

Infinera and GlobalConnect Complete Successful 400G Coherent Transmission Field Trial over 50 GHz Grid Metro Infrastructure

Sunnyvale, Calif. – December 9, 2019, 8:00 a.m. ET – Infinera (NASDAQ: INFN) and GlobalConnect, a leading integrated digital infrastructure provider in Northern Europe, today announced the successful completion of a field trial demonstrating 400 gigabits per second (400G) coherent transmission over a 50 gigahertz (GHz) fixed grid metro transport network concurrently with pre-existing 10G channels. The industry-first field trial showcased GlobalConnect’s ability to easily and cost-effectively scale its current optical transport network to meet growing capacity demands while preserving its investment in deployed infrastructure with leading-edge optical technology from Infinera.

Following a merger with Broadnet, the GlobalConnect open fiber infrastructure spans over 42,000 kilometers and provides the foundation for a wide range of carrier-class services for wholesale and corporate customers. Conducted over a live GlobalConnect optical link in the Oslo metropolitan area, the field trial featured the latest coherent transmission capabilities of the Infinera Groove G30 Compact Modular Platform and seamless interoperability with deployed metro transport infrastructure. The error-free testing included multiple 300G and 400G alien wavelength transmission use cases over a live metro network link originally designed for and currently running 10G wavelengths using on-off keying (OOK) modulation technology. The field trial showcased the ability to boost the capacity of a 10G-engineered OOK-based network by going from 10G to 400G per wavelength, thus increasing the fiber capacity to 32 terabits on an existing 50 GHz fixed grid metro network.

“With the explosive growth in data traffic and acceleration of digital transformation, optical network flexibility and scalability remain critical to our ability to be responsive to our customers’ evolving communications needs,” said Anders Kuhn Saaby, CTO, GlobalConnect. “We remain committed to advancing our fiber infrastructure with cutting-edge technologies to keep pace with growing capacity demands and allow us to expand our addressable market.”

The Infinera Groove G30 is an open, disaggregated networking solution designed to be compatible with third-party optical line systems and diverse network environments, including conventional 10G-engineered non-coherent metro networks designed with OOK, a legacy transport technology that poses limitations for upgrading to higher-capacity wavelengths.

“We were pleased to work with GlobalConnect to showcase the state-of-the-art performance of our Groove G30 compact modular solution,” said Glenn Laxdal, Senior Vice President of Disaggregated, Edge, and Access Solutions at Infinera. “This solution helps network operators eliminate the technology roadblocks to seamless scaling of conventional 10G network infrastructure to cost-effectively meet higher-capacity customer demands.”

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About GlobalConnect

GlobalConnect is a leading provider of integrated digital infrastructure services in Northern Europe. The group owns a 42,000 kilometre fibre network and 18,000 sqm high-security data centre space, offering end-to-end connectivity and related hosting and cloud-based IT solutions. For more information, visit globalconnect.no.

About Infinera

Infinera is a global supplier of innovative networking solutions that enable carriers, cloud operators, governments, and enterprises to scale network bandwidth, accelerate service innovation, and automate network operations. The Infinera end-to-end packet optical portfolio delivers industry-leading economics and performance in long-haul, submarine, data center interconnect, and metro transport applications. To learn more about Infinera, visit www.infinera.com, follow us on Twitter @Infinera and read our latest blog posts at www.infinera.com/blog.

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This press release contains forward-looking statements including, but not limited to the potential technical, operational and financial benefits provided when using Infinera's solutions. These statements are not guarantees of results and should not be considered as an indication of future activity or future performance. Actual results may vary materially from these expectations as a result of various risks and uncertainties. Information about these risks and uncertainties, and other risks and uncertainties that affect Infinera's business, is contained in the risk factors section and other sections of Infinera's Quarterly Report on Form 10-Q for the Fiscal Quarter ended September 28, 2019 as filed with the SEC on November 12, 2019, as well as any subsequent reports filed with or furnished to the SEC. These reports are available on Infinera's website at www.infinera.com and the SEC's website at www.sec.gov. Infinera assumes no obligation to, and does not currently intend to, update any such forward-looking statements.