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Mercury Computer Systems is Selected by Lockheed Martin to Provide TFLOPS of Computing Power for State-of-the-Art Military Radar

Mercury PowerStream® 7000 system to provide massive compute density for multi-mission applications in defense and homeland security

CHELMSFORD, Mass., Jan. 23 /PRNewswire-FirstCall/ -- Mercury Computer Systems, Inc. (NASDAQ: MRCY), a leading provider of embedded, high-performance computing systems and software for image, sensor, and signal processing applications, announced that it was selected by Lockheed Martin's (NYSE: LMT) Surface/Sea-based Missile Defense line of business to provide massive computing density and bandwidth for a new state-of-the-art radar system.

Lockheed Martin's Scalable Solid State S-band Radar (S4R) engineering development model is an electronically scanned, active phase-array radar system designed to support multiple naval missions including air surveillance, cruise missile defense, sea-based ballistic missile defense, counter target acquisition, and littoral, or shoreline, operations. The S4R employs the compact, rugged Mercury PowerStream® 7000 as the digital beamforming (DBF) signal processor, today's most advanced approach to phased-array antenna pattern control. DBF offers significant performance advantages over conventional analog beamforming, including the significantly increased radar timeline efficiency, which is needed to support the simultaneous multi-mission capability described above.

"Lockheed Martin successfully demonstrated live, multi-beam DBF search and track twenty-one days after the DBF signal processor was delivered to the S4R test site," said Jim Judd, Lockheed Martin's director of computer and digital systems engineering. "The performance leap provided by the S4R DBF capability enables Lockheed Martin to continue to provide the state-of-the-art multi-mission radar products required by our customers."

For more than a decade, Mercury has delivered leading-edge computing solutions to Lockheed Martin for signal processing applications. Mercury provided the VME-based multicomputer which is embedded in the Aegis Ballistic Missile Defense Signal Processor (BSP) Advanced Development Model (ADM) for the SPY-1 radar. Next-generation Mercury PowerStream® 7000 multicomputer products will be deployed in multiple new Lockheed Martin Naval radar systems, the first of which goes into initial production in 2009.

"We're pleased to continue our strong relationship with Lockheed Martin, and to help bring their highly innovative radar system to production with digital beamforming capability running on the most powerful embedded computer available," said Didier Thibaud, Senior Vice President and General Manager of Advanced Computing Solutions at Mercury.

Delivery of the PowerStream 7000 is planned for 1QCY09. For more information on Mercury's innovative solutions for next-generation warfare, visit www.mc.com/defense, 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 embedded computing systems and software 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, 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 PowerStream 7000 system or to products and services provided to Lockheed Martin. 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 filings with the U.S. Securities and Exchange Commission, including its Annual Report on Form 10-K for the fiscal year ended June 30, 2008. 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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