Telia Norway and Ciena Achieve First Live 1.6 Tb/s Data Transmission in Nordics

February 12, 2025

Successful trial is key step in creating new optical fabric to support AI and data center traffic growth

HANOVER, Md.--(BUSINESS WIRE)--Feb. 12, 2025-- Telia Norway and Ciena (NYSE: CIEN) recently celebrated a key technology milestone and industry first in the Nordics. Powered by Ciena's WaveLogic 6 Extreme (WL6e) technology, the trial achieved 1.6 Tb/s through a single optical channel between Oslo and Trondheim over one of the highest capacity routes in the country. This accomplishment set impressive achievements for both distance – 656km – as well as for number of reconfigurable optical add-drop multiplexers (ROADMs) – seven.

"Global businesses are increasingly seeing Norway as a highly desirable destination for constructing data centers, as we have an advantageous combination of affordable energy and favorable climate conditions," said Georg Svendsen, CTO, Telia Norway. "This technology milestone with Ciena's WaveLogic 6 shows our ability to build a more robust and scalable network that can handle growing bandwidth demands and help push forward Norway's digital progress."

"This impressive achievement with Telia Norway builds on a strong track record of Ciena industry-firsts in coherent optics," said Virginie, Hollebecque, Vice President, EMEA, Ciena. "WL6e can help Telia Norway create the foundation of a new optical fabric designed to support the burgeoning demands of AI and data-centric applications. WL6 can also help position Telia Norway to support the increasing interest in Norway as a prime location for data center construction, capitalizing on the country's affordable energy and favourable climate."

Ciena's WL6e is the industry's first high-bandwidth coherent transceiver using state-of-the-art 3nm silicon to drive significant economic benefits for operators, including a 50% reduction in space and power per bit. WL6e provides massive 1.6 Tb/s, single-carrier wavelengths for metro ROADM deployments and maximizes network coverage for 800G connectivity.

About Telia Norway

Telia Norway is a leading technology company that builds socially critical infrastructure and delivers innovative products and services within TV, internet and mobile.

About Ciena

Ciena (NYSE: CIEN) is a global leader in networking systems, services, and software. We build the most adaptive networks in the industry, enabling customers to anticipate and meet ever-increasing digital demands. For three-plus decades, Ciena has brought our humanity to our relentless pursuit of innovation. Prioritizing collaborative relationships with our customers, partners, and communities, we create flexible, open, and sustainable networks that better serve all users—today and into the future. For updates on Ciena, follow us onLinkedIn, Twitter, the Ciena Insights blog, or visit www.ciena.com.

Note to Ciena Investors

You are encouraged to review the Investors section of our website, where we routinely post press releases, SEC filings, recent news, financial results, and other announcements. From time to time we exclusively post material information to this website along with other disclosure channels that we use. This press release contains certain forward-looking statements that are based on our current expectations, forecasts, information and assumptions. These statements involve inherent risks and uncertainties. Actual results or outcomes may differ materially from those stated or implied, because of risks and uncertainties, including those detailed in our most recent annual and quarterly reports filed with the SEC. Forward-looking statements include statements regarding our expectations, beliefs, intentions or strategies and can be identified by words such as "anticipate," "believe," "could," "estimate," "expect," "intend," "may," "should," "will," and "would" or similar words. Ciena assumes no obligation to update the information included in this press release, whether as a result of new information, future events or otherwise.

View source version on businesswire.com: https://www.businesswire.com/news/home/20250212708099/en/

Press Contacts:
Jamie Moody
Ciena Corporation
+1 (410) 694-5761
pr@ciena.com

Ellen Cecilie Scheen
Telia Norway
+4797519420
ellen.scheen@telia.no

Investor Contact:
Gregg Lampf
Ciena Corporation
+1 (410) 694-5700
ir@ciena.com

Source: Ciena Corporation