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News Release

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## **OFS LASERWAVE™, ALLWAVE®, AND TRUEWAVE® RS FIBERS SUPPORT 10 GIGABIT ETHERNET INTEROPERABILITY DEMONSTRATION**

**June 12, 2002** - OFS, designer, manufacturer, and supplier of leading edge fiber optic products, today announced participation in the 10 Gigabit (Gb) Ethernet interoperability demonstration by the 10 Gb Ethernet Alliance (10GEA). The live demonstration featuring OFS LaserWave™, AllWave®, and TrueWave® RS Fibers was conducted this past week at SuperComm 2002.

This demonstration, which seeks to promote the adoption of 10 Gb Ethernet within the telecommunications industry, includes OFS' LaserWave 300 Fiber, carrying live 10 Gb Ethernet transmissions between two 850 nm 10GBASE-S ports over a 300-meter distance. OFS' award-winning TrueWave RS and AllWave Fibers are supporting 40-km links with 1550 nm 10GBASE-EW ports and 10-km links between 1310 nm 10GBASE-LR ports, respectively. The specifications of both LaserWave and AllWave Fibers are referenced in the latest draft of the IEEE 802.3ae 10 Gb Ethernet standard. LaserWave Fiber is also referenced by the 10 Gb Fibre Channel standard draft and the 10 Gigabit OIF (Optical Internetworking Forum) OC-192 VSR-4 specification.

"The LaserWave Fiber demonstration illustrates a landmark solution for 10 Gb Ethernet in-building networks, enabling low total system cost through the use of low cost 850-nm serial optics," says Janice Haber, Vice President of Market Development and Offer Strategy for OFS. "With AllWave and TrueWave RS Fibers available for longer reach situations, OFS can offer complete solutions for 10 Gb Ethernet networks."

### **About LaserWave Fiber**

LaserWave 300 and LaserWave 150 Fibers from OFS are the world's first 10 Gb/s 850 nm laser optimized multimode fibers, they have been shipping in volume since December 1999. The large multimode core diameter of LaserWave Fibers enables low system cost from 10 Mb/s through 10 Gb/s by easing alignment tolerances in the optics throughout the system.

LaserWave Fibers also provide extended reach for 1 Gb/s applications and support legacy lower speed applications.

### **About AllWave Fiber**

OFS' AllWave Fiber, the first Zero Water Peak fiber, permanently eliminates the water peak in the 1400 nm wavelength band, thereby enabling high capacity and low cost metro Ethernet applications. AllWave Fiber also preserves the 1300 nm wavelength band and is therefore compatible with embedded metro transmission systems. With the permanent availability of the 1400 nm wavelength band, AllWave Fiber provides 50% more spectrum than conventional single-mode fiber taking metro Ethernet networks to higher capacity using low cost CWDM (Coarse Wavelength Division Multiplexing) in the E-band.

### **About TrueWave RS Fiber**

TrueWave RS Fiber, the world's first Nonzero Dispersion Fiber (NZDF), is optimized for long haul and regional metro networks. TrueWave RS Fiber delivers very long uncompensated reach in both the C- and L-bands of the optical spectrum. When compensation is required, OFS offers fully matched dispersion compensation modules for both bands. TrueWave RS Fiber is scalable, supporting growth to 40 GB/s transmission and beyond. TrueWave RS Fiber can also support 10GBASE-E (1550nm optics) to greater than the 40 km reach specified in the IEEE 802.3ae standard for conventional single-mode fiber due to its very low chromatic dispersion at 1550nm.

### **About OFS**

OFS is a world-leading designer, manufacturer and provider of optical fiber, optical fiber cable, connectivity, FTTx and specialty photonics solutions. Our marketing, sales, manufacturing and research teams provide forward-looking, innovative products and solutions in areas including Telecommunications, Medicine, Industrial Automation, Sensing, Government, Aerospace and Defense applications. We provide reliable, cost effective optical solutions to enable our customers to meet the needs of today's and tomorrow's digital and energy consumers and businesses.

OFS' corporate lineage dates back to 1876 and includes technology powerhouses such as

AT&T and Lucent Technologies. Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

For more information, please visit [www.ofsoptics.com](http://www.ofsoptics.com).

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