May 10, 2011

Mercury Signal Processing Subsystems Support Spectral Dominance

New OpenVPX Building Blocks Enhance Support for EW/SIGINT Applications

CHELMSFORD, Mass., May 10, 2011 (BUSINESS WIRE) --

Mercury Computer Systems, a trusted provider of commercially developed ISR subsystems, announced new 3U and 6U OpenVPX™ modules in support of customers developing Electronic Warfare/Signals Intelligence (EW/SIGINT) applications. The new modules combine multiple technologies used in systems to detect, deceive and defeat electronic transmissions from opposing forces in missions ranging from radar targeting suppression to counter-IED.

"Today's electronic battlefield is defined by complex technical challenges," said Didier Thibaud, senior vice president and general manager of Mercury Computer Systems' Advanced Computing Solutions business unit. "Signals are elusive and move across a broader range of the spectrum, extending into extremely high frequencies. Mercury's signal processing subsystems help EW/SIGINT developers address these challenges, enabling a High Probability of Intercept (HPOI) for signals of interest and then the ability to locate, monitor or confuse those signals."

Mercury's new subsystem enhancements are based on powerful building-block components in both 3U and 6U OpenVPX standard form factors. Like all of Mercury's open architecture building blocks, these modules can be can be configured with other components, such as Radio Frequency (RF) tuners, into advanced Application Ready Subsystems™ (ARS™) as part of larger EW/SIGINT systems. Each ARS is a customized design with unique, application-specific capabilities. Examples include a close integration between RF and IF processing, support for wide instantaneous bandwidth, or the ability to directly digitize entire frequency bands. The individual modules can also be adapted by engineering services to specific program needs.

Building Block Examples

Two new 3U OpenVPX modules support sophisticated EW/SIGINT functionality on platforms with limited Size, Weight and Power budgets. The Ensemble HCD3210 processing module combines a Virtex-6 FPGA with a Freescale™ dual-core 8640D general purpose processor. An industry standard XMC site enables I/O directly into the module, making it a single-slot solution for data acquisition and multi-stage processing. The Ensemble SFM3010, an advanced multi-plane switching module, supports a low-latency, deterministic SRIO fabric data plane, a GigE switching control plane and an IPMI-based system management plane, enabling very sophisticated applications in the small 3U form factor.

Larger 6U OpenVPX subsystems are enhanced with the new Echotek® Series SCFE-V6-OVPX module, which supports three powerful Virtex-6 FPGAs, two industry standard VITA-57 FMC sites and a Linux-based control processor. The FMC sites can be configured with an extensive set of A/D and D/A converters, supporting a wide range of IF bandwidths and channel densities. Multiple 6U modules can be configured in scalable subsystems supporting multi-channel coherency, a critical capability for many EW/SIGINT applications.

Mercury Subsystem Benefits

In addition to advanced technical capabilities, Mercury's scalable signal processing solutions deliver program-level advantages to EW/SIGINT prime contractors. Developed using proven building blocks, these subsystems offer a high Technical Readiness Level (TRL) essential for mission critical applications. Integrated, tested and validated by Mercury, the subsystems help the primes reduce both technical and business risks, supporting compressed development cycles and faster deployment of new programs.

For more information, visit www.mc.com, or contact Mercury at 866. 627.6951 or info@mc.com.

Mercury Computer Systems, Inc. - Where Challenges Drive Innovation®

Mercury Computer Systems (www.mc.com, NASDAQ: MRCY) is a best-of-breed provider of open, commercially developed, application-ready, multi-INT subsystems for the ISR market. With 25+ years' experience in embedded computing, superior domain expertise in radar, EW, EO/IR, C4I and sonar applications, and more than 300 successful program deployments including Aegis, Global Hawk and Predator, Mercury's Services and Systems Integration (SSI) team leads the industry in

partnering with customers to design and integrate system-level solutions that minimize program risk, maximize application portability and accelerate customers' time to market.

Mercury is based in Chelmsford, Massachusetts, and serves customers worldwide through a broad network of direct sales offices, subsidiaries and distributors.

Forward-Looking Safe Harbor Statement

This press release contains certain forward-looking statements, as that term is defined in the Private Securities Litigation Reform Act of 1995, including those relating to the products and services provided for the products and services described above. You can identify these statements by the use of the words "may," "will," "could," "should," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," "likely," "probable, "and similar expressions. These forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. Such risks and uncertainties include, but are not limited to, general economic and business conditions, including unforeseen weakness in the Company's markets, effects of continued geopolitical unrest and regional conflicts, competition, changes in technology and methods of marketing, delays in completing engineering and manufacturing programs, changes in customer order patterns, changes in product mix, continued success in technological advances and delivering technological innovations, continued funding of defense programs, the timing of such funding, changes in the U.S. Government's interpretation of federal procurement rules and regulations, market acceptance of the Company's products, shortages in components, production delays due to performance quality issues with outsourced components, inability to fully realize the expected benefits from acquisitions and divestitures or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, changes to export regulations, increases in tax rates, changes to generally accepted accounting principles, difficulties in retaining key employees and customers, unanticipated costs under fixed-price service and system integration engagements, and various other factors beyond our control. These risks and uncertainties also include such additional risk factors as are discussed in the Company's filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2010. The Company cautions readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. The Company undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement is made.

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Photos/Multimedia Gallery Available: http://www.businesswire.com/cgi-bin/mmg.cgi?eid=6715756&lang=en

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