



New radar environment simulator simplifies system testing

February 24, 2021

Modular design with easy-to-use graphical interface minimizes radar testing time and cost

ANDOVER, Mass., Feb. 24, 2021 (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 ARES3100 Advanced Radar Environment Simulator (ARES), ideal for testing demanding radar applications ranging from anechoic chamber and open-air range (OAR) to laboratory-based production testing and comprehensive radar performance evaluation.

"New radar technologies, such as synthetic aperture radar (SAR) imaging, as well as increased agility and a wide spectral range – coupled with the introduction of cognitive electronic warfare (EW) jamming techniques – have dramatically increased the complexity of radar testing," said Mark Bruington, vice president and general manager, Mercury Spectrum Systems. "Traditionally, these systems are tested on the range during flight tests, which can easily cost tens of thousands of dollars per hour. Security risks can also arise with open-air range testing, as the locations are generally not as secure as controlled laboratory locations. With Mercury's radar environment simulator solutions, radar systems can be tested, validated and optimized in the safety and security of the lab, saving our customers money and time. Customers get more accurate results faster, which lowers cost and ensures aircrew safety."

Unlike costly custom-designed solutions, ARES includes a high-performance open architecture, configurable with a variety of hardware and software options to provide a high degree of signal realism, modeling multiple targets, jamming threats and atmospheric effects. The easy-to-use graphical user interface offers an optimal out-of-the-box experience with minimal system setup. The ARES3100 includes an extensive library of waveforms to simulate real-world environments with proven technology to replicate field testing within a safer, more controlled environment. With 40 years of innovation in aerospace and defense, Mercury offers robust radar environment simulators that work better with less development time than custom systems built in-house.

Operating at the intersection of high-tech and defense, Mercury Systems is the leader in making trusted, secure mission-critical technologies profoundly more accessible. Our work is inspired by our Purpose of delivering Innovation That Matters, By and For People Who Matter, to make the world a safer, more secure place for all. For more information, visit the [ARES](#) product page or contact Mercury at (866) 627-6951 or info@mrcy.com.

Mercury Systems – Innovation That Matters®

Mercury Systems is a leading technology company serving the aerospace and defense industry, positioned at the intersection of high-tech and defense. Headquartered in Andover, Mass., the Company delivers solutions that power a broad range of aerospace and defense programs, optimized for mission success in some of the most challenging and demanding environments. The Company envisions, creates and delivers innovative technology solutions purpose-built to meet customers' most-pressing high-tech needs, including those specific to the defense community. 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 2021 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, 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 industrial security and cyber-security 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 3, 2020. 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.

CONTACT

Robert McGrail, Director of Corporate Communications

Mercury Systems' New Radar Environment Simulator



Mercury's new Advanced Radar Environment Simulator simplifies system testing and minimizes costs.

Mercury Systems Inc.

+1 (978) 967-1366 | robert.mcgrail@mercy.com

Mercury Systems and Innovation That Matters are registered trademarks of Mercury Systems, Inc. Other product and company names mentioned may be trademarks and/or registered trademarks of their respective holders.

A photo accompanying this announcement is available at <https://www.globenewswire.com/NewsRoom/AttachmentNg/32448c0a-4aa2-4311-bcfc-19cfa4d74da6>