



## Microwave Converters Use Novel Agile Technology to Dynamically Respond to Emerging Electronic Threats

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### Innovative solution maximizes electronic warfare system agility by reducing upgrade costs and enabling mission-to-mission optimization

ANDOVER, Mass., Sept. 05, 2019 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ: MRCY, [www.mrcy.com](http://www.mrcy.com)) today announced the SpectrumSeries™ RFT-3200 downconverter and matching RFT-4200 upconverter, the industry's first broadband frequency conversion products to allow the user to dynamically change the intermediate frequency (IF) on-the-fly. Designed to enable agile electronic warfare (EW) and electronic intelligence (ELINT) systems, these high-performance frequency converters offer customers the ability to dynamically respond to emerging electronic threats while also reducing upgrade costs through improved interoperability.

"Today's announcement reinforces Mercury's industry leadership in developing configurable microwave technology capable of intercepting a greater variety of electronic signals of interest," said Neal Austin, Vice President and General Manager of Mercury's Embedded Sensor Processing group. "Deploying EW and ELINT systems with our novel architecture will enable the warfighter to perform real-time system optimization, improving their ability to detect, analyze and mitigate threats while also providing more information to key decision makers on the battlefield."

Unlike existing frequency converters, Mercury's customizable converters allow the user to optimize the IF settings for the specific digitizer and mission needs, maximizing storage capacity and sensitivity. For example, for narrow signals of interest the user can reduce the IF bandwidth to minimize the noise and improve the sensitivity, enabling the detection of low-amplitude signals that otherwise might be missed. The higher bandwidth settings are ideal for both efficiently scanning the electromagnetic spectrum for threats as well as processing wideband signals. This bandwidth optimization allows a single microwave converter to perform the same functions as multiple conventional frequency converters, thereby reducing system cost and size. Additionally, by adjusting the IF bandwidth, the converter can be easily paired with other digitizers, reducing total system cost by allowing the same converter to be used through multiple system upgrade cycles.

In addition to a tunable IF, these converters feature RF performance up to 40GHz, excellent phase noise characteristics and phase coherent configurations. A modular design approach enables rapid customization to satisfy specific program needs as well as delivery in multiple form factors including 19-inch rackmount, ruggedized half ATR chassis and benchtop. Additionally, the converters support a complete SCPI-based command set accessible over Ethernet or serial ports.

Mercury is now accepting orders for delivery in the first quarter of calendar year 2020. For application assistance, additional information or purchase inquiries, please visit <http://www.mrcy.com/agile-IF> or contact Mercury at (866) 627-6951.

### Mercury Systems – Innovation That Matters®

Mercury Systems is a leading commercial provider of secure sensor and safety-critical 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 and to fiscal 2020 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 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 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 June 30, 2019. 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, Inc.  
+1 978-967-1366 / [rmcgrail@mrcy.com](mailto:rmcgrail@mrcy.com)

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