



New TG-6000 Inertial Measurement Unit Opens New Market Opportunities for KVH

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Tactical-grade IMU Uses KVH Fiber Optic Gyros to Offer High-performance Motion Sensing for Guided Munitions and Navigation

MIDDLETOWN, R.I., Oct 6, 2003 (BUSINESS WIRE) -- Today at the Association of the U.S. Army (AUSA) Conference, KVH Industries (Nasdaq: KVHI) introduced its new TG-6000 Inertial Measurement Unit (IMU), paving the way for the company to pursue a wider array of opportunities throughout the military and commercial marketplaces. The TG-6000 employs a three-axis configuration of KVH Digital Signal Processing (DSP) FOGs integrated with three accelerometers. This configuration provides outstanding performance, higher reliability, lower maintenance, and easier system integration than competing systems. Measuring motion and acceleration precisely in three dimensions, the TG-6000 is ideal for applications that involve flight control, orientation, instrumentation, or navigation, such as torpedoes, smart munitions, and unmanned aerial vehicles.

"The introduction of the TG-6000 marks a milestone for KVH as we apply our patented fiber optic technology for use in high-performance integrated systems aboard smart munitions and other applications," said Martin Kits van Heyningen, KVH president and chief executive officer. "Our new TG-6000 IMU goes beyond simply packaging three DSP gyros for use in a larger system. We have developed a fully integrated, low cost, precision measurement unit that offers outstanding performance, higher reliability, and lower maintenance than the systems we have the opportunity to replace."

The TG-6000 IMU is a high-performance, 6 degree-of-freedom, FOG-based motion sensing package ideally suited for motion control and GPS-integrated navigation applications. This highly reliable, strap-down inertial subsystem provides accurate measurement of angular rate and linear acceleration and achieves its excellent performance by employing proprietary algorithms to characterize and correct for the effects of temperature, linearity, and misalignment. Output data is provided in digital formats for easy integration with a variety of sensors and systems.

The TG-6000 represents KVH's first true tactical-grade integrated navigation system and joins KVH's extensive fiber optic gyro product line. KVH FOGs are used in diverse applications including IMUs for torpedos, precision tactical navigation systems for military vehicles, and image stabilization and synchronization for shoulder- or tripod-mounted weapon simulators. Platforms that depend on KVH FOGs include the U.S. Army Ground Prophet next-generation signal intelligence vehicle, the Javelin, Stinger, and ITAS missile weapons simulators, stabilization systems for naval radar and missile defense systems, and KVH's new TracVision G8 marine satellite TV system, among others.

KVH Industries, Inc., designs and manufactures products that enable mobile communication, navigation, and precision pointing through the use of its proprietary mobile satellite antenna and fiber optic technologies. The company is developing next-generation systems with greater precision, durability, and versatility for communications, navigation, and industrial applications. An ISO 9001-registered company, KVH has headquarters in Middletown, Rhode Island, with a fiber optic manufacturing facility in Tinley Park, Illinois, and a European sales, marketing, and support office in Hoersholm, Denmark.

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