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## **Mercury Systems Introduces Industry's First COTS Safety-Certifiable OpenGL Graphics Library for Intel Atom Processor Families**

### **Mercury's BuiltSAFE OpenGL Library with Green Hills INTEGRITY-178 tuMP Real-Time Operating System Delivers the Highest Level of Functional Safety for Graphics Intensive Applications**

ANDOVER, Mass. and SANTA BARBARA, Calif., Oct. 03, 2017 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ:MRCY) ([www.mrcy.com](http://www.mrcy.com)) and Green Hills Software ([www.ghs.com](http://www.ghs.com)) announced the commercial availability of Mercury's BuiltSAFE™ GS OpenGL library for the Intel® Atom® processor E3900 and A3900 series (formerly code-named Apollo Lake), both of which are integrated with the Green Hills safe and secure INTEGRITY-178 tuMP® real-time operating system (RTOS). All BuiltSAFE graphics libraries are designed for certification to the highest software assurance and functional safety (FuSa) levels including Aviation (RTCA/DO-178C Level A), Automotive (ISO 26262 ASIL D), Industrial (IEC 61508 SIL3) and CENELEC/Railway (EN 50128 SWSIL4) standards.

"Mercury is committed to leadership in safety-certifiable graphics software, offering the industry's first OpenGL graphics library for Intel Atom processors designed for use in systems requiring the highest levels of functional safety," said Ian Dunn, Vice President and General Manager of Mercury's Sensor and Mission Processing group. "Combining our BuiltSAFE graphics libraries with the safety-proven INTEGRITY real-time operating system enables our mutual customers with the support required to safely incorporate the latest generation display solutions in the most critical safety functions across a broad FuSa market use."

Mercury's OpenGL Library for the Intel Atom processor E3900 and A3900 series with hardware accelerated Gen9 graphics is highly optimized to leverage the safety features of Green Hills Software's INTEGRITY real-time operating system without sacrificing performance. Running as an INTEGRITY native driver, the graphics library will provide complete Khronos-conformant support for OpenGL ES 2.0 and SC 2.0.

"We chose to offer BuiltSAFE graphics libraries from Mercury Systems to our customers for safety certifiable, standards-based graphics because of their deep, in-house certification expertise as well as their decades of experience with high-performance graphics drivers," said Dan Mender, Vice President, Business Development at Green Hills Software. "Taken together, the combined offering of Green Hills INTEGRITY-178 tuMP, Mercury's BuiltSAFE GS OpenGL library, and Intel Atom forms a complete solution for the most challenging HMI-based safety-critical applications."

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. The BuiltSAFE Graphics Suite leverages intellectual property from Mercury's recent acquisition of Richland Technologies, LLC.

The BuiltSAFE OpenGL library is available directly from Mercury Systems or from Green Hills Software when running on its INTEGRITY-178 tuMP and INTEGRITY RTOS's. For more information on the BuiltSAFE Graphics Suite, visit [www.mrcy.com/graphicssuite](http://www.mrcy.com/graphicssuite) 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).

#### About Green Hills Software

Founded in 1982, Green Hills Software is the largest independent vendor of embedded development solutions. In 2008, the Green Hills INTEGRITY-178 RTOS was the first and only operating system to be [certified by NIAP \(National Information Assurance Partnership comprised of NSA & NIST\)](#) to EAL 6+, High Robustness, the highest level of security ever achieved

for any software product. Our open architecture integrated development solutions address deeply embedded, absolute security and high-reliability applications for the military/avionics, medical, industrial, automotive, networking, consumer and other markets that demand industry-certified solutions. Green Hills Software is headquartered in Santa Barbara, CA, with European headquarters in the United Kingdom. Visit Green Hills Software at [www.ghs.com](http://www.ghs.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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