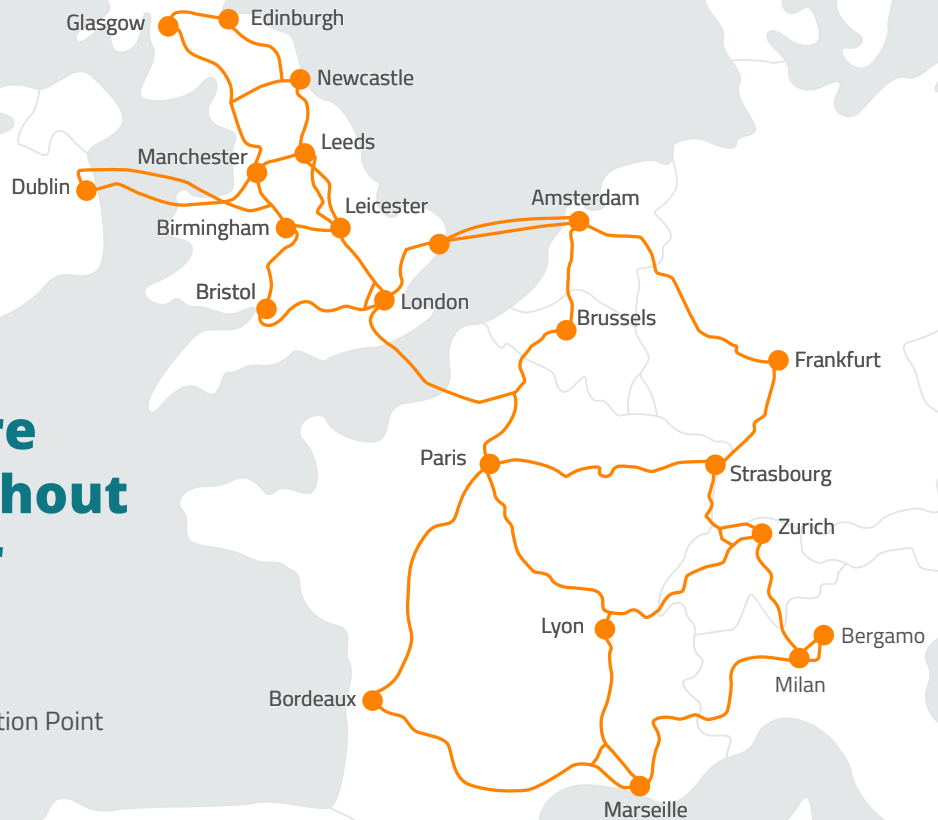




Private Networks

**Your own
dedicated fibre
network—without
the friction or
complexity**

- Long Haul Dark Fiber Termination Point
- Long Haul Dark Fiber



The way you move your data from A to Z is a critical business decision

Buying wavelengths off the shelf can be the simplest answer, but it can be hard to scale capacity when your traffic grows. Dark fibre can give you more flexibility, but managing it requires skills that are hard to find.

A Private Wavelength Network (PWN, sometimes called a MOFN) managed by Zayo Europe, sometimes offers the best of both worlds. You get your own dedicated fibre route that can scale capacity as needed, without the friction and complexity of building, lighting and managing it yourself.

Zayo Europe at a glance

2.3m

km of fibre across Europe

400G

fully-enabled network

11

European countries
connected by Zayo

600+

data centres
across Europe

The benefits

Whether you're a hyperscaler, enterprise or wholesale carrier, a PWN offers three key benefits:



1. Instant scalability

Unlike off-the-shelf wavelengths, with a PWN you get one or more fibre pairs dedicated solely to your business.

That means you can scale capacity instantly, whenever you need to, up to the limit of the fibre pair.

So you never lose weeks waiting for a new service to be turned up, or for a new card to be sent out.



2. Expert management

Managing a fibre network is specialist work, and skills are hard to find and costly.

With a PWN from Zayo Europe, our experts manage your optical network for you—and our Network Operations Centre (NOC) is there for you 24/7.

So you never have to worry about hiring, retaining and upskilling the talent to keep your network running.



3. Extra-strength security

If your data needs protecting at all costs, having your own private network provides extra assurance.

With a dedicated PWN, you get a ringfenced fibre network that insulates your data from all other traffic.

And with a PWN from Zayo Europe, you can also choose Layer 1 encryption to keep your data extra safe.

PLUS: Leave the UK fibre tax to us.

If you're operating in the UK, the business rates associated with lighting fibre can be a hefty added overhead, especially if you're going long-haul. With a PWN from Zayo Europe, we pay the tax, so you accelerate your time to value—and avoid the self-reporting headaches, too.

What we offer

A Private Network from Zayo Europe gives you the performance and control of dark fibre without the complexity of operating it yourself.

With fibre and equipment dedicated 100% to your organisation, a Private Network from Zayo Europe eliminates the congestion, unpredictability, and third-party risks of lit services. Available on both metro and long-haul routes, this fully managed solution delivers secure, scalable connectivity – built for high-capacity, mission-critical environments.

Choose from two Private Network architectures

Private Wavelength Network (PWN)

Layer 1 optical infrastructure for higher bandwidth and metro or long-haul network needs.

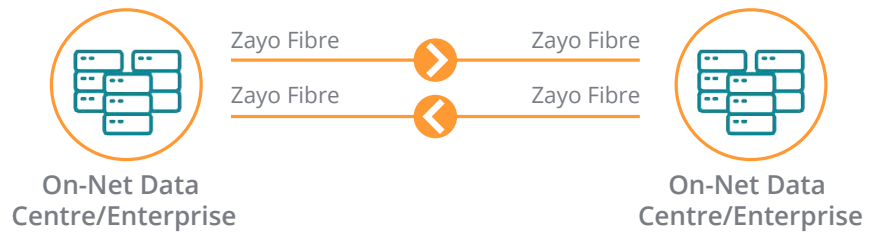
Private Data Network (PDN)

Layer 2/3 Ethernet-based connectivity for an easier, efficient, and more secure metro solution.

Choose from three Private Network configuration types

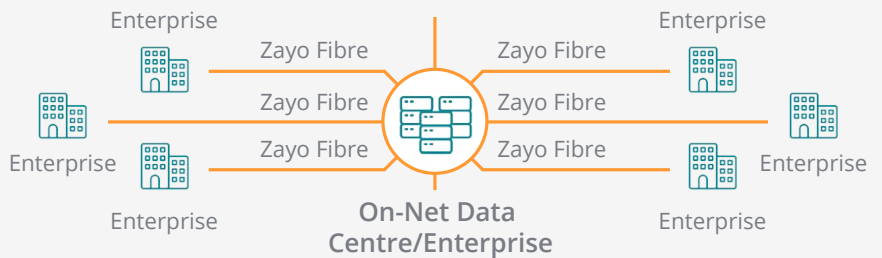
Point-to-Point

- Connecting two or more locations
- Simplest network available



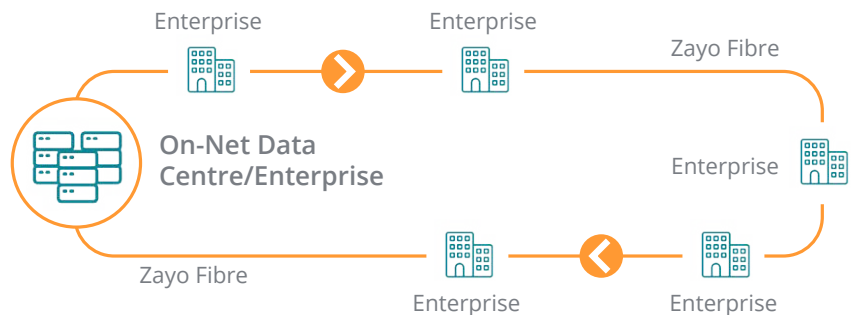
Hub-and-Spoke

- Connecting multiple locations each back to a hub site
- Dedicated fibre to each end-point for a simple design and effortless troubleshooting



Ring

- Connecting multiple sites with a fibre ring
- A reliable solution for multiple locations that protects against fibre cuts



Dedicated fibre & equipment

for maximum resilience and privacy

99.99% uptime

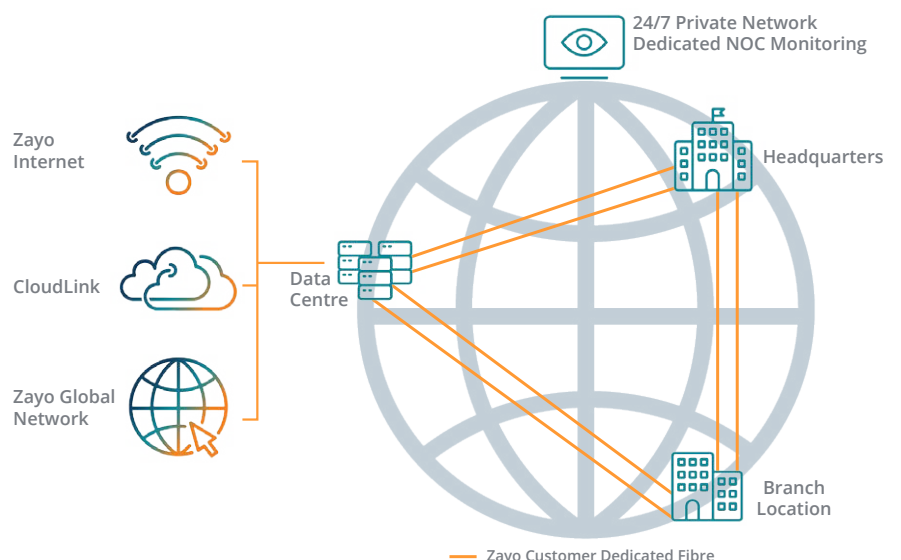
on all underground Zayo Europe fibre

24x7x365

management support from Zayo Europe's Network Operations Centre (NOC)

Example Private Network configuration

Connecting a data centre to a headquarters and branch location



How you benefit



Simplify operations

with a fully managed solution: design, equipment, deployment, and support all included and seamless activation.



Eliminate congestion

and variability with fibre and DWDM gear dedicated exclusively to your business.



Choose your architecture

point-to-point, hub and spoke, or ring design.



Seamlessly migrate

to dark fibre over time, with no need to rip and replace when you're ready.



Extend your Private Network

across long-haul routes with Zayo Europe's exclusive economical PWN model, enabling private backbone infrastructure at a cost competitors can't match.



Pick the network type that fits

Layer 2/3 PDNs for Ethernet-based metro connectivity or Layer 1 PWNs for scalable, long-haul transport.



Start building a Private Network that scales with you

Whether you're looking for a long-term Private Network or a turnkey path to dark fibre ownership, Zayo Europe gives you the flexibility to choose how, when, and where you scale.