Mercury launches industry-first safe, SOSA aligned mission computer

May 16, 2022

Mercury Systems AAMP Mission Computer

Mercury's new Avionics Modular Mission Platform (AMMP), is the industry's first and only SOSA aligned, DAL-certifiable, 3U OpenVPX™ mission computer and is ideally suited to a wide range of platforms including rotary- and fixed-wing aircraft, ground stations and unmanned aerial vehicles.

Open standards-based DAL-certifiable system delivers up to 40x more performance than current-generation computers while saving space, power and costs

ANDOVER, Mass., May 16, 2022 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ: MRCY, www.mrcy.com), a leader in trusted, secure mission-critical technologies for aerospace and defense, today announced the new Avionics Modular Mission Platform (AMMP), the industry's first and only SOSA aligned, DAL-certifiable, 3U OpenVPX™ mission computer. Featuring the latest Intel® Core™ i7 safety-certifiable processors, AMMF delivers up to 40x more performance than current-generation avionics computers while drawing 50% less power and is ideally suited to a wide range of platforms including rotary- and fixed-wing aircraft, ground stations and unmanned aerial vehicles.

Why It Matters:
By leveraging AI and autonomous capabilities, Mercury's modular scalable mission computer improves decision accuracy and response times for pilots, making the pilots and their aircraft safer and more capable.

"Safety-certified flight mission computers are often built with custom or proprietary architectures that make them difficult and expensive to maintain and upgrade," said Jay Abendroth, vice president, Mercury Mission. "In contrast, our new AMMP system offers the perfect combination of cutting-edge commercial processing, DAL-A artifacts and alignment with the sensor open systems architecture (SOSA) specification. This cutting-edge technology is a great example of how our strategy and investments in secure processing, trusted microelectronics, and open mission systems are serving as the engines of growth in the business. It also aligns well with the DoD's need for open mission systems supporting their modular open systems approach (MOSA) mandate."

Mercury's AMMP is purpose-built to support advanced and real-time safety-critical applications such as mission management, sensor fusion/processing, surveillance, 5G communications and artificial intelligence. The computer comes integrated with Mercury's BuiltSAFE™ commercial-off-the-shelf (COTS) multi-core single board computers, avionics IO, video processing and software to deliver flawless performance. while simplifying integration and the certification process, saving customers valuable time and money.

Built with open architectures and the latest safety-certifiable commercial technology

- SOSA aligned architecture for faster integration and sustainment at a lower cost
- Multiple Intel® Core™ i7 Gen 11 processors with integrated GPUs for increased performance
- A range of avionics I/O including ARINC-429 to capture and distribute HD video
- Fully configurable, independent 3U boards to run multiple, mixed safety workloads
- Rugged, compact, and low power design to reduce risk and save aircraft resources
- Green Hills, Lynx and Linux board support packages to achieve FAA CAST-32A objectives

Mercury can also integrate a display, mapping system, cockpit management system and sensors with AMMP to maximize interoperability, optimize display performance and save customer integration time.

Mercury envisions, creates, and delivers innovative technology solutions purpose-built to meet their customers' most pressing high-tech needs. Visit the AMMP product page for more information or contact Mercury at (866) 627-6951 or mission@mrcy.com.

About the SOSA Consortium
The Open Group Sensor Open Systems Architecture™ (SOSA) Consortium aims to create a common framework for transitioning sensor systems to an open systems architecture, based on key interfaces and open standards established by industry-government consensus. The SOSA Consortium enables government and industry to collaboratively develop open standards and best practices to enable, enhance, and accelerate the deployment of affordable, capable, interoperable sensor systems.
For more information about the SOSA Consortium, please visit www.opengroup.org/content/sensor-open-systems-architecture-sosa.

Mercury Systems – Innovation That Matters®
Mercury Systems is a global commercial technology company serving the aerospace and defense industry. Headquartered in Andover, Mass., the company delivers trusted, secure open architecture processing solutions powering a broad range of mission-critical applications in the most challenging and demanding environments. Inspired by its purpose of delivering Innovation that Matters, By and For People Who Matter, Mercury helps make the world a safer, more secure place for all. To learn more, visit mrcy.com, or follow us on Twitter.

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 and to fiscal 2022 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 epidemics and pandemics such as COVID, 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, changes in, or in the interpretation or enforcement of environmental 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, restructurings and value creation initiatives such as 1MPACT, or delays in realizing such benefits, challenges in integrating acquired businesses and achieving anticipated synergies, increases in interest rates, changes to industrial security and cybersecurity regulations and requirements, changes in tax rates or tax regulations, changes to interest rate swaps or other cash flow hedging arrangements, 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 July 2, 2021. 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:
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