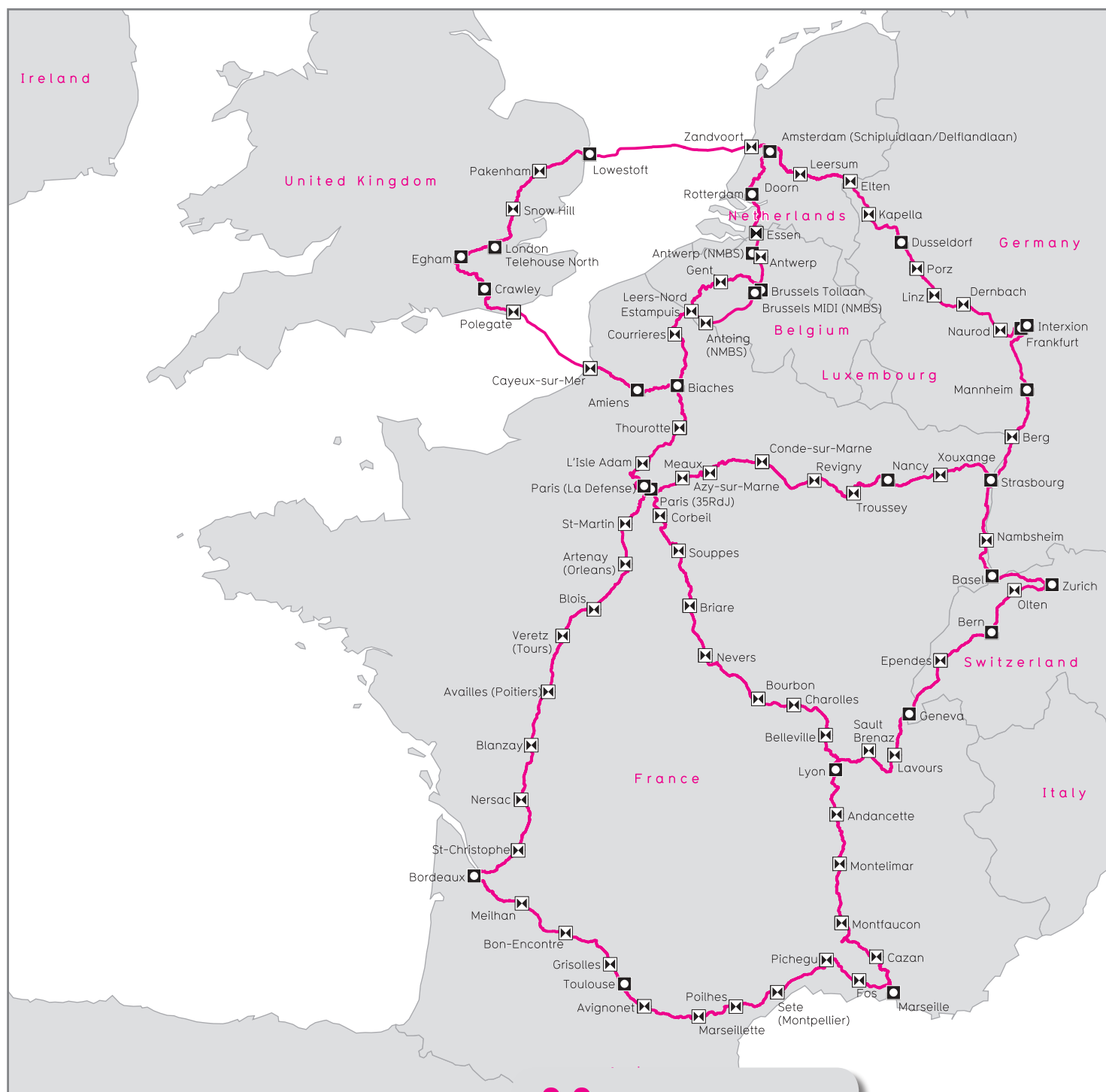


# VTLWaveNet

VTL W@veNet



// Legend



## Point of Presence



Transmission Site

— VTLWaveNet Network

Our state-of-the-art network allows us to deliver reliable and cost-effective connectivity that is fully supported and secure.

## The VTLWaveNet Network

VTLWaveNet operates an extensive long distance network connecting the UK, France, Germany, Netherlands, Belgium and Switzerland. The network includes 100+ Points of Presence in 19 key cities. In addition to the long distance network, VTLWaveNet operates metro networks in the main European business centres. With this network, we provide our customers with direct access to the most important Internet exchanges and carrier houses.

We have equipped the network with multi-vendor DWDM and SDH rings from leading global equipment vendors. The multiservice platforms deliver Ethernet services in addition to the traditional leased line circuits. The pan-European network supports L2 and L3 VPNs, as well as providing Internet transit services. The latest high capacity optical DWDM technology allows us to offer high speed wavelength services up to 40Gbps as standard.

The network is continuously monitored and managed around the clock by our Network Operations Centre (NOC). This means guaranteed levels of availability, performance and continuity of service.

Our state-of-the-art network allows us to deliver reliable and cost-effective connectivity that is fully supported and secure. And because we own the network down to the physical layer, we control our cost and lead times, allowing you to control yours.

## European backbone network

- 100+ Points of Presence in 19 key European cities
- 6,800 kilometres of fibre
- Based on 72-fibre cables on the terrestrial sections and 48-fibre sea cables
- 2 submarine cables between the UK and mainland Europe
- 35% of routes diverse from other network providers

## Metro networks

- In London, Paris, Frankfurt, Dusseldorf, Hamburg, Amsterdam, Utrecht and Rotterdam
- Providing access to the main carrier houses and carrier neutral data centres in each of these cities

- Providing access to the most important European Internet exchanges:
  - // London: LINX, LONAP, Lipex
  - // Manchester: MaNAP
  - // Amsterdam: AMSIX, NLIX
  - // Rotterdam: RiX
  - // Paris: FreeIX, PARIX, SFINX, PANAP, FNIX6, France-IX
  - // Frankfurt: DE-CIX
  - // Dusseldorf: E-CIX
  - // Zurich: SWISSIX, TIX
  - // Geneva: CIXP
  - // Brussels: BNIX, FreeBix

## Points of Presence in:

- Belgium: Antwerp, Brussels
- France: Amiens, Bordeaux, Lyon, Marseille, Nancy, Paris, Reims, Strasbourg, Toulouse
- Germany: Dusseldorf, Frankfurt, Kehl, Mannheim
- Netherlands: Amsterdam, Ede, Rotterdam
- Switzerland: Basel, Bern, Geneva, Zurich
- UK: London, Bracknell, Egham, Heathrow, Manchester, Reading

With multiple PoPs in most of the larger cities.

## Service management and quality

### Highlights of our network and service management:

- 24x7x365 proactive monitoring and support from the UK (Egham) Network Operations Centre
- Backup Network Operations Centre in Telehouse Docklands (London) for disaster recovery
- 24x7x365 technical support
- Configuration and service management
- Service availability guarantees backed up by SLAs and penalties

(typical 99.99% for protected services on the core network)

- Any customer/network incident is logged through the trouble ticketing system
- Planned Works notifications sent 10 days prior to the work, and always scheduled during non-working hours
- Site alarms reported to NOC and remote access to any site managed from the NOC

## About us

VTLWaveNet provides highly scalable telecommunications services across Europe. We operate an extensive European long distance network and metro networks in the main European business centres, accessing carrier houses, data centres and the main Internet exchanges.

Because we own the underlying physical infrastructure and equipped the network with the latest high capacity optical DWDM technology and multiservice platforms, we can offer these services fast, very cost-effectively and at all speeds required.

With services ranging from Dark Fibre and Co-location to high bandwidth Wavelengths and Ethernet VPNs, we have a suitable solution for companies requiring different levels of control over their European or city networks, regardless of the size of their network, and whether building from scratch or adding to an existing network.

We think differently at VTLWaveNet. We listen to our customers, make a point of understanding their needs, and deliver a service that is right for them, not most convenient for us.



## // want to know more?

To find out more about VTLWaveNet services, please contact one of our team or visit our website.

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