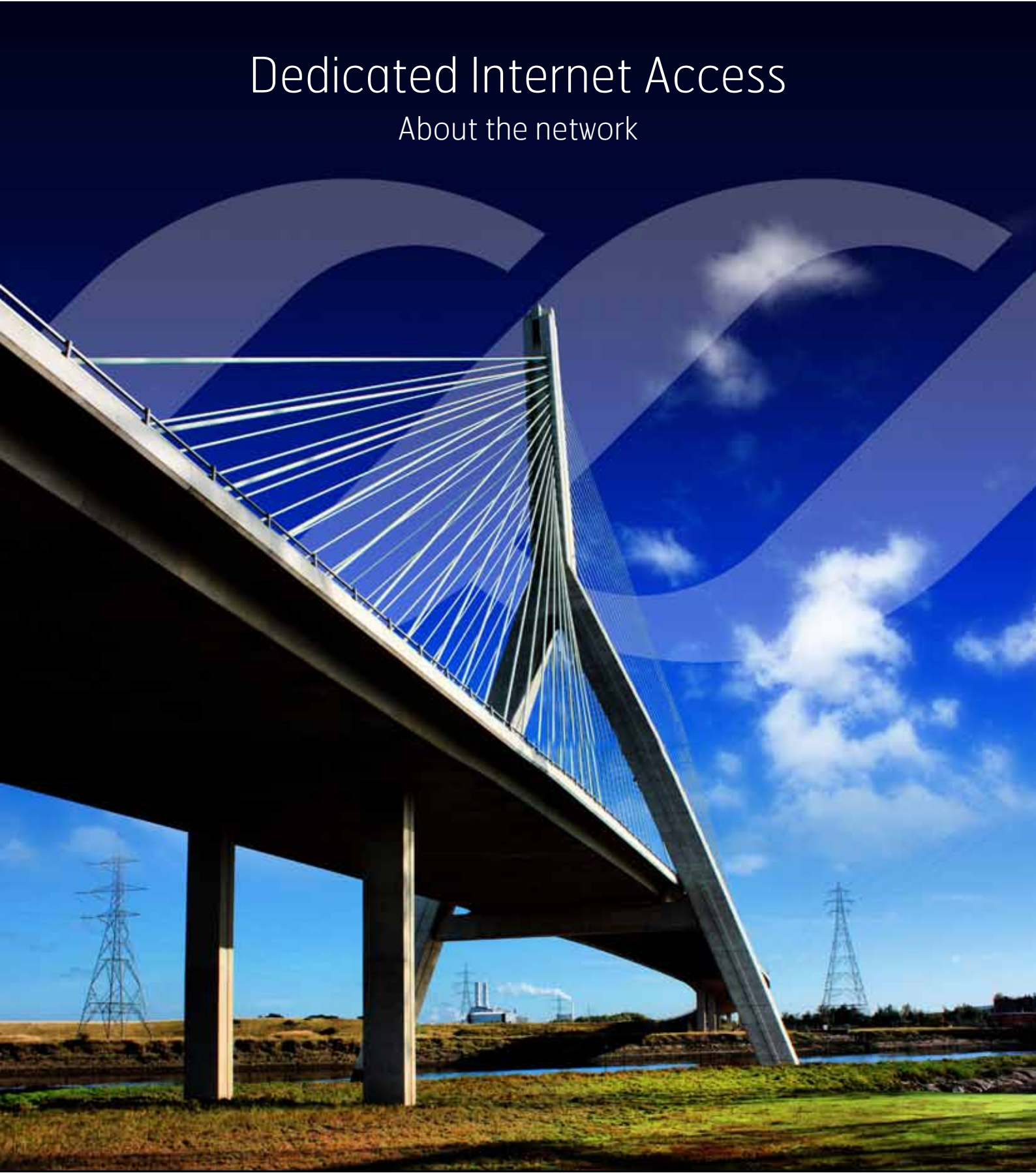
fibreWales



local network global reach

Dedicated Internet Access

About the network



fibreWales.com



Dedicated Internet Access

Permanent High Speed Internet

A need for speed

Nobody can deny that the internet has transformed the way we do business today - we take e-mail and the ability to exchange data for granted.

In recent years ADSL broadband has become the connection of choice for most. Driven by the need for speedier connections businesses have thrown out their old modems and slower leased lines in favour of cheaper ADSL connections.

The increasing move to the use of online services and the ever expanding range of services available make it all the more important that a business has a reliable and fast internet connection but this has introduced a dilemma.

The problem

While it works just fine for home use, for business ADSL just doesn't cut it. Claimed speeds are rising but actual speeds appear to be decreasing. Connections claimed as "always on" seem to be the opposite at times and even so called "business ADSL" services are not immune from problems.

Lines are shared or contended with other users, and transfer limits are creeping into service contracts, restricting the amount of data that can be transferred.

Faster ADSL services are being developed and rolled out across the UK but they also suffer from the same problems.

Our lifestyle gain, our business loss?

In North Wales business has been disadvantaged by our geography and the distances of our towns and cities from the high speed exchanges.

While we live and work in sight of some of the most breathtaking scenery in the country, our wide open spaces have been less attractive to commercial telecoms operators who favour the more crowded and so more lucrative towns and cities into which they have laid their cables and delivered their higher bandwidth services.

The alternative has always been a traditional leased line, but the costs have always been much higher than many were prepared to stand.

Leased line services have been historically costed by the mile - the distance from the closest exchange, which for internet service has often been Liverpool or Warrington!

The solution

At last there is a solution. North Wales has a new high speed network called Fibrespeed and a dedicated service provider to deliver fast permanent and dedicated internet access - Fibrewales.

Permanent always on and fully managed services with speeds ranging from 10Mbps to 1 Gbps are now available.

The Fibrespeed project

What is Fibrespeed?

An innovative network

The FibreSpeed project is a truly innovative collaboration between the private and public sectors to develop world class communications services in North Wales and help drive the local economy well into the 21st century.

Financing for the project was provided jointly from the European Regional Development Fund (ERDF), the Welsh Assembly Government and Geo to provide an optical fibre network serving North Wales, linking back into Manchester and delivering modern broadband communications as part of meeting the Welsh Assembly Government's economic objectives for the region.

This initiative is a huge development for North Wales, which until now has lagged behind much of the UK in its ability to service the local community with access to high bandwidth services.

The Fibrewales network will initially link 12 strategic business parks in North Wales, with two more being developed in line with Government's development plan, potentially expanding to incorporate around 50 locations across Wales by 2010.

When fully completed, it will equip Wales with a robust telecommunications infrastructure capable of supporting some ambitious objectives.

Locations

The Fibrespeed network spans the length of North Wales from Wrexham extending as far as Caernarfon and Holyhead

Each of the strategic business parks in the list below is serviced by a Point Of Presence (POP) from which Fibrewales is able to provide high bandwidth services either over fibre or via wireless links including microwave.

- Ty Mawr Anglesey
- Llandudno Junction Conwy
- Parc Caer Seion Conwy
- St Asaph Business Park (including OPTIC Technium) Denbighshire
- North Wales Business Park Denbighshire
- Deeside Industrial Park Flintshire
- Hawarden Business Park Flintshire
- Warren Hall Flintshire
- St Davids Park Flintshire
- Parc Menai (including CAST Technium) Gwynedd
- Victoria Dock, Caernarfon Gwynedd
- Parc Bryn Cegin Gwynedd
- Wrexham Industrial Estate Wrexham
- Wrexham Technology Park Wrexham

For businesses beyond the range of the local fibre access circuits and beyond line of site of microwave, Fibrewales will also provide service by utilising Short Haul Data Services (SHDS) connecting back to the closest POP or where practical via other wi-fi technologies.

By utilising either one or a combination of the services we are able to service the needs of a much larger area of North Wales than those directly serviced by the network.

The Network

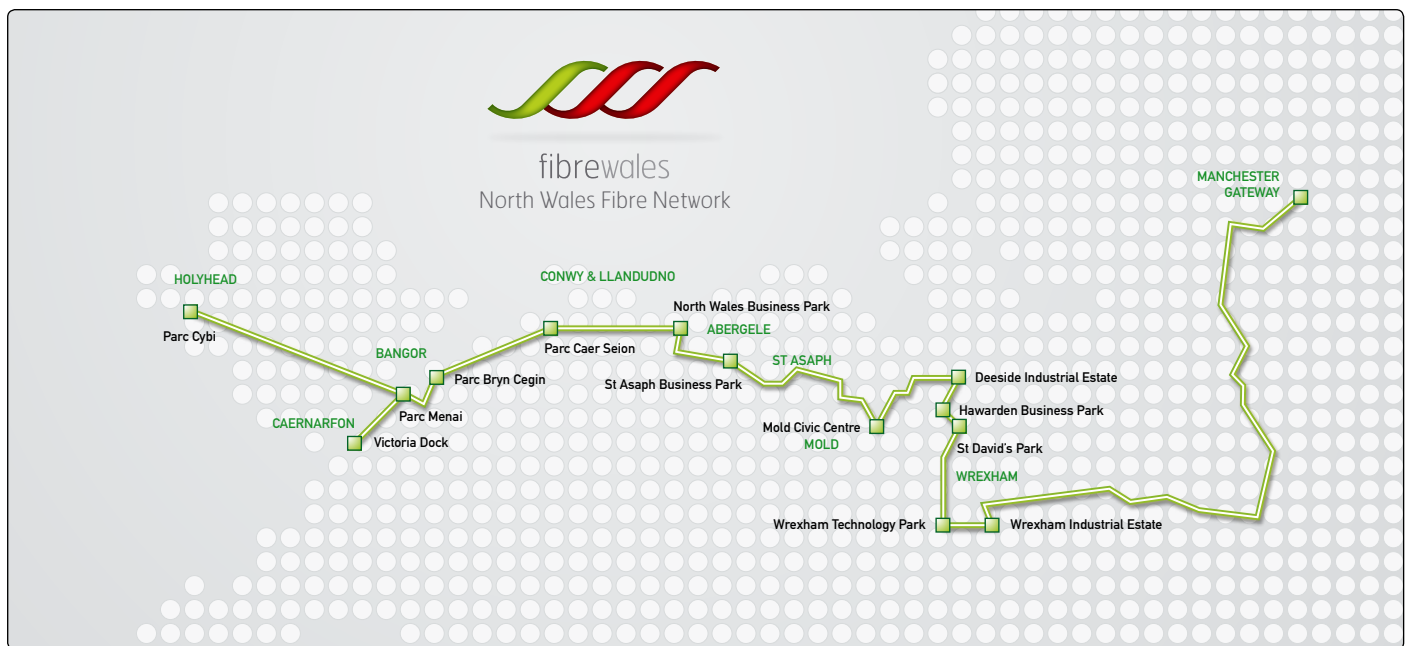
Across North Wales at the speed of light.

A fast network

The map below shows each of the initial Points of Presence or POPs from where Fibrewales can deliver services to organisations within that area by either a further fibre optic or microwave radio link.

The network is already evolving with works underway to continue extending west. As demand increases additional points off the network are expected, as are expansion to the initial services on offer.

Fibrewales is already exploring the possibility of service expansion into the surrounding rural communities ensuring home users are also able to benefit from the faster speeds available.



From Wales to the World

At the end of the eastern end of the network, Fibrewales connects out to the world directly at our data center locations within Manchester and London.

From these locations we also provide the internet hosting services we offer to both individuals and blue chip organisations.

With both cities at the core of UK internet backbone a fast transition out to the rest of the UK and the World is assured.

Our high speed network links to other Tier 1 internet service providers via dedicated links and peering partners at most of the UK internet exchanges ensuring high speed delivery of data.

All network and customer connections are monitored from our St Asaph offices from where our experienced network engineers are on hand around the clock to provide support to our customers.



FibreWales

Local network, global reach.

About us

FibreWales is a dedicated Welsh service division of Internet Engineering Ltd, a leading UK internet service provider solely committed to providing high speed managed network services and bespoke IT and data solutions into Wales.

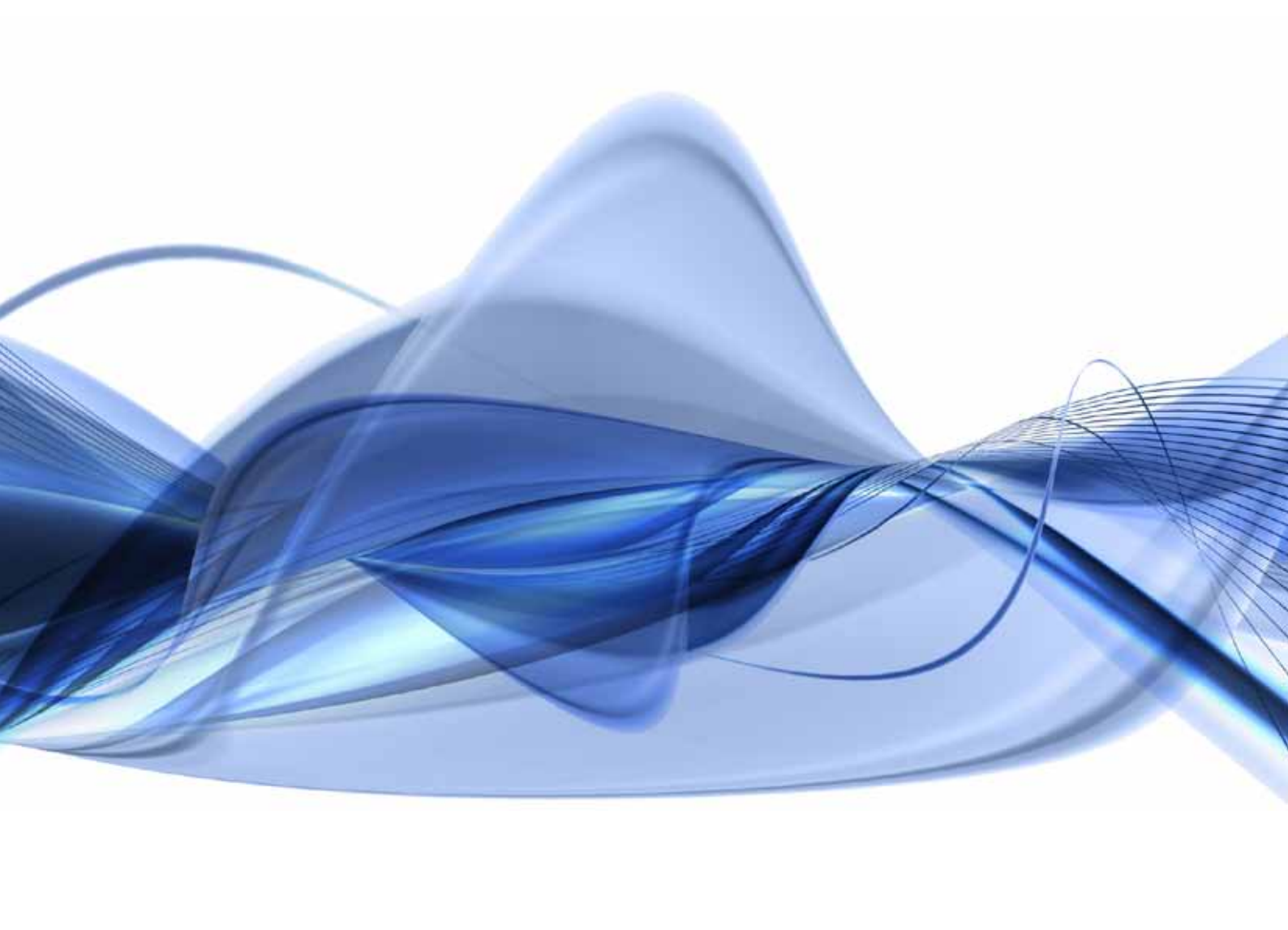
We have over ten years' experience as an Internet Service Provider (ISP) trading under the name Hosting UK and have built up a wealth of experience in delivering high speed demanding network services and excellent support.

As a Microsoft Certified Partner the company employs talented Microsoft Certified Systems Engineers and Cisco qualified engineers and is committed to delivering

excellence across its range of services.

With clients ranging from private individuals to multi-national organisations, access to our own national and partner networks across the UK and over ten years' experience delivering a range of network services and hosted solutions we are ideally positioned to provide a range of managed network, internetwork and data solutions including solutions tailored to your own exacting requirements.

Incorporated in 1998 Internet Engineering is a privately held, privately funded company located on the St Asaph Business Park, North Wales.



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