

Wavelengths of the Future: NexGen Networks Managed DWDM Services

Managed DWDM continues to grow in popularity thanks to its power, flexibility, and scalability

London, United Kingdom – July 11, 2016 - **NexGen Networks**, a leading global provider of ultra high-speed fibre-optic services with a distinctive customer service approach, has announced that it will continue to focus on managed DWDM offerings as one of its flagship services around the world.

NexGen's Managed dense wavelength division multiplexing (DWDM) service is a combination of NexGen's Managed Network Services and the Wavelength service. It is a state of the art technology that packs an impressive array of wavelengths or channels into a single optical fibre. By dividing the signal in the fibre into numerous wavelengths, DWDM creates an incredibly flexible and powerful connection that can transport multiple data formats simultaneously at up to 200 billion bits per second. Internet (IP) data, Synchronous Optical Network data (SONET), Ethernet and fibre channel data can all be travelling at the same time within the optical fibre.

“Because of its power, versatility, and scalability, managed DWDM has become one of the most popular services we offer, particularly for the enterprise client,” says Edward Lawson, SVP of Business Development. “It is a managed service that we have strong expertise with, affording our clients peace of mind as well as a measure of continuity as they grow because they can simply add circuits to enable the network to grow with them.”

Managed DWDM is becoming an essential product for enterprises who require the ability to transmit many wavelength circuits between their major datacentres. DWDM's powerful transmission capabilities create tremendous advantages in efficiency and availability by reducing operating expenses and points of failure in the network. NexGen customers have been using DWDM services to extend their private datacentres to public datacentres which allow them to connect to various service providers in the public datacentre location, thus streamlining their infrastructure and increasing efficiency.

NexGen has in house engineering teams to manage and adjust to the inherent complexities of deploying DWDM rings such as DB loss and light "leakage", where light streams off other channels into each other on a particular

spectrum. NexGen engineers also has the ability to manage FEC for low latency fibres for customers that want to save up to 30 microseconds of round trip delay.

About NexGen Networks

NexGen Networks, <http://www.nexgen-net.com>, is the premier provider of tailored, high-capacity communications services to carrier and enterprise customers. NexGen Networks is committed to delivering cost-effective, custom solutions coupled with superior industry expertise, service and support that allows for unparalleled time to market connectivity. It offers a comprehensive suite of facilities-based services including: Ethernet, SONET, Wavelength, Dark Fibre, Internet Access, Colocation and more. Its fibre optic network leverages unique rights-of-way that deliver connectivity to the major metropolitan areas in North America, Europe and the Far East. While consistently building upon its private and public IP and Ethernet expertise and evolving its capabilities to continually meet the needs of its customers, large and small, it has continued to maintain a superior standard of customer service and support.