



KVH Introduces P-series IMUs with PIC Technology and New Accelerometers

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The new inertial measurement units (IMUs) feature increased performance designed to meet the needs of autonomous tech applications

MIDDLETOWN, R.I., April 27, 2021 (GLOBE NEWSWIRE) -- KVH Industries, Inc., (Nasdaq: KVHI), announced today that it has introduced the P-1750 IMU and the P-1725 IMU to complement the previously released P-1775 IMU and create a full line of IMUs that feature high-performance accelerometers and KVH's patented photonic integrated chip (PIC) technology. The KVH P-series IMUs are offered in the same proven, compact IMU housing design, and now offer more dynamic and accurate sensor performance delivering improved navigation capability and more environmental robustness in vibration and shock capability for more challenging applications.

"We are pleased to continue integrating our groundbreaking PIC technology into our inertial navigation products for use in the large and growing autonomous market," says Martin Kits van Heyningen, KVH's chief executive officer. "KVH has been active in autonomous technology developments for more than 15 years going back to the 2005 DARPA Grand Challenge for self-driving vehicles up to the autonomous shuttles and trucks currently being tested on the road with our inertial products. Our PIC technology is the latest example of our innovation."

KVH's PIC technology features an integrated planar optical chip that replaces individual fiber optic components to simplify production and increase reliability. The accelerometers used in the P-series IMUs offer greater sensitivity and accuracy in their dynamic ranges. This means KVH P-series IMUs are designed to deliver an order of magnitude better drift (bias instability) and noise (velocity random walk) performance than prior products and offer more than 10 times higher accuracy than less expensive MEMS inertial measurement units. KVH P-series IMUs feature easy integration with flexible power and communications interfaces, outstanding repeatability unit-to-unit, and increased product life as a result of the PIC technology.

KVH P-series IMUs are designed for the most challenging applications on land, sea, and air, including autonomous trucks and people movers, drones, AUVs, ROVs, and platform stabilization. The industries that leverage these applications include transportation, military, agriculture, construction, and mining.

With the expanded line of P-series IMUs, KVH provides multiple options for autonomous engineers who are seeking improved performance and a choice of low-noise, high-performance accelerometers at a more favorable price point than comparable offerings. The P-1775 IMU is KVH's premier IMU in terms of accuracy and is offered with 10g or 30g accelerometers to meet autonomous platform specifications. The P-1750 IMU is a versatile high-performance IMU featuring a choice of 10g or 30g accelerometers for autonomous and manned platforms. The P-1725 IMU is a compact, commercial IMU featuring PIC technology and 10g accelerometers for outstanding performance and serves as an affordable alternative to lower performing MEMS products.

KVH is a leading innovator for assured navigation and autonomous accuracy using high-performance sensors and integrated inertial systems. KVH's widely fielded TACNAV[®] tactical navigation systems are currently in use by the U.S. Army and Marine Corps as well as many allied militaries around the world. KVH's fiber optic gyros (FOGs) and FOG-based IMUs are in use today in a wide variety of applications ranging from optical, antenna, and sensor stabilization systems to mobile mapping solutions and autonomous platforms and cars.

Note to Editors: For more information about KVH's P-series IMUs, please visit kvh.com/IMU. 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; interruptions in supply of key components; 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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