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Mercury Computer Systems Extends Open Innovations for Electronic Warfare Applications

Company supports Defense and Homeland Security missions by integrating powerful open-standards technology across the signal processing chain

CHELMSFORD, Mass., May 19, 2010 (BUSINESS WIRE) --Mercury Computer Systems, Inc. (NASDAQ: MRCY), a leading provider of open, embedded, high-performance computing systems, software, and services for image, sensor, and signal processing applications, announced the latest round of enhancements for Electronic Warfare (EW) applications in the form of three new components for its Echotek® Series product line, designed according to the VME, VXS, and XMC open industry standards.

Now available are (1) a dual-channel wideband microwave tuner, highly attractive to new EW programs based upon its ability to tune faster than any receiver in the industry; (2) an 8-channel 6U VME or VXS digital receiver; and (3) a small form factor, multi-channel digital receiver. Integrated into a system with powerful downstream processing power, these innovations unleash new capabilities such as fast and sophisticated direction finding.

"We can now enable large coherent channel count systems: 2, 4, 8, 16, 24, and beyond. This includes precise synchronization across multiple channels of Gbaud streaming data after digitization," said Marc Couture, Director of Application Engineering at Mercury. "Over and above that functionality, we provide the infrastructure for the analog/digital application data flow from tuner to network."

In current wartime conflicts, EW applications often must detect, tune to, and locate an RF transmission in an extremely brief period of time. This technical challenge is compounded by the need to rapidly develop and deploy new application capabilities, sometimes on small platforms operating in harsh environments. Mercury helps address these challenges by continuing to develop innovative technologies, then integrating them together across the signal processing chain to create powerful, effective solutions.

One of Mercury's innovative new products, the RFM-1802 6U VME module, operates in the signal acquisition portion of this processing chain. Combining channel density with ultra-fast tuning speed and low phase noise, it is the most powerful wideband microwave tuner available on the market. A single channel of the RFM-1802 views a very wide instantaneous bandwidth over an even larger frequency range. This window can be shifted, or retuned, in a nearly instantaneous manner, allowing systems to track sophisticated, modern-day waveforms.

The RFM-1802 is complemented by a new 8-channel option added to Mercury's DCM-V5-VXS and DCM-V5-VME Virtex-5 based digital receivers. This family of digital receivers offers the ideal set of A/Ds for sampling the available IF outputs of the RFM-1802, and it includes the necessary FPGA resources for implementing application-specific signal processing functions.

Also new is the DCM-V6-XMC digital receiver, implementing a flexible Virtex-6 FPGA-based architecture in a space-efficient mezzanine card form factor. This small, open-standard component delivers great channel density when integrated with VXS or OpenVPX™ carriers such as Mercury's Ensemble™ Series HCD5220 or HCD6220.

For more information and availability on Mercury's comprehensive line of Echotek Series mixed-signal products, visit www.mc.com/echotek, 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) provides open, embedded computing systems, software, and services that combine image, signal, and sensor processing with information management for data-intensive applications. With deep expertise in optimizing algorithms and software and in leveraging industry-standard technologies, we work closely with customers to architect comprehensive, purpose-built solutions that capture, process, and present data for defense electronics, semiconductor equipment manufacturing, commercial computing, homeland security, and other computationally challenging commercial markets. Our dedication to performance excellence and collaborative innovation continues a 25+-year history in enabling customers to gain the competitive advantage they need to stay at the forefront of the markets they serve.

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 Echotek Series products described herein. You can identify these statements by our use of the words "may," "will," "should," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," 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 geo-political 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 or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, and difficulties in retaining key customers. These risks and uncertainties also include such additional risk factors as are discussed in the Company's recent filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2009. 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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Mercury Computer Systems, Inc.
Kathleen Sniezek, 978-967-1126
Public Relations Manager
ksniezek@mc.com