



Press Release

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Spectrum improves transatlantic corporate network with Exponential-e

Spectrum has upgraded its inter-office communication system for seismic data processing with a powerful, high-speed private network from next-generation network and applications provider Exponential-e.

The new corporate network delivers unprecedented speeds and security between Spectrum's sites in the US and UK enabling the company to easily access seismic data stored and processed at their seismic processing centres in Houston and London. Exponential-e's local presence in the US allowed the service provider to deliver the solution cost-effectively.

Spectrum's Executive Vice President of I.T., John Lyons commented: "Seismic data processing and 3D imaging are bandwidth-intensive by their nature. Exponential-e was able to provide high-levels of bandwidth cost-effectively and at the speeds we needed over two continents." John added: "Our ability to move huge quantities of seismic data from Houston to a client in our UK office in as little as 57 milliseconds is mind-blowing. We also have the extra peace of mind that our data is now supported on a private network."

In providing seismic data services to the oil and gas industry, Spectrum moves substantial quantities of 2D and 3D seismic data between its sites in the UK and the US. The company also uses its proprietary and third party software to conduct real-time analysis and manipulation of data in Houston remotely from Woking, placing significant demands on bandwidth and latency.

Spectrum was previously using an Internet-based IP VPN to transport significant volumes of data between sites. Exponential-e was able to connect Spectrum into their next generation network using local network nodes in each country to deliver significantly higher levels of speed and efficiency as well as enhancing security.

Connectivity between the two sites is no longer reliant on the Internet with all critical data transported on a highly secure dedicated private network. A unique networking approach based on switching rather than routing in the core has reduced the round trip latency between the two sites to as little as 114ms.

State of the art Ethernet technology effectively supports both sites on an international Wide Area Network (WAN). This wide area network behaves, and is managed, as if it's a Local Area Network (LAN).

Spectrum also selected Exponential-e's premium business Internet service to provide the high-performance reliability and speed they required. A key feature of the Internet service is its use of a sophisticated Route 1™ sampling algorithm which constantly monitors a plethora of routes across the Internet for the best available. Spectrum is making the most efficient use of the bandwidth they have available by employing Exponential-e's "Intelligent Quality of service" feature which allows the main data service, responsible for transporting business critical services, to burst into the bandwidth allocated to the Internet service when it is available.

Cost savings related to infrastructure consolidation and therefore a lower support overhead is now possible. Both services are delivered to Spectrum over a single powerful connection at each site, with each service securely insulated and delivered to the company as physically different cables. A simple Ethernet interface allows each service to be plugged directly into the LAN.

About Spectrum

Spectrum provides seismic data processing, Multi-Client surveys and offshore seismic data acquisition services to the global oil and gas industry from offices in UK, US, China, Egypt and Singapore.

Spectrum offers 2D and 3D, land and marine seismic data processing in both depth and time.

All statements in this press release other than statements of historical fact are forward-looking statements and are subject to a number of risks, uncertainties and assumptions that are difficult to predict and are based on assumptions as to future events that may not prove accurate.

www.spectrumasa.com

About Exponential-e

Exponential-e designs and deploys bespoke network solutions, connecting company LANs regionally, nationally and internationally to create global office networks. Customer networks are created within Exponential-e's VPLS-enabled NGN (known as the Service Creation Platform or SCP) and do not touch the Internet, ensuring they are totally private.

In addition to fast, high capacity, flexible connectivity solutions, companies also access a range of enterprise services and applications which are hosted on the network. Managed and unmanaged storage, voice services, video conferencing, surveillance and colocation, plus some sector specific services are all available through a single access circuit onto the SCP.

As well as its national UK network, Exponential-e has a direct connection into New York, offering desktop-to-desktop transatlantic services. The company also has a number of strategic alliances in place, with like-minded Ethernet carriers, enabling the company to offer end-to-end Ethernet across most of the world.

Exponential-e's network solutions are fast, flexible and secure – giving customers responsive, scalable networks which reduce risks and costs while enhancing their business performance.

<http://www.exponential-e.com>

Notes to editor

Download press release online: <http://www.spectrumasa.com/News-And-Events.php>

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