



EMCORE Awarded a Contract to Design and Deliver Custom, High-Performance Navigation Grade Inertial Measurement Units

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ALHAMBRA, Calif., Oct. 02, 2018 (GLOBE NEWSWIRE) -- EMCORE Corporation (NASDAQ: EMKR), a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's high-speed communication network infrastructures and leading-edge defense systems, announced today that it has been awarded a contract by a large U.S. Department of Defense (DOD) contractor to design and deliver several navigation grade Inertial Measurement Units (IMU) for incorporation into custom Inertial Navigation Systems (INS) early next year. These units will be used for system qualification and are expected to be a precursor to production orders following later in 2019.

This navigation grade IMU will be based on technology developed for the EMCORE-Orion™ series of Fiber Optic Gyro (FOG)-based Micro Inertial Navigation Systems (MINAV). It will be designed to deliver the highest level of performance in EMCORE's navigation systems product line with bias drift over temperature as low as 0.006 degrees per hour for the FOGs, and 35 micro-g over temperature for the accelerometers. The unit achieves this navigation grade performance in a package less than 75 cubic inches, which is an industry first for this class of IMU.

The EMCORE-Orion™ MINAV is a three-axis design utilizing the Company's proprietary, next-generation solid-state optical transceiver with advanced integrated optics, combined with all new Field Programmable Gate Array (FPGA) electronics to deliver standalone aircraft grade navigator performance at 1/3 the size of legacy or competing systems. The very low Size, Weight and Power (SWaP) of EMCORE-Orion™ series makes it an ideal inertial navigation system for Unmanned Aerial Vehicles (UAVs), Unmanned Underwater Vehicles (UUVs), Unmanned Ground Vehicles (UGVs), manned aircraft, rotorcraft and dismounted soldier applications.

"We are pleased and honored to be selected for this program to develop a navigation grade IMU for the next-generation of navigation systems," said David Faulkner, EMCORE's Vice President and General Manager of Aerospace & Defense. "The R&D investment EMCORE has made in the development of our innovative EMCORE-Orion series results in significantly reduced size, weight and power, which was integral to being selected for this program," added Mr. Faulkner.

About EMCORE

EMCORE Corporation is a leading provider of advanced *Mixed-Signal Optics* products that provide the foundation for today's high-speed communication network infrastructures and leading-edge defense systems. Our optical chips, components, subsystems and systems enable broadband and wireless providers to continually enhance their network capacity, speed and coverage to advance the free flow of information that empowers the lives of millions of people daily. The *Mixed-Signal Optics* technology at the heart of our broadband transmission products is shared with our fiber optic gyros and military communications links to provide the aerospace and defense markets state-of-the-art systems that keep us safe in an increasingly unpredictable world. EMCORE's performance-leading optical components and systems serve a broad array of applications including cable television, fiber-to-the-premise networks, telecommunications, data centers, wireless infrastructure, satellite RF fiber links, navigation systems and military communications. EMCORE has fully vertically-integrated manufacturing capability through its world-class Indium Phosphide (InP) wafer fabrication facility at our headquarters in Alhambra, California, and is ISO 9001 certified in Alhambra and at our facility in Beijing, China. For further information about EMCORE, please visit <http://www.emcore.com>.

Forward-looking statements:

The information provided herein may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include statements regarding EMCORE's plans, strategies, business prospects, growth opportunities, changes and trends in our business and expansion into new markets. These forward-looking statements are based on management's current expectations, estimates, forecasts and projections about EMCORE and are subject to risks and uncertainties that could cause actual results and events to differ materially from those stated in the forward-looking statements, including without limitation, the following: (a) the rapidly evolving markets for EMCORE's products and uncertainty regarding the development of these markets; (b) EMCORE's historical dependence on sales to a limited number of customers and fluctuations in the mix of products and customers in any period; (c) delays and other difficulties in commercializing new products; (d) the failure of new products: (i) to perform as expected without material defects, (ii) to be manufactured at acceptable volumes, yields, and cost, (iii) to be qualified and accepted by our customers, and (iv) to successfully compete with products offered by our competitors; (e) uncertainties concerning the availability and cost of commodity materials and specialized product components that we do not make internally; (f) actions by competitors; and (g) other risks and uncertainties discussed under Item 1A - Risk Factors in our Annual Report on Form 10-K for the fiscal year ended September 30, 2017, as updated by our subsequent periodic reports. Forward-looking statements contained in this press release are made only as of the date hereof, and EMCORE undertakes no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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