

Contact: Kevin L. Finnan, CSE-Semaphore, 860-618-0293 or kevinf@cse-semaphore.com;
John Nero, Tiziani Whitmyre, 781-793-9380 or jnero@tizinc.com

Semaphore announces SHDSL Dual Ethernet Modem

NASHUA, NEW HAMPSHIRE – April 2, 2008 – [Semaphore](#), a CSE Global company, announces availability of the S20 SHDSL Modem, which provides dual Ethernet transmission at high speeds over copper wire pairs. The new modem enables conversion of an existing copper wire infrastructure into a high-speed Ethernet network when installing a new [SCADA](#) or telemetry system, even if it spans distances previously unattainable by conventional DSL technology

The Semaphore S20 [SHDSL](#) Modem extends communication speed and reach without the additional investment of installing new communications media. An alternative to wireless technology, the S20 SHDSL Modem's unique repeater capability enables communications over existing copper wire networks spanning up to hundreds of kilometers. The modem is ideal for railway, pipeline, utility and power transmission applications that presently employ copper wire communications networks.

The S20 uses G.SHDSL (Symmetric High-bit rate Digital Subscriber Loop) technology for sending and receiving high-speed symmetrical data streams over a single pair of copper wires at rates between 192 kbps to 2.31 mbps. Also known as G.991.2, G.SHDSL is an international standard for symmetric DSL developed by the ITU.

Semaphore's implementation is a rugged design that is suitable for industrial applications, which require operation over a wide temperature range. The S20 provides transparent Ethernet connectivity and supports any standard, IP messaging such as Modbus TCP. Symmetric communication also allows video and voice transmission.

Configuration of the S20 is extremely simple and uses a web interface to display DSL and Ethernet port status and configure line speeds, network address, and authentication permissions.

Semaphore's connectivity products are ideal for a broad range of monitoring and control applications in the broadcast, infrastructure management, oil & gas, power, transportation and water treatment and distribution industries.

For more information about Semaphore SCADA solutions, visit www.cse-semaphore.com, or contact Semaphore at 15B Charron Avenue, Nashua, NH 03063, 603-577-3803.

About Semaphore

Established in 2006, Semaphore was the result of a merger of two CSE Global companies, RTUnet, of Australia, and TechnoTrade SA, of Belgium. For more than 20 years, these companies have provided leading solutions for telemetry, automation, and remote monitoring and have an installed base of more than 70,000 devices. For more information, visit www.cse-semaphore.com.

Semaphore is a wholly owned subsidiary of CSE-Global Limited (CSE), a Singapore-based, industrial integration, manufacturing and distribution group with locations in 20 countries. CSE employs more than 1,000 people worldwide, with over 85% representing its design, engineering, and project management capability and experience. For more information, visit www.cse-global.com.

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