

CROSSLAKE FIBRE

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**Facts About AI Networks
in 60 Seconds.**



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AI compute demand
is doubling every
6 months.

Source: epoch.ai

Networks designed even 3 years
ago weren't built for this scale.



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Training and inference create totally different traffic patterns.

Source: Google Cloud

Legacy networks weren't designed for the east-west, cluster-to-cluster movement AI needs.



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**AI workloads
suffer when
routing is
unpredictable.**

Source: NVIDIA

Deterministic routing delivers
stable, repeatable performance –
essential for inference fabrics.



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**Lit capacity
bottlenecks fast
under AI loads.**

Dedicated pathways, like dark fibre, avoid multi-tenant congestion.



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**Power costs can
make or break AI
economics.**

Source: MIT-Sloan

Power demand from AI data centres is rising fast — electricity costs are becoming a key operating factor.



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**Diverse subsea
routes **reduce**
multi-region **risk**.**

AI fabrics rely on predictable
access to major North American
and European data centres.



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Usage-based fibre
models lower
spend and
improve **scale**.

Metered dark fibre means you
can pay-as-you-grow and scale
when you win customers.



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**AaaS removes
the remote-site
headaches.**

Amplification-as-a-Service

means no huts, no resourcing, no equipment, no ILAs – just long-haul dark fibre performance.



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800G is the new
standard for AI-
ready DCI.

Crosslake designs, builds, and
manages 100G/400G/800G links
using Ciena + Arista.



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**The fastest
Toronto-New
York route
means more
than ever.**

Training, inference and AI model syncing all benefit from lower and more stable latency.



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CROSSLAKE FIBRE

AI

**Needs a new
kind of network.**

**Crosslake is built
for it.**

www.crosslakefibre.ca/ai



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