

Long-haul Dark Fiber

New, purpose-built long-haul dark fiber infrastructure end-to-end between major data centers and communication hubs in Northern Europe

Eastern Light builds, owns and operates international, long-haul dark fiber infrastructure specifically built to connect major data centers and important hubs in Northern Europe, both on land and at sea. All of Eastern Light cable systems are unrepeated since our focus is on selling unbroken end-to-end dark fiber to demanding customers, who then deploy their own active equipment to create a finished communication service over which they have complete control.

End-to-end DC-to-DC dark fiber in new, fully independent infrastructure, wholly owned by Eastern Light

Along its entire length, every Eastern Light cable route between DC-to-DC is fully physically separated from existing cables, deployed in our own ducts, shafts and manholes. Sea cables to beach manholes are drilled, by means of horizontal-drilling, providing maximum protection for the cable.

Secure ILA-Housing

At regular intervals along its cables Eastern Light provides rack space for its customers' transmission equipment in purpose-built ILA sites. All routes are designed to keep an average distance between the ILA sites of approximately 100 km to enable optimal cost performance for customers' systems. The ILA sites include power supply, reserve power (diesel engines) and HVAC equipment.

Highest Availability and Reliability

All elements of the network are being monitored 24/7/365 by Eastern Light's own Network Operation Centre (NOC) in order to provide every customer highest level of quality. Eastern Light handles all maintenance and fault-repair of all parts of its infrastructure. The specific SLA depends on the geographical stretch and is regulated in each contract.

Flexible pricing

Eastern Light dark fiber is offered on short, medium or long-term leases as well as IRU (Indefeasible Rights of Use) terms.

Technical specifications:

Fiber Standard:	ITU-T G.652 D (both land and sea stretches)
Max Attenuation:	0.39 dB/km at wavelength 1310 nm and 0.22 dB/km at 1550 nm
Interface/Connector type:	"All Glass/Connector free" end-to-end spliced from DC-to-DC as well as customer specific connectors upon request.