Mercury Systems Unveils Defense Industry's Smallest Secure SSD with Self-Destruct Capability in BGA package

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Precision-engineered for SWaP-constrained embedded systems deployed in harsh, insecure environments

ANDOVER, Mass., May 01, 2018 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) (www.mrcy.com) announced the beginning of customer engagements for its new TRRUST-Stor® secure solid state drive (SSD) optimized for embedded computing applications in forward-deployed defense environments. Available in host-accessible capacities up to 256 GB, the new device features triple-level cell (TLC) NAND flash memory operating in single-level cell (SLC) mode combined with advanced BuiltSECURE ™algorithms in a ruggedized, ultra-compact 22mm x 32mm ball-grid array (BGA) package. The device's ARMOR ™6 processor seamlessly integrates certified cryptographic algorithms, encryption key purge, device sanitization and non-thermal self-destruct capabilities into a single device. This low-profile SSD device is ideal for applications requiring on-board high-speed, secure storage in SWaP-constrained environments such as aircraft, unmanned systems and mobile ground applications including secure laptops and tablets.

Mercury's TRRUST-Stor® Ball-Grid Array Solid State Drive
(SSD)

The increase in critical sensor data collected by modern defense computing systems burdens embedded board design engineers to integrate on-board data storage solutions for maximum space savings without sacrificing storage capacity, performance, speed or security. A multifaceted approach to the implementation of security is required to address all possible operating scenarios. State-of-the-art encryption technologies free of key bypass mechanisms must be paired with advanced key management techniques and device sanitization protocols. Successfully achieving this objective ensures that access to high-value data is restricted only to those individuals with proper authorization.

While TLC flash technology is ideal for high-capacity data storage in a smaller footprint than multi-level cell (MLC) and SLC technologies, its reliability and performance in military operating environments has been disputed until today. Mercury has eliminated these threats by custom-engineering a new variant of its ARMOR processor specifically for this new commercial memory technology enabling it to operate in SLC mode for high reliability and long-term endurance while sustaining high-speed read/write operations. Additionally, Mercury has successfully embedded a suite of customizable self-destruct protocols that are initiated and executed without the use chemical reactions or heat. These protocols safely render the device inoperable in the event of device capture and reverse-engineering attempts by adversaries.

"Our new ultra-compact SSD device blends the most advanced commercial flash memory technology, our core expertise in advanced packaging and our new BuiltSECURE algorithms to deliver assured data integrity in harsh operating environments," said Iain Mackie, Vice President and General Manager of Mercury's Microelectronics Secure Solutions group. "It is our duty to deliver the best commercial technologies to the defense community without compromising security, performance or data integrity. We are proud to leverage Mercury's next-generation business model to commercialize this innovation for our military forces around the world."

Mercury's ARMOR processor and its entire portfolio of secure storage solutions are designed and manufactured in a Defense Microelectronics Activity (DMEA)-accredited facility for design, packaging, test and broker services. The company's unwavering commitment to security extends far beyond product design and manufacturing, into the cadence of its daily operations. Several of Mercury's facilities have been recognized for excellence by receiving a Superior rating from the Defense Security Service (DSS).

Mercury's application engineering team is ready to assist customers with the integration of the new TRRUST-Stor SSD into their complex embedded computing environments. For application assistance, additional product information or purchase inquiries, customers can visit www.mrcy.com/Smallest-SSD or contact Mercury at Secure.SSD@mrcy.com or (866) 627-6951.

Mercury Systems – Innovation That Matters ™
Mercury Systems is a leading commercial provider of secure sensor and safety-critical processing subsystems. Optimized for customer and mission success, Mercury's solutions power a wide variety of critical defense and intelligence programs. Headquartered in Andover, Mass., Mercury is pioneering a next-generation defense electronics business model specifically designed to meet the industry's current and emerging technology needs. 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 fiscal 2018 business performance and beyond and the Company's plans for growth and improvement in profitability and cash flow. 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 any U.S. Federal government shutdown or extended continuing resolution, 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 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 cyber-security regulations and requirements, changes in tax rates or tax regulations, 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, 2017. 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 announcement is available at http://resource.globenewswire.com/Resource/Download/be74df93-0cf0-43f5-b0db-5fe9d9602561

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