

## **ECI Fuels Research and Collaboration with 200G Upgrade for DFN, the German National Research and Education Network**

*Simple optical network upgrade instantly doubles capacity without affecting service continuity*

**PETACH TIKVA, Israel – November 14, 2018** – [ECI](#), a global provider of ELASTIC Network® solutions for service providers, critical infrastructures and data center operators, today announced it was chosen by the DFN, the German National Research and Education Network, to upgrade its optical network (X-WiN) to the latest 200G technology. The network plays an important role in connecting universities and research institutions around Germany, also in the areas of High-Performance Computing (HPC) and Cluster Computing. The upgrade included an optimized, innovative network architecture as well as the use of ECI's Apollo DWDM TR200-2 muxponders.

Strong double-digit growth in demand for bandwidth, led DFN to pursue a sustainable, yet efficient growth strategy to improve network performance. The latest network upgrade will allow the DFN users to experience a significant improvement in network performance. This is particularly important to users of the [Gauss Center for Supercomputing](#) such as Leibniz Computing Center (LRZ) of the Bavarian Academy of Sciences in Garching, the High Performance Computing Center in Stuttgart and the Jülich Supercomputing Centres (JSC).

DFN first deployed ECI's Apollo family of optical transport solutions across the X-WiN network in 2012, and later upgraded to 100G. In this latest upgrade, DFN simply replaced their installed base with ECI's new TR200-2 card, instantly doubling capacity without affecting service continuity. Solutions such as the TR200-2 are designed to enable customers to upgrade their networks, while avoiding disruption or having to rip and replace their current solutions.

Excellent research and education institutions require an efficient and sustainable science network to promote connectivity, resource sharing and collaboration. Thanks to its continuous development at the highest technical level, the X-WiN science network is one of the most powerful communication networks worldwide. This new 200G capacity will play an integral part in providing the backbone DFN needs to further research and focus on innovation. After completing the implementation, over 800 X-WiN connected facilities will benefit from the improvements.

ECI's Apollo (OPT) product line offers a family of optical transport and switching platforms that interwork seamlessly to provide scalable, high-density and energy-efficient solutions from access to core with up to 400G transmission and 16T of OTN switching. The new Apollo TR200-2, the industry's most compact, pluggable optical interface, provides two separate 200G transponder/muxponders in a single slot, instantly doubling the capacity of any Apollo 9600 shelf. Not only is the TR200-2 about half the size of other available solutions, it also provides best-in-class power consumption (less than 0.2W/GHz).

"By upgrading to 200G, we're ensuring that DFN will be at the forefront of networking and well prepared for the future," said Christian Erbe, VP Sales Europe at ECI. "The upgrades are based on new subscriber connections that will help expand the scientific network and make it more efficient. [ECI's](#)



[Apollo platform](#) ensures the DFN can easily meet today's demand, while remaining future-proof and flexible to meet the needs of tomorrow.”

#### **About ECI**

ECI is a global provider of ELASTIC network solutions to CSPs, critical infrastructures as well as data center operators. Along with its long-standing, industry-proven packet-optical transport, ECI offers a variety of SDN/NFV applications, end-to-end network management, a comprehensive cyber security solution, and a range of professional services. ECI's ELASTIC solutions ensure open, future-proof, and secure communications. With ECI, customers have the luxury of choosing a network that can be tailor-made to their needs today while being flexible enough to evolve with the changing needs of tomorrow. For more information, visit us at [www.ecitele.com](http://www.ecitele.com).

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