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News Release

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## **OFS DEMONSTRATES UNPRECEDENTED SERVICE USING CWDM ENHANCED PON FIBER-TO-THE-HOME ACCESS SYSTEM**

### ***Enables Cost-Effective Revenue-Generating Services***

**OFC, Booth 2141, Atlanta, GA. March 25, 2003** – OFS, designer, manufacturer, and supplier of leading edge fiber optic products, today announced the successful demonstration of a system architecture that enables the delivery of bandwidth rich services to consumers with fiber-to-the-home access.

The demonstration, based on Ethernet Passive Optical Network (EPON) architecture carrying Coarse Wavelength Division Multiplexing (CWDM) transmissions over OFS' industry leading zero water peak AllWave® fiber, is conducted in conjunction with scientists from OFS Labs and Bell Labs, the research and development arm of Lucent Technologies. The demonstration is on display at OFS' booth, 2141 at OFC 2003 in Atlanta, Georgia.

This demonstration illustrates how a CWDM PON overlay to an existing Power-Splitting PON (PS-PON) architecture can offer increased security and capacity to businesses by providing transparent wavelength services. The multiplexed, shared feeder helps the network provider save outside plant capital while serving business and residential customers. The flexibility allows residential access providers to offer the richest mix of revenue-generating, subscriber-friendly video delivery and data services.

“This solution, born in cooperation between OFS Labs and Bell Labs, will enable service providers to offer new revenue-generating services utilizing existing network architecture,” explained David Kalish, Chief Technology Officer at OFS. “By overlaying the CWDM technology over existing PON architecture, customers can reap bandwidth and subsequent revenues previously limited by their existing networks.”

"We are pleased to collaborate with OFS to investigate CWDM and PON technologies on AllWave fiber for new access applications," said Ed Szurkowski, Director of Information

Systems Research at Bell Labs. "We believe this combination could offer significant cost and capability benefits for service providers in new optical access networks."

The demonstration will showcase the solution's ability to transmit a variety of bandwidth-rich, high-speed baseband digital services to support voice, targeted and broadcast digital video, and business data. At the same time, and over the same network, it supports all analog video services. The transmission features digital rate data and CATV service integrated on a single 20-km (12.5 mile) feeder of AllWave fiber at Gigabit Ethernet line rates.

### **About Lucent Technologies**

Lucent Technologies, headquartered in Murray Hill, N.J., USA, designs and delivers networks for the world's largest communications service providers. Backed by Bell Labs research and development, Lucent relies on its strengths in mobility, optical, data and voice networking technologies as well as software and services to develop next-generation networks. The company's systems, services and software are designed to help customers quickly deploy and better manage their networks and create new, revenue-generating services that help businesses and consumers.

For more information on Lucent Technologies, visit its Web site at <http://www.lucent.com>.

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### **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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