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Mercury Systems Announces Safety Certifiable Graphics for Xilinx Zynq UltraScale+ MPSoC

BuiltSAFE Software Renderer Enables DAL-A Graphics on ARM Cortex-A53 Cores

ANDOVER, Mass., Nov. 01, 2017 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) (www.mrcy.com) announced the BuiltSAFE™ GS Multi-Core Renderer for the Xilinx® Zynq® UltraScale+™ MPSoC family. Part of the BuiltSAFE Graphics Suite, the Multi-Core Renderer runs on the multi-core ARM® Cortex® A53 processor inside the MPSoC and is certifiable to DO-178C at the highest design assurance level (DAL-A) as well as the highest Automotive Safety Integrity Level (ASIL D).

The BuiltSAFE GS Multi-Core Renderer is a high performance, small footprint OpenGL library designed to render highly complex 3D graphics in safety-critical embedded systems. Unlike traditional software renderers that run on a single CPU core, the performance of the Multi-Core Renderer scales up with more CPU cores. Because it runs on the CPU, the Multi-Core Renderer enables high-quality graphics applications to be run on Zynq Ultrascale+ CG variants, which are not equipped with a hardware graphics core. Even variants of the Zynq Ultrascale+ that do include a graphics core can benefit from the easier certification processes of the Multi-Core Renderer.

Hardware certification requirements (DO-254/ED80) present huge challenges when using a graphics-processing unit (GPU), and the BuiltSAFE GS Multi-Core Renderer is the ideal solution to this problem. It uses a deterministic, processor architecture-independent model optimized for any multicore-based platform to maximize performance and minimize power usage. All of the BuiltSAFE Graphics Libraries use industry standard OpenGL API specifications that are compatible with most new and legacy applications, but it can also be completely tailored to meet any customer requirements.

"The BuiltSAFE Graphics Suite is an ideal solution for high reliability applications requiring advanced graphics output from MPSoC devices," said Robert Atkinson, Sales and Marketing Director for Mercury Mission Systems. "Because the Multi-Core Renderer runs solely on the CPU, high-level safety certification is easier to achieve, accelerating time to deployment."

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, automotive, communications, video servers, and mission computing. In conjunction with the BuiltSAFE Graphics Suite, Mercury also offers certification services to take customers through the process of attaining DO-178C, DO-254, or ISO-26262.

For more information on the BuiltSAFE GS Multi-Core Renderer, visit www.mrcy.com/renderer or contact Mercury at (866) 627-6951 or 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.

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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