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News Release

OFS ULTRAWAVE® FIBER SPANS PACIFIC...AGAIN

OFC/ NFOEC 2008, Booth 1835, San Diego, CA, February 26, 2008 — OFS UltraWave fiber has once again demonstrated the capability for spanning trans-Pacific and other long distance submarine routes with DWDM systems operating at 10 Gb/s. In the past year the unique capabilities of this dispersion slope matched design have been put to use in several new long distance submarine projects in various regions of the globe.

To accomplish this, two OFS fiber types, UltraWave SLA fiber and UltraWave IDF™ fiber, are judiciously combined via high strength splicing in specific lengths between optical repeaters. This combination provides key advantages for ultra long haul systems with optical repeaters. The large mode field of the UltraWave SLA fiber permits high optical powers to be launched while the negative dispersion slope of the UltraWave IDF fiber cancels dispersion of the UltraWave SLA fiber. Exacting control of the length combination of these two fiber types results in an optimum dispersion map across a wide spectral range near 1550 nm. The result: a system that can transmit multi-Tera-bit transmission rates across the Pacific without regeneration or discrete dispersion compensation.

The UltraWave fiber design was initially deployed in 2000 to construct a trans Pacific cable between the US mainland and Japan that could support 2.56 Tb/s of capacity. Its superb technical performance in that system, along with on-going performance enhancements, make it the clear choice for all new trans-Pacific projects as well as other select long distance routes.

OFS submarine technology is based upon a long history of developing and manufacturing fibers for submarine systems. Beginning with the first trans-Atlantic crossing in 1988 (TAT-8) it has been used for many of the subsequent Atlantic and Pacific crossings as well as numerous repeatered and unrepeatered shallow water crossings. OFS now offers and supplies seven distinct submarine fiber designs that cover all applications.

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.

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