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Mercury's High Density Server-Class Processing Solutions Exceed Objectives in US Air Force-led Open Architecture Study

Study Results Represent Breakthrough in Open Systems Architectures for Airborne Radar Processing

CHELMSFORD, Mass., Sept. 2, 2015 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) (www.mrcy.com), announced the results of its participation in the US Air Force-led Next Generation Radar (NGR) Processor Study. The goal of this program is to assess the capability of current embedded computing open architectures to perform airborne radar signal processing on future USAF platforms. Mercury demonstrated that its scalable and rugged high-density server modules exceeded the target benchmarks in the study, enabling affordable capability evolution of radar processors through open, non-proprietary and standards-based systems for airborne solutions.

"Mercury's exceptional performance in this study reflects our ongoing investment and commitment to delivering the most powerful OpenVPX™ processing modules in the embedded computing industry," said Ian Dunn, Vice President and General Manager of Mercury's Embedded Products Group. "Now in its fourth generation, our powerful, open standards-based Ensemble® HDS660x modules meet the DoD's expectations for affordability, security, modularity and OSA requirements and can be deployed in harsh environments to take cloud processing for military and aerospace applications right to the tactical edge."

As part of the study Mercury was required to satisfy stringent performance requirements when executing USAF-provided ground moving target indicator (GMTI) and synthetic aperture radar (SAR) benchmarks. These benchmarks posed real-world processing requirements representative for previously fielded and future planned airborne systems. A dense configuration of three Mercury HDS6603 high density server processing modules surpassed the study's most demanding performance thresholds, providing in excess of 4 TFLOPS of computing power resulting in the most capable COTS processing system yet to be tested.

Introduced by Mercury last year, the Ensemble® HDS6603 is the fourth generation of Mercury's high density Intel® Xeon®-based processing modules, with dual 12-core Intel "Haswell" e5 server-class processors, enhanced rugged packaging, 64 GB DRAM memory and dual QPI interconnect to support 24 cores with hyperthreading. Leveraging Intel's "Ivy Bridge" architecture, each module features high-speed fabric interfaces for sensor data exchange and a dual x16 PCIe Gen3 expansion plane. All Ensemble high density processing modules are available in air-cooled, conduction-cooled, Air Flow-By™ and Liquid Flow-By™ packaging options.

An HDS6603-based system meeting the USAF-provided pod-class size, weight and power (SWaP) requirements supports nearly 100% growth beyond the already challenging study performance objectives. This open architecture solution also can easily be scaled to a cabin-class solution of more than 20 TFLOPS of processing power while remaining well within the SWaP requirements provided by the USAF for this class of application.

For more information on Mercury's high performance secure processing solutions, visit www.mrcy.com or contact Mercury at (866) 627-6951 or info@mrcy.com.

Mercury Systems - Innovation That Matters™

Mercury Systems (NASDAQ:MRCY) is the better alternative for affordable, secure and sensor processing subsystems designed and made in the USA. Optimized for program and mission success, Mercury's solutions power a wide variety of critical defense and intelligence applications on more than 300 programs such as Aegis, Patriot, SEWIP, F-35 and Gorgon Stare. Headquartered in Chelmsford, Massachusetts, Mercury Systems is a high-tech commercial company purpose-built to meet rapidly evolving next-generation defense electronics challenges. To learn more, visit www.mrcy.com.

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 described herein. You can identify these statements by the use of the words "may," "will," "could," "should," "would," "plans," "expects," "anticipates," "continue," "estimate," "project," "intend," "likely," "forecast," "probable," "potential," 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, continued funding of defense programs, the timing and amounts of such funding, 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, changes in, or in the U.S. Government's interpretation of, federal export control or procurement rules and regulations, market acceptance of the Company's products, shortages in components, production delays or unanticipated expenses due to performance quality issues with outsourced components, inability to fully realize the expected benefits from acquisitions and restructurings, 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, 2015. 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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A photo accompanying this release is available at <http://www.globenewswire.com/newsroom/prs/?pkgid=35778>

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USAF MQ-9 Reaper. Courtesy U.S. Air Force