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HONEYWELL, CIVITANAVI SYSTEMS LAUNCH NEW INERTIAL MEASUREMENT UNITS

New HG2800 improves pointing, stabilization and short-duration navigation on a variety of aircraft, among other applications

PHOENIX, Sept. 14, 2023 – Honeywell (**NASDAQ: HON**) and Civitanavi Systems (**EURONEXT MILAN: CNS**) have launched a new inertial measurement unit for commercial and defense customers worldwide. The HG2800 family consists of low-noise, high-bandwidth, high-performance, tactical-grade inertial measurement units designed for pointing, stabilization and short-duration navigation on commercial and military aircraft, among other applications.

The inertial measurement units (IMUs) have been developed to meet the needs of a broad range of guidance and control applications. The new IMUs help customers looking for high bandwidth, low data latency and low noise. They also help with silent operation for acoustic-sensitive systems. The technology addresses the needs typically associated with surveillance, targeting and imaging. Applications include, but are not limited to, unmanned aerial vehicle surveys, radar antenna stabilization, underwater autonomous vessels, and sensitive camera systems that require both visible and infrared sensors.

“The HG2800 IMUs provide an advanced solution available today for a wide range of applications around the globe,” said Matthew Picchetti, vice president and general manager, Navigation & Sensors, Honeywell Aerospace. “The HG2801 originates entirely within the EU, while the HG2802 is a non-ITAR classified IMU. Both provide higher accelerometer performance and capabilities for industrial, commercial and military customers.”

“One year after its announcement, this collaboration has brought to market the new HG2800 inertial navigation systems, low-cost, low-power solutions for precision pointing and stabilizing devices, confirming our exceptional agility and leading high-performance FOG technology with Honeywell’s market leadership,” said Andrea Pizzarulli, chief executive officer, Civitanavi Systems.

At just 32 cubic inches, the new HG2800 can sense linear acceleration and angular rates to stabilize camera images, reduce blurriness and enhance resolution, providing customers with enhanced visibility and accuracy. The inertial measurement units utilize Honeywell and Civitanavi Systems’ technologies to help enhance point-targeting capabilities and stabilization accuracy, and to improve measurement precision and dependable operation when GPS is unavailable. The HG2800 also has a flexible power supply to simplify system integration, while consuming less power than previous offerings.

The HG2800 is also integral in Honeywell’s Celestial Aided Alternative Navigation product, which tracks stars and resident space objects to provide a passive unjammable solution with GPS-like accuracy in GPS-denied or -spoofed conditions.

“Our celestial navigation system relies on highly accurate pointing, which is enabled by the HG2800’s low noise,” said Ben Mohr, offering director, Alternative Navigation Products, Honeywell Aerospace. “The HG2800 IMUs provide the higher performance capabilities we need in a smaller package, allowing us to achieve better than 25-meter accuracy in our celestial navigation system.”

The HG2800 IMUs include Honeywell’s [MV60 next-generation micro-electromechanical systems](#) (MEMS) accelerometers and Civitanavi Systems’ closed-loop fiber-optic gyro sensors (FOGs) and are available worldwide. For more information visit [aerospace.honeywell.com](#).

About Honeywell

Honeywell Aerospace products and services are found on virtually every commercial, defense and space aircraft. The Aerospace business unit builds aircraft engines, cockpit and cabin electronics, wireless connectivity systems, mechanical components and more. Its hardware and software solutions create more fuel-efficient aircraft, more direct and on-time flights, and safer skies and airports. For more information, visit [www.honeywell.com](#) or follow us at [@Honeywell_Aero](#).

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About Civitanavi Systems S.p.A.

Civitanavi Systems, born as a start-up in 2012, is one of the main players in the design, development and production of inertial navigation and stabilization systems used in the aerospace and defense sectors in space, terrestrial, aeronautical, naval and industrial, mining and oil & gas. The Company vertically provides high accuracy systems, designed and manufactured with methods, techniques and algorithms based on FOG (Fiber Optic Gyroscope) and MEMS (Micro Electro Mechanical Systems) technology, also integrated with devices for satellite navigation. Today it carries out its activities in Pedaso (FM), in Ardea (RM), in Casoria (NA) in Turin (TO) and in Filton, Bristol, counting on a staff of around 170 employees in Italy and UK.

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