

Dark Fiber

Protected – Redundant – Fail-safe.

With **almost 30 years of experience** in marketing fiber optic capacities, we are a reliable and high-performing partner when it comes to setting up tailor-made data networks. All in all, we currently holds a constant portfolio of **more than 8,500 kilometres** of fiber optic network infrastructure for lease. In addition to the leasing of capacities of our main product, dark fibers (“Dark Fiber”), we also offers broadband connections. This wavelength runs between defined end points and is excellently suited for the development of rural regions in the belt of our **network infrastructure**.

Likewise, we offer space for lease in our telecommunications containers.



Our offer

- Fiber optic backbone network with numerous options of network connection and coupling to other network operators and point-of-presence or **PoP locations**
- Use of leased space along the fiber optic backbone network for local PoP locations, operation of repeater locations or development of mobile communications networks
- Underground **fiber optic infrastructure** infrastructure – mainly laid within the safety zone along a gas pipelines or other transmission lines
- Provision of dark fibers between agreed end points via notification of availability which includes a measurement report
- Service Level Agreement with assured availability of **99.50%**
- Actual availability of up to **99.98%** due to the laying within the safety zone of gas pipelines
- Monitoring, service and maintenance are carried out by a nationwide operating team and regular aerial survey of our network infrastructure
- Consistent monitoring of the complete network and **24/7 reachability** of our Customer Service Center (CSC)
- Technical support provided by the experts when it comes to planning, implementation and maintenance

Dark Fiber-Parameter

- Single-mode fiber cable according to ITU Standard (G.652, G.655)
- Cable containing **48 to 144 fibers**
- Maximum fiber attenuation in the cable (w/o plugs and splices):
0.35 dB/km at 1,310 nm; 0.21 dB/km at 1,550 nm; 0.24 dB/km at 1,625 nm
- Chromatic dispersion of the **fiber G.652** (w/o plugs and splices):
18 ps/km*nm at 1,550 nm; 22 ps/km*nm at 1,625 nm
- 100 % **underground fiber optic cable** pulled in conduit
- Repair time per fiber route section **< 8 hours**; maximum repair time per fiber route section including underground work < 24 hours
- Connector: E2000/APC plug – all other plug types possible
- **GIS-based route documentation**, database-controlled fiber management
- Member of BIL eG information system for pipeline enquire

We would be pleased to send detailed maps of route sections to you on request.

Learn more?



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Version: January 2024

