



Telia Carrier announced the extension of Telia Carrier's North American optical network to bring 100 gigabit per second (Gb/s) services into its Bay Area metro markets with the Infinera TM-Series. In addition, Infinera and Telia Carrier announced a second Infinera DTN-X based low latency 'Pacific Coast Highway' route between the San Francisco Bay Area and Los Angeles. This super highway connects the Internet Content superpowers of the Bay Area with the entertainment and media giants of Hollywood. By providing market leading latency and redundancy between Silicon Valley and the Pacific cable landing points in Los Angeles, Telia Carrier enhances connectivity between the two major West coast media, entertainment and Internet hubs and clears an additional path for Asia-Pac traffic entering and leaving the U.S. via key Pacific submarine cable landing stations in Los Angeles.

Telecom Review recently visited with Ivo Pascucci at Telia Carrier and Michael Capuano with Infinera in order to give our readers a feel for these network changes.

Ivo told us that the Telia network was the first truly 100G network in both the US and Europe and that the network is built upon 100 percent organic growth. He noted that the Bay area expansion provides Data Center to Data Center connectivity which is where a large part of their growth comes from in this area. In some cases with the Infinera equipment Telia is able to turn up 100G circuits in less than two weeks.

“The additional diverse route between the Bay area and LA has resulted in a 30% reduction in latency between the two markets for Telia customers. As gaming becomes larger latency is a big factor in the network Ivo told us.

Telia Carrier now utilizes an end-to-end Infinera Intelligent Transport Network, from long-haul to metro, as the foundation of its “built from the ground-up” network infrastructure. With Infinera’s optical solutions, Telia Carrier has quickly expanded globally and was recently recognized as the number one Internet Protocol (IP) Transit Provider in the U.S. in Dyn’s 2015 ‘Baker’s Dozen’ report. With its new Metro 100G capabilities and second ‘Pacific Coast Highway’ route enhancements, Telia Carrier is eliminating unpredictability of capacity availability for its partners and customers, and living up to its promise to its customers to become “The Backbone of Your Business.”

Six of the top seven global content sites rely on the Telia IP transit backbone with 680 operator customers. 1.3 billion People play Telia’s customer’s games.

Infinera has a track record of supporting Telia Carrier with network “firsts.” Telia Carrier was the first network operator in North America to deploy the Infinera DTN-X Family with Instant Bandwidth and the first network operator to test a terabit super-channel on a live network. Now Telia Carrier is the first announced provider to extend a nationwide DTN-X network by deploying Infinera’s TM-Series for Metro 100G at scale. The Infinera TM-Series will provide the Telia Carrier metro network with a 100G packet-optical platform featuring multi-service capabilities including the ability to support MEF 2.0 certified Ethernet services, mobile front haul, wholesale bandwidth and metro aggregation. The solution offers a unified network management layer across DTN-X and TM-Series and programmable software defined networking (SDN) application programming interfaces (APIs) to enable rapid service.

“The West Coast is a critical network segment in the U.S. and we are adding an additional route to further enhance customer experience in the region. The Infinera TM-Series makes the economics of 100G work. This metro solution brings with it the benefits of an integrated, low power and space-saving design. More and more of our customers are doing the math and working out that now is the time to invest in 100G. And thanks to Infinera, we are ready for them,” said Mattias Fridström, Chief Technology Officer at Telia Carrier.

“Telia Carrier now has an end-to-end unified Infinera Intelligent Transport Network that is optimized for scale, operational simplicity, and to accelerate network service delivery to Telia Carrier’s customers. Telia Carrier’s expanding deployment of Infinera’s end to end solutions underscores the value we bring to our customers across the globe,” said Bob Jandro, Senior Vice President, Worldwide Sales at Infinera.