



ENABLENCE TECHNOLOGIES INC.
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Enablence Launches Four New Optical Products

Ottawa, Canada – March 24, 2009 Enablence Technologies Inc. (TSX VENTURE:ENA), a global leader in optical communications which provides Planar Lightwave Circuit (PLC) based systems, subsystems and components for Fiber-to-the-Home (FTTH), metro and long haul markets, introduced new products and technologies at the Optical Fiber Communication Conference/National Fiber Optics Engineers Conference (OFC/NFOEC) in San Diego, California.

The new products include (1) a 40 Gb/s tunable optical dispersion compensator (TODC), (2) a multicast switch - one of the industry's most advanced switch, (3) high speed DWDM for Transmitter/Receiver Optical Sub-Assembly (TOSA/ROSA), and (4) a photodiode chip with integrated bandpass filter. The four new products apply the company's unique expertise in PLC and respond to the market's need for greater flexibility, integration and smaller footprint.

"Network designers want greater efficiencies from their components and we can deliver it using PLC," said Arvind Chhatbar, CEO of Enablence. "The ability to integrate multiple functions at the chip level not only reduces cost by reducing the overall bill of materials, it also simplifies the requirement while delivering the functionality in a fraction of the footprint. We are the only PLC company in the world with the in-house capability to manufacture polymer, InP/InGaAs and silica-on-silicon chips to meet these requirements."

(1) 40 Gb/s Tunable Optical Dispersion Compensator (TODC)

Dispersion occurs over long distance transmission; a TODC compensates for the broadening of the pulse. Enablence's new 40 Gb/s TODC provides the advantages of PLC technology in a critical function of high capacity metro and long haul and ultra long haul networks. It provides wide passband and large dispersion tuning in 40 Gb/s systems and automatically compensates for chromatic dispersion for all channels from +400 ps/nm to -1000 ps/nm across the C- and L-bands. The PLC chip manufactured at Enablence's Silicon Fab at the Fremont site eliminates all moving parts for increased reliability and simple manufacturability while providing industry-leading specifications including very low polarization mode dispersion (PMD), polarization dependent loss (PDL), fast tuning speed and low tuning power.

Prototype units with standard and customized specifications are available in three to six months to meet customer requirement.

(2) Industry's most flexible and advanced multicast switch

The 4x8 Multicast Switch Module is a cost-effective, PLC-based solution for colorless, directionless

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reconfigurable optical add/drop multiplexer nodes. It is also the only switch to accommodate a contentionless architecture, which avoids the service issues of delays and loss by providing dedicated parallel data paths through the switch - whereby the same channel from different directions can be dropped at the same time. The PLC-based switching technology provides greater reliability by eliminating moving parts and a small footprint.

Prototype units are ready for orders with volume production in three months and can easily be customized to meet customer requirements.

(3) Photonic Integrated Circuit (PIC) sub-assemblies for high speed DWDM systems

Traditional DWDM transmission systems rely on discrete sources, detectors, mux/demux, taps and monitors which must be manually interconnected with optical fiber. With these systems taking up approximately 10 times more space, the new platform for high capacity Transmitter Optical Sub-Assembly (TOSA)/Receiver Optical Sub-Assembly (ROSA) subsystems applies PLC technology for hybrid integration of laser diodes and photodetectors and AWG mux/demux in a compact chip.

The PIC based TOSA/ROSA devices will be initially used in long-haul DWDM transmission systems and allows forward-looking metro network operators to consider deployment of 100 G components at an earlier stage. Compatible with standard SMF-28 optical fiber, the PIC devices are based on a Telcordia-qualified PLC platform and are specifically designed to meet individual customer requirements.

(4) Photodiode with integrated bandpass filter

The new PDCS85F-XS is a bare die photodiode featuring an integrated shortpass/longpass, or bandpass optical filter. The filtered photodiode is manufactured on wafer level, reducing the number of components required and their associated costs. The chip has a large optical aperture of 85 microns and is optimized for digital and analog passive optical network (PON) applications up to 5 Gb/s. The integrated bandpass filter is centered at 1490 nm or 1555 nm, meeting both GPON and EPON requirements.


The PDCS85F-XS is immediately available in volume orders.

Enablence is at booth number 2823 at OFC/NFOEC and will have mechanical samples of the new products on site.

About Enablence Technologies Inc.

Enablence Technologies Inc., (TSX VENTURE:ENA) a publicly traded company headquartered in Ottawa, Canada, designs, manufactures and sells optical components, subsystems and systems to a global customer base.

Enablence's Optical Components and Subsystems Division is a global leader in applying Planar Lightwave Circuit (PLC) technology to integrate multiple components into a single optical chip to reduce footprint and costs. Network and equipment designers around the world turn to Enablence for a variety of components and subsystems for access, metro and long-haul including transceivers, splitters, waveguides, optical channel monitors, multiplexers, ROADMs, switches, tunable dispersion compensators, and photodiodes. The Division serves over 120 system and subsystem developers and its products have been integrated in all major



communications networks world-wide, serving tens of millions of subscribers.

Enablence's Systems Division has an expanding Fiber-to-the-Premises (FTTP) product portfolio featuring a variety of architectural options. It enables services providers to evolve their access networks from traditional copper-based networks to advanced optical communications access networks that are based on state of the art IP and Ethernet standards, for triple play voice, video and data services including HDTV, IP Telephony and ultrafast internet access. The Division's network equipment has been implemented at over 420 services providers world-wide that serve over 4 million subscribers. In November 2008, Pannaway merged into the Enablence Systems' Division.

Forward Looking Statements

The statements in this press release may contain forward looking statements that may involve a number of risks and uncertainties. Actual events or results, could differ materially from the Corporation's expectations and projections.

The TSX Venture Exchange has not approved this press release and does not accept responsibility for the adequacy or accuracy of this press release.

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