



## Mercury Systems Introduces SpectrumSeries Microwave Synthesizer with Industry-Leading Phase Noise Performance

June 4, 2019

**Optimized for wideband electronic warfare and electronic intelligence applications demanding best-in-class spectral purity in order to detect, analyze and mitigate new threats**

ANDOVER, Mass., June 04, 2019 (GLOBE NEWSWIRE) -- Mercury Systems, Inc. (NASDAQ: MRCY, [www.mrcy.com](http://www.mrcy.com)) today announced the SpectrumSeries™ DS-3000 synthesizer, the Company's latest high-performance, direct digital synthesis (DDS)-based synthesizer. Designed to support customers' advanced frequency conversion technology requirements and operate in the harshest environments, the DS-3000 synthesizer offers industry-leading phase noise of -121 dBc/Hz at 10 GHz with 10 kHz offset, and frequency coverage up to 20 GHz with 1 Hz resolution.



Mercury's DS-3000 Synthesizer is optimized for wideband electronic warfare and electronic intelligence applications demanding best-in-class spectral purity in order to detect, analyze and mitigate new threats.

"Today's announcement reinforces Mercury's ongoing commitment to commercializing innovative RF solutions that provide the US warfighter and our allies the technical edge they need to meet their mission requirements," said Neal Austin, Vice President and General Manager of Mercury's Embedded Sensor Processing group. "In an environment of rapidly emerging electronic threats, customers can count on our industry-leading synthesizer technology to provide the expanded performance and reliability needed by modern EW and ELINT systems so they can monitor wide bands of the electromagnetic spectrum in order to detect, analyze, and mitigate new threats."

Ultra-low phase noise synthesizers are critical to electronic warfare (EW) and electronic intelligence (ELINT) systems that monitor large radio frequency (RF) bandwidths through either a channelized architecture or wide instantaneous bandwidth (IBW). Mercury's DS-3000 synthesizer increases the operational range and performance of a customer's EW or ELINT system by employing both low phase noise and high frequency stability to maximize a receiver's sensitivity. By exceeding the phase noise and frequency stability performance of other frequency generation products, Mercury's innovative SpectrumSeries synthesizers provide next-generation EW systems with increased operational range, keeping the warfighter farther from the threat.

To support operation in harsh environments, Mercury's synthesizer technology offers high performance over a wide temperature range of -30°C to +70°C, while minimizing the harmful effects of microphonics. Additionally, the ability to control the hardware through either a PC-based graphical user interface (GUI) or an SPI-bus makes these products well-suited for both benchtop operation and integration into ruggedized EW systems. To maximize system flexibility, the DS-3000 is available in a standard temperature-compensated crystal oscillator (TCXO)-based architecture as well as an ultra-low phase noise, oven-controlled crystal oscillator (OCXO)-based architecture. For laboratory applications, this technology is also available as the SIG-20 benchtop signal generator.

Mercury is now accepting orders for delivery in the fourth quarter of calendar year 2019. For application assistance, additional information or purchase inquiries, please visit [www.mrcy.com/synthesizers](http://www.mrcy.com/synthesizers) 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 2019 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, 2018. 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 <https://www.globenewswire.com/NewsRoom/AttachmentNg/9c61ca45-9e4d-4d40-8db6-77c1905c93cc>



Source: Mercury Systems Inc