

Colocation for 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 [in ILA Colocation sites] to create a finished communication service over which they have complete control.

Secure Colocation in 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 and Security

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. All ILA sites and their surroundings are being monitored through CCTV surveillance 24/7.

Technical specifications:

Standard Cabinet Dimensions:	2200x600x600 mm (ETSI 19" adapters)
Power:	-48 V A+B with battery backup (PDU A+B) 230 V inverter Diesel generator set with fuel for at least 5 days of full energy consumption
Climate Control:	Automatic HVAC-equipment (18-25°C) Built-in 48V backup
Fire protection:	Automatic fire alarm and automatic fire extinguishing system
Security:	CCTV-system with multiple cameras Passage control system Security class 2 according to Svenska Stölskyddsföreningen SSF200