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## **Mercury Systems Announces Safety-Certifiable, Multi-Core Software Renderer**

### **High-Performance CPU Graphics Implementation Designed for DAL A and ASIL D**

ANDOVER, Mass., Sept. 14, 2017 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) ([www.mrcy.com](http://www.mrcy.com)) announced the availability of its BuiltSAFE™ GS Multi-Core Renderer. Part of the BuiltSAFE Graphics Suite, the software renderer runs on a multi-core CPU and is certifiable to DO-178C at the highest design assurance level (DAL A) as well as ASIL D for automotive safety. The multi-core implementation overcomes the performance issues typically associated with software-only graphics solutions. By using scalable CPU-based graphics, this software-only solution eliminates the need to certify GPU hardware for the highest levels of safety and address the obsolescence issues associated with GPU devices and the associated graphics memory chips.

For systems that include a GPU, the BuiltSAFE GS Multi-Core Renderer can be part of a hybrid solution that uses software-based graphics on the CPU for DAL A level processing and GPU graphics for the highest performance where only DAL C or lower levels of assurance is required. This configuration can be particularly useful in avionics systems where the primary flight display elements need to operate at DAL A whereas the mission display elements can operate at DAL C and can benefit from increased graphics capabilities.

"Mercury's multi-core software renderer has the unique advantages of being both certifiable to DAL A and scalable in performance by choosing the number of cores allocated," said Rob Atkinson, Sales and Marketing Director for Mercury Mission Systems. "This combination of safety, flexibility, and performance makes the BuiltSAFE GS Multi-Core Renderer unparalleled in the industry."

The BuiltSAFE Software Renderer has scalable support for multiple cores, multiple partitions, and multiple screens. Certification evidence is available for flight safety DO-178C DAL A, industrial safety IEC-61508 SIL 4, and automotive safety ISO-26262 ASIL D.

Mercury's expertise and experience in the highest Design Assurance Levels (DAL) of safety-certifiable solutions have been built on successful execution of dozens of programs over three decades. This domain knowledge is the foundation of the BuiltSAFE™ portfolio of open architecture modules, systems, and software for avionics, communications, video servers, and mission computing.

The BuiltSAFE™ GS Multi-Core Renderer is available for Intel, PowerPC, and ARM-based multicore processors and has been optimized to run on the Green Hills Integrity-178 tuMP™ operating systems.

"Our close collaboration with Mercury Systems has yielded a multicore graphics solution for DO-178B/C, Level A compliance," said Dan O'Dowd founder and chief executive officer of Green Hills Software. "Mercury's experienced aviation industry staff combined with their innovative graphics solutions has enabled Green Hills Software to recommend safety-critical graphics solutions that our customers can rely on."

Contact Mercury for additional operating system optimizations. For more information on the multi-core renderer, visit [www.mrcy.com/renderer](http://www.mrcy.com/renderer) or contact Mercury at (866) 627-6951 or [info@mrcy.com](mailto:info@mrcy.com).

### **Mercury Systems — Innovation That Matters™**

Mercury Systems (NASDAQ:MRCY) is a leading commercial provider of secure sensor and mission 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](http://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, increases in interest rates, 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, 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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