



Infinera Selected by Facebook for World's Longest Terrestrial Multi-Terabit Route

Sunnyvale, Calif. – March 31, 2015 – Infinera announced that Facebook deployed an Infinera® [Intelligent Transport Network](#) to light the world's longest terrestrial optical network route capable of delivering up to eight terabits per second (Tb/s) of data transmission capacity. The new route spans 3,998 kilometers and is deployed without any regeneration. Eight terabits of data transmission per second is enough capacity to stream over one million high-definition videos at the same time.

Facebook's European terrestrial network stretches from its Lulea, Sweden, datacenter across major hubs throughout Europe. Facebook deployed the Infinera portfolio of products, which includes the DTN-X platform, to connect these hubs, harnessing Infinera's unique FlexCoherent™ solution to deliver terabits of capacity on a single fiber across the continent.

Today, Facebook delivers to its European network 100 gigabit per second (Gb/s) coherent transmission via 500 Gb/s super-channels, featuring a forward-scale design to support 1.2 Tb/s super-channels in the future. The high capacity super-channels are enabled by 500 Gb/s photonic integrated circuits (PICs) developed and fabricated by Infinera – the only supplier providing 500 Gb/s of transmission capacity from a single line card. PICs enable the DTN-X platform to integrate wavelength division multiplexing super-channel transmission with up to 12 Tb/s of non-blocking optical transport network switching, providing seamless scaling as traffic requirements grow in the future. The DTN-X also features SDN-ready application programming interfaces that enable network programmability and automation of network operations to reduce both operational cost and service delivery times while facilitating new services.

"The Infinera Intelligent Transport Network makes it easy for us to rapidly grow network capacity while keeping operations simple," said Niclas Comstedt, Director of Network Engineering at Facebook. "Once the equipment is in place we are able to turn up as many terabits as we need."

"Content providers, such as Facebook, are adding long-haul capacity at a rapid pace," said TeleGeography Research Director Alan Mauldin. "According to our research, private network capacity in Europe has increased more than 8-fold between 2010 and 2014."

"I've worked closely with service providers around the world to test and deploy ultra-long-haul optical transport systems for over a decade," said Steve Grubb, Fellow at Infinera. "The route we are announcing with Facebook is delivering multi-terabit capacity today and I believe this is the world's longest 8 Tb/s capable route in production."

"Facebook's deployment of the Infinera Intelligent Transport Network underscores the value Infinera brings to Internet content providers and datacenter operators around the world," said Tom Fallon, Infinera CEO. "Facebook is a classic example of how leading Internet content providers are building global networks that interconnect their datacenters to accelerate the delivery of high bandwidth, feature rich services worldwide."



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About Infinera

Infinera (NASDAQ: INFN) provides Intelligent Transport Networks for network operators, enabling reliable, easy to operate, high-capacity optical networks. Infinera leverages its unique large scale photonic integrated circuits to deliver innovative optical networking solutions for the most demanding network environments. Intelligent Transport Networks enable carriers, Cloud network operators, governments and enterprises to automate, converge and scale their data center, metro, long-haul and subsea optical networks. To learn more about Infinera visit www.infinera.com, follow us on Twitter @Infinera and read our latest blog posts at blog.infinera.com.

This press release contains forward-looking statements including, among other things, statements relating to the economic and technical benefits and advantages of Infinera's platform of products including but not limited to: enabling what is believed to be the world's longest terrestrial multi-terabit route currently in production; providing a forward-scale design to support 1.2 Tb/s super-channels in the future; and providing up to 12 Tb/s of non-blocking optical transport network switching. 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 our business, is contained in the risk factors section and other sections of our annual report on Form 10-K filed with the Securities and Exchange Commission on February 18, 2015, as well as any subsequent reports filed with or furnished to the SEC. These reports are available on our 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. 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.

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