

For Immediate Release

Hemisphere GNSS Announces New Atlas®-Capable, Multi-GNSS Vector™ V123 & V133 Smart Antennas

LONDON, UK – March 14, 2018 – Today from the [Oceanology International exhibition and conference](#) in London, UK, Hemisphere GNSS announces the new single-frequency, multi-GNSS [Vector V123 and V133 all-in-one smart antennas](#) with integrated [Atlas L-band](#) designed for professional and commercial marine applications.

Powered by Hemisphere's Crescent® Vector technology, the new V123 and V133 are multi-GNSS compass systems using GPS, GLONASS, BeiDou, Galileo, and QZSS for simultaneous satellite tracking to offer heading, position, heave, pitch, and roll. With support for NMEA 0183 and NMEA 2000, and continuing to offer ease of installation, these Vector models continue to offer the exceptional value and performance Hemisphere is known for. The V123 and V133 thrive in Radar/ARPA, AIS, ECDIS, side-scan survey, multi- and single-beam surveys, dredging, and general navigation applications.

The V123 and V133 rugged smart antennas combine Hemisphere's recently announced [Crescent Vector H220 OEM board](#) and two superior multipath- and noise-rejecting antennas (spaced 50 cm apart) in a single enclosure. The smart antennas require only a single power/data cable connection for fast and reliable installations, even in the presence of strong radio transmissions. These Vector models deliver class-leading 0.3 degree heading accuracy and sub-meter DGPS accuracy as well as optional 0.5 m Atlas L-band accuracy.

"The Vector V123 and V133 GNSS compasses represent significant enhancements to our industry leading models they replace, providing even greater performance, improved robustness, and excellent value," says Miles Ware, Director of Marketing at Hemisphere GNSS. "Users now have an even higher performing all-in-one Vector for their commercial and professional needs with the addition of BeiDou, Galileo, and QZSS as well as Atlas L-band corrections."

The V133 includes all the features of the V123 and adds the capability of receiving differentially corrected data from land-based beacon stations. Ease of installation and no maintenance or servicing enhances the simplicity of these new Vector models.

Atlas GNSS Global Correction Service

[Atlas](#) is a flexible, scalable, and industry-leading GNSS-based global L-band correction service providing robust performance and correction data for GPS, GLONASS, and BeiDou, at market-leading prices. Atlas delivers correction signals via L-band satellites to provide accuracies ranging from sub-meter to sub-decimeter levels, and leverages approximately 200 reference stations worldwide, providing coverage to virtually the entire globe.

Atlas is available on all Hemisphere Atlas-capable single- and multi-frequency, multi-GNSS hardware and complements third-party GNSS receivers by using Atlas corrections with Hemisphere's innovative SmartLink™ and BaseLink™ capabilities. Atlas Basic provides users of single-frequency Atlas-capable hardware the ability to achieve better than SBAS performance anywhere in the world where the Atlas correction service is available. Atlas Basic is a groundbreaking new feature that offers a proven accuracy of 30 cm (pass-to-pass 95%)* to 50 cm (absolute 95%)* and offers instantaneous sub-meter accuracy and DGPS-level accuracy.

** Based on 15-minutes convergence time. Also depends on multipath environment, number of satellites in view, satellite geometry, and ionospheric activity.*

The Vector V123 and V133 are featured in the Hemisphere GNSS booth (G500) at the Oceanology International exhibition and conference in London, UK from March 13 – 15, 2018. These new models will be available soon through Hemisphere's global dealer network. For more information about Hemisphere's Vector line or other Marine products, solutions, and technologies, please visit www.HGNSS.com.

About Hemisphere GNSS

Hemisphere GNSS is an innovative technology company that designs and manufactures high-precision positioning products and services for use in OEM/ODM, marine, machine control & guidance, agriculture, and L-band correction service markets. Hemisphere holds numerous patents and other intellectual property and sells globally with several leading product and technology brands including Athena™, Atlas®, Crescent®, Eclipse™, and Vector™ for high-precision applications. Hemisphere is based in Scottsdale, AZ, USA, with offices located around the globe, and is part of Beijing UniStrong Science & Technology Co., Ltd.

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