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Mercury Computer Systems Delivers Radar Processing Subsystem to Support Dismount Detection

Optimized Algorithms and High-performance Embedded Computing Integrated into GA-ASI Lynx Advanced Multi-channel Radars

CHELMSFORD, Mass., Dec 01, 2010 (BUSINESS WIRE) --

Mercury Computer Systems, Inc. (NASDAQ: MRCY, www.mc.com), a trusted ISR subsystems provider, announced that it is delivering embedded computing subsystems to General Atomics Aeronautical Systems, Inc. (GA-ASI) for use within the Lynx[®] Block 25 Dual Beam radar. The Dual Beam radar recently demonstrated dismount detection capability during flight tests using a Predator[®]-class unmanned aircraft. During the flight tests, the Dual Beam radar was specifically evaluated for dismount (personnel walking or running) detection performance over its full field-of-regard.

"We are happy to be able to contribute to the continued success of our long time customer, General Atomics Aeronautical Systems," said Brian Hoerl, vice president of sales at Mercury Computer Systems, Inc. "Our subsystems support multiple generations of Lynx radars. We've delivered the performance improvements needed for new capabilities while supporting software portability across the generations."

Mercury supplied subsystems with faster processing components and enhanced memory to support the enhanced radar performance. Mercury consultants also assisted with the development and optimization of algorithms for Space Time Adaptive Processing (STAP), a critical function within the Dual Beam radar.

For more information on Mercury's performance advantage in delivering leading-edge, open-architecture computing systems and services, visit www.mc.com/products/services.aspx, 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, 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 team leads the industry in partnering with defense and commercial 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 to General Atomics as described above. You can identify these statements by the 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 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.

Challenges Drive Innovation is a registered trademark of Mercury Computer Systems, Inc. Lynx and Predator are registered trademarks of General Atomics Aeronautical Systems, Inc. Other product and company names mentioned may be trademarks and/or registered trademarks of their respective holders.

SOURCE: Mercury Computer Systems, Inc.

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