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ECI TELECOM SUCCESSFULLY TRANSMITTED COHERENT 100G TRAFFIC OVER BEZEQ INTERNATIONAL'S 4,600KM SUBMARINE CABLE

--Innovative coherent optical solution enables considerable capacity increase in the submarine cable between Israel and Italy--

PETACH TIKVAH, ISRAEL –March 12, 2013 – ECI Telecom, a global provider of next-generation network solutions, today announced that it has successfully transported non-regenerated 100G traffic, via the Jonah international submarine cable, owned by Bezeq International, Israel’s leading telecommunications company. The data was transmitted by the [Apollo OMLT](#) over a total distance of 4,600 km, from Tel Aviv to Bari, Italy and back.

HIGHLIGHTS

- The deployment of 100G enables more data to be transmitted faster over larger distances. With advanced coherent soft-decision forward error correction (SD-FEC) technology, such deployments open the door for the delivery of cost-effective next-generation services to carriers worldwide.
- The 100G trial was carried out over Bezeq International’s live operational submarine fiber, in conjunction with the [Tera Santa Consortium](#), as part of its research on long-distance adaptive coherent channel behavior. This trial demonstrated the advanced capabilities of ECI 100G transmission system and technologies in compensating for non-linear channel impairments and chromatic dispersion utilizing advanced SD-FEC algorithms.
- The Tera Santa Consortium was established in 2011 by leading technology companies and universities to develop the world’s first 1T OFDM-based optical network, with financial backing from the research arm of the [Israeli Chief Scientist Office](#).
- The Apollo 100G transponder card, already deployed by many customers, brings significant capacity increase to the optical cable, relieving traffic congestion and enabling new applications.

EXPERT PERSPECTIVES

“ECI once again demonstrated the powerful performance of our innovative coherent technology with SD-FEC algorithms by transmitting 100G link over Bezeq International's submarine cable for 4,600Km with no regeneration. The 100G channels from the Apollo OMLT allow submarine cable operators to increase significantly the network capacity over expensive links with minimal network adjustment. ECI already deployed and trialed 100G solutions in various customer networks and now we also displayed our capability over submarine cables.”

Eran Dariel, GM Portfolio Business, ECI Telecom



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THE OMLT SOLUTION

The Optimized Multi-Layer Transport (OMLT) architecture is ECI's vision for your next-generation packet-optical transport network, with flexible convergence from metro access to core. The Apollo OMLT is optimized for next-generation optics, and it brings transparent aggregation and transport of services over 10G to 100G WDM links. Its best-in-class 100G optical performance, OTN fabric, variety of ROADMs modules and configurations, tunable lasers, and a GMPLS-based control plane provide one of the most advanced NG transport solutions available today. The Apollo family of OMLTs was launched in November 2011, and is enjoying great momentum with service providers around the world. In December 2012, ECI has launched the Native Packet Transport (NPT) family of OMLTs, to deliver an affordable, scalable and easy to manage metro packet transport networks, for lowest TCO. ECI's OMLT is managed by the LightSoft® unified Network Management System.

ABOUT ECI TELECOM

ECI Telecom delivers innovative communications platforms to carriers and service providers worldwide. ECI provides efficient platforms and solutions that enable customers to rapidly deploy cost-effective, revenue-generating services.

Founded in 1961, Israel-based ECI has consistently delivered customer-focused networking solutions to the world's largest carriers. The Company is also a market leader in many emerging markets. ECI provides scalable broadband access, transport and data networking infrastructure that provides the foundation for the communications of tomorrow, including next-generation voice, IPTV, mobility and other business solutions. For more information, please visit www.ecitele.com.

Certain statements contained in this release may contain forward-looking information with respect to plans, projections or future performance of the Company. By their nature, forward-looking statements involve certain risks and uncertainties including, but not limited to, product and market acceptance risks, the impact of competitive pricing, product development, commercialization and technological difficulties as well as other risks.

ABOUT TERA SANTA

The Tera Santa consortium comprises seven leading Israeli companies and five universities in Israel, researching and developing the world's first Terabit Orthogonal Frequency Division Multiplexing (OFDM)-based optical network. With financial support provided by the Israeli Office of the Chief Scientist (OCS) through its [Maqnet program](#), the founding consortium members are ECI Telecom, Finisar Corporation Israeli subsidiary, Orckit-Corrigent, MultiPhy, Optiway, Civcom, Bezeq International, the Technion Israel Institute of Technology, Ben-Gurion University, the Hebrew University in Jerusalem, Bar-Ilan University and Tel-Aviv University.



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