



HIBERNIA ATLANTIC AND HUAWEI COMPLETE FIRST 100 GBPS TRANSATLANTIC TRIAL

MARKING INDUSTRY MILESTONE FOR HIGH BANDWIDTH, SUBSEA CONNECTIVITY

- Coherent 100G transmission has been successfully completed across 5,570 km of subsea cable from Halifax, Nova Scotia to Southport, England
- Since the test was successful, the companies will deploy 100 Gbps capacity across key routes in the coming year
- Hibernia, Huawei, and its subsidiary Huawei Marine, have an extensive history of providing industry firsts including first 40 Gbps across the Atlantic, first 40 Gbps across a subsea span, first to offer 10 Gbps Ethernet LAN-PHY capacity across the Atlantic, and coming in 2013, the deployment of Project Express, first transatlantic build in over ten years offering the lowest latency available

SUMMIT, NJ & DUBLIN, IRELAND – November 8, 2011 - [Hibernia Atlantic](#), the only US owned, diverse transatlantic high bandwidth connectivity provider, [Huawei](#), a leading global information and communications technology (ICT) solutions provider, and Huawei Marine, a global submarine solutions supplier, announce today they have successfully completed the first 100G transatlantic connection between Halifax, Nova Scotia in Canada to Southport, England. This test was historic in nature; this is the highest capacity connection ever transmitted across the Atlantic Ocean. The success of this trial is allowing the companies to move forward on their aggressive deployment schedule, including 100 Gbps connections between Halifax and Montreal and between Amsterdam and London by Q1 2012, followed by other key routes later in the year.

The trial involved Huawei's latest 100 Gbps single wavelength coherent technology. This Optical Interoperability Forum (OIF) standards compliant technology utilizes innovative Digital Signal Processing (DSP) algorithms and next generation Forward Error Correction (FEC) enabling high capacity transport across transatlantic distances. In addition to performing across distances greater than 5,000 km, the trial has successfully demonstrated long-term, error-free transmission at 100Gbps. Additionally, transmission with existing Huawei 40 Gbps wavelengths at 50 GHz spacing was achieved, allowing for a smooth and seamless bandwidth upgrade. Huawei also successfully demonstrated co-propagation of 100 Gbps wavelengths at 50 GHz spacing which enables future upgrades of subsea capacities up to 5 Tbps.

This 100 Gbps technology is available on Huawei's [OptiX](#) product series which is a next generation, intelligent, Optical Transport Network (OTN) platform scalable to over 6 Tbps of switching capacity. Hibernia Atlantic is using this equipment to upgrade their existing secure and diverse cable system. "In partnership with Hibernia Atlantic, Huawei has developed the OptiX products with 100 Gbps capability to address exponentially increasing bandwidth demand driven by cutting-edge data services and high definition video," states Charlie Chen, Senior Vice President of Marketing for Huawei Technologies USA.

"Additional capacity to our existing network system will provide the ability to meet the growing service needs of our clients," continues [Bjarni Thorvardarson](#), Chief Executive Officer for Hibernia Atlantic. "The carrier, multi-media and enterprise industries all require high capacity at the 100 Gbps level to ensure high performance data transmissions. In addition, we are deploying Project

Express, the first transatlantic, fiber optic cable with the shortest latency in history at sub 60 milliseconds roundtrip. With this innovative cable link, as well as our existing, diverse cable assets, our clients will now be able to access secure and diverse connectivity at the highest-performance capacity currently available.”

Both companies have a long history of partnering together for successful industry-first milestones. From providing the first [40 Gbps capacity over a subsea span](#) to offering [commercially native 40 Gbps wavelengths](#) between Europe and North America, the two organizations are committed to presenting clients with cutting-edge advancements. Additionally, the companies were the first to offer 10Gbps Ethernet LAN-PHY capacity across the Atlantic Ocean as early as 2006. The companies look to continue their history of cutting-edge, industry firsts through the deployment of [Project Express](#) in 2013.

To view Hibernia Atlantic’s global network map, please visit http://www.hiberniaatlantic.com/documents/HA_StatSheet_0511_000.pdf

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About Hibernia Atlantic:

[Hibernia Atlantic](#) is the only US owned diverse, transatlantic, high bandwidth, connectivity provider. Hibernia’s transatlantic submarine cable system and terrestrial fiber network offers over 120 Points of Presence throughout Canada, the US, UK, mainland Europe and the Pacific Rim, spanning over 24,000 kilometers. Hibernia’s investors are Columbia Ventures Corporation and Constellation Ventures.

Hibernia provides secure and diverse dedicated Ethernet, DTM and optical-level service including GigE, 10G and LanPhy wavelengths and traditional SONET/SDH services. [Hibernia Express](#) will be the lowest latency transatlantic cable between New York and London offering access to key metro markets and financial exchanges in North America, UK and Europe.

For more information on Hibernia Atlantic's cutting-edge network or to view the company’s communication video, please visit www.hiberniaatlantic.com.

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About Huawei:

Huawei is a leading global information and communications technology (ICT) solutions provider. Through our dedication to customer-centric innovation and strong partnerships, we have established end-to-end advantages in telecom networks, devices and cloud computing. We are committed to creating maximum value for telecom operators, enterprises and consumers by providing competitive solutions and services. Our products and solutions have been deployed in over 140 countries, serving more than one third of the world’s population. For more information, visit Huawei online: www.huawei.com . Follow us on Twitter: www.twitter.com/huaweipress and YouTube: <http://www.youtube.com/user/HuaweiPress>.

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About Huawei Marine Networks Co., Ltd:

Huawei Marine Networks Co., Limited (hereinafter referred to as "Huawei Marine") is a joint venture established by Huawei Technologies Co., Ltd. and Global Marine Systems Limited. Based on the advantages of the two parent companies, Huawei Marine integrates the state-of-the-art technologies in telecommunications and the experiences of marine operation near 100 years, committing itself to the construction of global submarine cable communication networks. Huawei Marine provides highly reliable, cost-effective solutions and end-to-end services including project management, installation, and technical support for submarine cable system operators. For more information, please contact: public@huaweimarine.com or visit www.huaweimarine.com.