FOR IMMEDIATE RELEASE:
June 20, 2012

NORTHPORT SYSTEMS AND GEMECO MARINE ACCESSORIES
INTRODUCE INNOVATIVE ACTISENSE® NMEA 2000® PRODUCTS

U.S. and Canadian Actisense Distributors Announce Availability of Groundbreaking NMEA Interfaces, Gateways and Cables Solutions

Toronto Canada and Lake City, S.C. – Northport Systems Inc. and Gemeco Marine Accessories, announced today the availability of intelligent National Marine Electronic Association (NMEA)-compliant interfaces, gateways and cables from Actisense®. Renowned for quality engineering and designs that protect and enhance the integrity of a boat’s electronic systems, the innovative NMEA 2000® product range is purpose-built to meet industry standards, greatly simplify installation and withstand the harsh marine environment.

Working closely with the NMEA, the manufacturer of Actisense products, Active Research Limited, is at the forefront of refining and updating marine industry standards, ensuring its interfaces, gateways and cables overcome the ease-of-use and interoperability issues commonly associated with marine electronics. Actisense interfaces, connectors and gateways allow systems to operate together, while ensuring electrical isolation and compliance with all NMEA 0183 and NMEA 2000® standards. Innovative Actisense NMEA-compliant solutions include:

NGT-1 NMEA 2000® Gateway
The Actisense award-winning NGT-1 is a full NMEA 2000® firewall gateway interface for PC or Mac systems. The intelligent gateway precisely transfers messages to and from the NMEA 2000® bus, with no loss of data. Offering full galvanic isolation on both the input and the output, the NGT-1 is supplied with an NMEA 2000® CAN bus connection and is available in two versions: a standard version with USB (NGT-1-USB) or a specialist version with RS422 serial connection (NGT-1-ISO). Configuration of the NGT-1 is performed via the connected software.

NMEA Reader PC Software Tool
The free Actisense NMEA Reader PC software tool allows NGT-1 owners to view and log data directly from an NMEA 2000® network. Breaking down the unreadable binary NMEA 2000® messages into easy to read values, the NMEA Reader is a helpful tool for user diagnostics. It can communicate with devices that are active on the NMEA 2000® network, help monitor the power

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demands of connected devices, and update Actisense products across the network from a single station.

**QPD-1 Quick Power Drop**  
The QPD-1 provides separated and protected power feeds to both left and right sides of the NMEA 2000® backbone. Utilizing built-in LEDs, the Quick Power Drop conveniently provides diagnostic capabilities by indicating the presence and the polarity of the power feed. Fuses can be removed independently, allowing easy isolation of either side of the backbone during diagnostic checks. Integrated low-drop, high-current Schottky diodes protect the backbone and the power sources from reverse polarity connections and potential back-feed.

Available in two versions, the QPD-1- PMW is fitted with standard NMEA 2000® nickel-plated brass M12 (micro-fit) connectors to allow for plug-and-play connections to a backbone using factory-made fixed length cables. The QPD-1-GLA is fitted with water-tight cable glands and screw fastening terminal block connectors for quick installation of custom-length NMEA 2000® backbone cables. Installation is quick and simple when using either version of the QPD-1.

**NGW-1 NMEA 0183 to NMEA 2000®**  
The NGW-1 NMEA 2000® bi-directional gateway makes it possible to convert NMEA 0183 data into NMEA 2000® data and vice versa. Removing the need to replace an NMEA 0183 device for it to work on a NMEA 2000® network, the NGW-1 is the ideal solution with full galvanic opto-isolation on both inputs and outputs. The unit is available in two versions, the standard NGW-1-ISO (bare wire) or the NGW-1-USB chartplotter option, allowing NMEA 0183 PC software bi-directional communication with an NMEA 2000® network. In addition, the NMEA Reader makes it possible for an NGW-1 user to view and understand the translated NMEA 0183 sentences output from the device.

**NGW-1-STNG Raymarine® SeaTalk NG Converter**  
The Actisense NGW-1-STNG enables users to convert NMEA 0183 data into SeaTalk NG and vice-versa, providing seamless integration with Raymarine products. Combining a standard NGW-1-ISO with a Raymarine SeaTalk NG adaptor cable, legacy instruments can interface with the NMEA 2000®-based SeaTalk NG bus.

**NGW-1-ISO-AIS**  
A pre-configured version of the standard NGW-1-ISO, the NGW-1-ISO-AIS enables conversion of NMEA 0183 AIS data to its NMEA 2000® equivalent. The NGW-1-ISO-AIS provides an out-of-the-box solution for quick installation with no configuration required.

**NMEA 2000® Micro Tee Connector**  
Designed and manufactured specifically for the marine electronics industry, Actisense NMEA 2000® Micro Tee Connectors are the first of their kind and ideal for use with the Actisense UL-certified NMEA 2000® cables and quality connectors. The Actisense Tees have two fastener holes that allow for easy cable installation and lock in place for a safe voyage.

**QNB-1 Quick Network Block**  
Compatible with NMEA 0183 buses and the NMEA 2000® network, the QNB-1 is two products in one. When used on an NMEA 0183 bus, the unit provides a junction box to easily connect multiple NMEA 0183 devices together. An NMEA talker device is connected to one of the network connection points, while each NMEA listener device is connected to the remaining connection points. When used in NMEA 2000® networks, the QNB-1 is a multi-drop backbone connection box with two backbone in/out connections and up to six drop connections, and a fused split power feed. A QNB-1-PMW version is also available and offers six Micro female drops for easy plug-and-play connection.
“All Actisense products are designed to simplify installation for builders, dealers and boat owners,” said Phil Whitehurst, managing director of Active Research Limited. “The Actisense NMEA 2000® products are unique and ideal connectivity solutions because of their sophistication and excellence in quality, as well as their innovative problem solving in advancing electronic solutions in the industry.”

Availability
The complete Actisense line of NMEA interfaces, gateways and cables are available for purchase in Canada from Northport Systems and in the U.S. from Gemeco Marine Accessories. For more information on Actisense products, pricing or to learn more about Northport Systems, Gemeco and their entire product lines, please visit www.actisense.ca or www.gemeco.com.

About Northport Systems Inc.: 
Established in 1995 in Toronto, Canada, Northport Systems Inc. (www.fugawi.com) now supplies desktop and mobile navigation and mapping software products and online maps, charts and services to over 130 countries under the Fugawi and X-Traversal brands. Northport enjoys a worldwide reputation as a leader in GPS mapping software and innovative GPS applications for the outdoor recreation and marine markets. Fugawi Software and Fugawi X-Traversal are properties of Northport Systems.

About Gemeco: 
Located in Lake City, South Carolina, Gemeco Marine Accessories is a wholesale distributor to thousands of marine electronics dealers throughout the USA and abroad. With over 30 years serving the marine electronics industry, Gemeco staff is regarded as industry experts in transducer selection, placement and technical assistance. The company also offers an array of additional marine accessories, including NMEA networking components, radar mounts, antenna and GPS mounts, electrical and wiring accessories, hard-to-find and specialty marine connectors, as well as electronic navigation charts and a broad range of installation and diagnostic tools.