

For Immediate Release

Hemisphere GNSS Announces Next-Generation S621 GNSS Survey Smart Antenna

The first GNSS survey smart antenna using next-generation ASIC technology to deliver best-in-class, industry-leading performance and precision

Stuttgart, Germany – September 18th, 2019 – Today, at the INTERGEO expo and conference in Stuttgart, Germany and the ION GNSS+ conference in Miami, FL, USA, Hemisphere GNSS announces its next-generation multi-frequency, multi-GNSS S621 GNSS survey smart antenna. The all-new S621 is a complete redesign of the previous generation version (S321+) and offers added benefits and value to an already impressive range of features and functionality.

Powered by the all-new [Phantom™ 40 GNSS OEM board](#), the S621 survey smart antenna processes and supports over 800 channels with flexible and scalable simultaneous tracking of every modern and planned GNSS constellation and signal including GPS, GLONASS, BeiDou (including Phase 3), Galileo, QZSS, IRNSS, SBAS, and Atlas® L-band. The Phantom 40 GNSS OEM board is powered by Hemisphere's recently announced next-generation Lyra™ II digital ASIC, Aquila™ wideband RF ASIC, and Cygnus™ interference mitigation technology.

The S621 comes standard with two long-life lithium batteries supplying more than 12 hours of operation. The batteries are hot-swappable so you can change them without stopping work, maximizing your efficiency and ROI.

The S621 combines Hemisphere's Athena™ GNSS engine and Atlas L-band correction technologies with a new WebUI, offering an unparalleled level of customer-friendly performance. UHF (400 MHz and 900 MHz) radio, cellular, Bluetooth, and Wi-Fi make wireless communications and connectivity easy to use. The compact and ruggedized antenna is designed for the most challenging environments and meets IP67 requirements. The S621 also introduces an all-new IMU-based sensor fusion platform to support enhanced tilted pole measurements for land survey applications. This new design is immune to magnetic interference and is extremely reliable in virtually any environment.

"The S621 represents the advanced technology, durability, and ease-of-use that our customers have come to expect," said Miles Ware, director of marketing at Hemisphere. "By redesigning this system from the ground up with increased functionality and management capabilities, we are offering unbeatable value."

The S621 is the ideal positioning system for use in applications such as land or marine survey, GIS, mapping, construction, or any application that requires high-performance precision and positioning. With multiple operating modes, the S621 can be used as a precise base station sending RTK corrections to your rover network or turned into a lightweight, compact, and easy-to-use rover by connecting it to your base via UHF radio or to a cellular network. When used in base station mode, the S621 offers unprecedented access to additional BeiDou phase 3 satellites within your rover RTK solution.

The S621 GNSS survey smart antenna is featured by Hemisphere at INTERGEO in Stuttgart, Germany from September 17 through 19, 2019 (hall 3, booth C3.030) and at ION GNSS+ in Miami, FL, USA from September 18 through 19, 2019 (booth 411).

About Hemisphere GNSS

Hemisphere GNSS, Inc. is an innovative high-tech company that designs and manufactures positioning and heading products, services, and technology for use in agriculture, construction & mining, marine, OEM, L-band correction service markets, and any application that requires high-precision positioning and heading. Hemisphere holds numerous patents and other intellectual property and sells globally with several leading products, service, and technology brands including [Athena™](#), [Atlas®](#), [Crescent®](#), [Eclipse™](#), [Outback Guidance®](#), and [Vector™](#) for high-precision applications. Hemisphere is headquartered in Scottsdale, AZ, USA, with offices located around the globe and is part of Beijing

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