



KVH Offers TACNAV 3D with Photonic Integrated Chip Technology

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KVH's widely fielded tactical navigation system now upgraded with its patented PIC technology

MIDDLETOWN, R.I., March 11, 2021 (GLOBE NEWSWIRE) -- KVH Industries, Inc., (Nasdaq: KVHI), announced today that the TACNAV 3D tactical navigation system is now available with the P-1775 inertial measurement unit (IMU) featuring KVH's new photonic integrated chip (PIC) technology. KVH has been developing and testing the PIC technology for more than three years and is continuing to roll the technology into existing product lines.

"We are pleased to incorporate our newest technology into the TACNAV 3D," says Dan Conway, executive vice president of KVH's inertial navigation group. "We are committed to ensuring that this battle-proven system provides the precise navigation that is vital to mission success and addresses the military demand for assured positioning, navigation, and timing (A-PNT) solutions."

KVH's PIC technology features an integrated planar optical chip that replaces individual fiber optic components to simplify production while maintaining or improving accuracy and performance. KVH's IMUs with PIC technology are designed to deliver improved bias stability and 20 times higher accuracy than less expensive MEMS inertial measurement units. They also use modular designs for ease of integration and outstanding repeatability unit-to-unit.

The fiber optic gyro (FOG)-based TACNAV 3D tactical navigation system provides an A-PNT solution with an embedded GNSS and optional chip-scale atomic clock (CSAC). TACNAV 3D's modular tactical design enables it to function as a standalone inertial navigation solution and as the core of an A-PNT-capable multi-functional battlefield management system.

KVH's TACNAV solutions deliver critical, reliable performance in demanding environments for vehicles ranging from battle tanks and M-ATVs, to armored vehicles, reconnaissance, and combat support vehicles.

TACNAV systems are currently in use by the U.S. Army and Marine Corps, as well as many allied customers including Australia, Botswana, Brazil, Canada, Egypt, France, Germany, Great Britain, Italy, Malaysia, New Zealand, Poland, Romania, Saudi Arabia, Singapore, South Korea, Spain, Sweden, Switzerland, Taiwan, and Turkey.

Note to Editors: For more information about TACNAV solutions, please visit kvh.com/tacnav. High-resolution images of KVH products are available at the KVH Press Room Image Library, kvh.com/Press-Room/Image-Library.

About KVH Industries, Inc.

KVH Industries, Inc., is a global leader in mobile connectivity and inertial navigation systems, with innovative technology designed to enable a mobile world. A market leader in maritime VSAT, KVH designs, manufactures, and provides connectivity and content services globally. KVH is also a premier manufacturer of high-performance sensors and integrated inertial systems for defense and commercial applications. Founded in 1982, the company is based in Middletown, RI, with research, development, and manufacturing operations in Middletown, RI, and Tinley Park, IL, and more than a dozen offices around the globe.

This press release contains forward-looking statements that involve risks and uncertainties. For example, forward-looking statements include statements regarding the performance, functionality, characteristics, quality and manufacturing costs of KVH products and technology, our product development goals, inertial navigation product performance (including accuracy and reliability), market trends, and competitive positioning. The actual results could differ materially from the statements made in this press release. Factors that might cause these differences include, but are not limited to: unanticipated changes or disruptions in our markets; increased competition; technological breakthroughs by competitors; changes in customer priorities or preferences; the potential that competitors will design around or invalidate our intellectual property rights; unanticipated obstacles in our PIC-based product development, cost engineering and manufacturing efforts; significant competition from companies with greater resources; lack of reliable vendors; other developments affecting the buying patterns of end-users of inertial products; the uncertain impact of changes in trade policy; export restrictions, delays in procuring export licenses, and other international risks. These and other factors are discussed in more detail in KVH's Form 10-K filed with the SEC on March 3, 2021. Copies are available through its Investor Relations department and website, <http://investors.kvh.com>. KVH does not assume any obligation to update its forward-looking statements to reflect new information and developments.

KVH Industries, Inc., has used, registered, or applied to register its trademarks in the U.S.A. and other countries around the world, including but not limited to the following marks: KVH and TACNAV. All other trademarks are the property of their respective companies.

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