Novazzano, September 12th 2011 – Paradox Engineering and Harris CapRock Communications, global provider of fully managed communications for remote and harsh environments, are joining forces to capture telemetry market and grow in the oil & gas industry. Harris CapRock has selected Paradox Engineering’s PE.WSNi as wireless sensor network solution for industrial data acquisition. PE.WSNi technology will be integrated in Harris CapRock’s TConnect solution to provide a cost effective and high performance connectivity platform.

With 1 million producing oil wells worldwide and an expected 42% increase of oil reserves in the next 10 years, the oil & gas industry needs to increase investments to control sites performance and ensure production efficiency. Comprehensive and reliable models of data collection, data transport and data analysis are essential to achieve these goals and meet the increasing need of real-time production monitoring.

TConnect represents a unique solution for any oil & gas company needing to develop a dedicated telemetry network with robust data pooling capabilities. Based on Harris CapRock’s VSAT satellite technology, TConnect provides an end-to-end flexible communication platform offering high performance, extreme efficiency in data transfers, ease of installation and maintenance.

The integration of PE.WSNi adds value to TConnect by enabling the development of a fully bidirectional network. PE.WSNi is an innovative wireless sensor network solution, the first on the market based on IETF open standards (6lowPAN) on sub-GHz ISM band for higher penetration and noise immunity. PE.WSNi features ultra low power technology and represents a fault tolerant, self organizing, self healing and adaptive solution, ensuring data reliability >99%. It stands the harshest conditions (it is IP67 and ATEX certified) and can be quickly and easily interfaced with any type of existing sensor or infrastructure.

“Wireless technology in sensor application domains enables significant benefits for businesses beyond traditional wiring mindset constraints, such as cost reduction, predictive maintenance improvement, condition monitoring and stronger asset management”, states Gianni Minetti, CEO at Paradox Engineering. “We are proud of collaborating with Harris CapRock and offering PE.WSNi as key component of TConnect platform. This solution allows oil & gas customers truly unlock the value of their data by successfully monitoring oil wells, refineries, production facilities and plants, even in remote or hard to reach locations”.

“Harris CapRock has taken the initiative to produce a highly optimized, extremely compact VSAT solution designed to address the demanding requirements of the Telemetry and Metering industries,” said Andrew Lucas, Global Operations Officer, Harris CapRock. “This solution provides the same extremely reliable and secure services that customers are accustomed from Harris Caprock. The combination of Paradox Engineering and Harris CapRock technology creates a unique enabler for the oil and gas and other sectors to implement real-time monitoring to the production workflows.”
In the next months Harris CapRock and Paradox Engineering will be meeting oil & gas customers to present TConnect, where the PE.WSNi is part of the service, and discuss how to implement efficient and reliable telemetry services (TConnect) and wireless sensor network solutions (PE.WSNi). The two companies attended Offshore Europe 2011 in Aberdeen, Scotland (September 6th-8th), and will be exhibiting at Offshore Communications 2011 in Houston, USA (November 8th-10th).

About Paradox Engineering

Paradox Engineering is a highly dynamic company that pioneers technologies to enable customers unlocking the value of their data. Industrial wireless sensor networks, smart metering, global virtual networks are key components of Paradox Engineering’s solution portfolio for any company implementing smart grid, energy management, condition and remote monitoring, industrial process monitoring, engineering and telemetry projects. Established in 2005 and headquartered in Switzerland, Paradox Engineering acts as a 'one stop shop' provider of turn key solutions and technologies on a truly global scale through a consolidated network of strategic partners.

For more information, please visit www.pdxeng.ch

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