

For Immediate Release

Hemisphere GNSS Introduces New Atlas®-Capable Vector™ V1000 GNSS Receiver for Precise Marine Applications

LONDON, UK – March 13, 2018 – Today, Hemisphere GNSS introduces the all-new Vector V1000 GNSS receiver, which provides high-accuracy heading, position, pitch, roll, and heave data. The V1000 supports multi-frequency GPS, GLONASS, BeiDou, Galileo, QZSS, and IRNSS (with future firmware upgrade and activation) for simultaneous satellite tracking. The V1000 is powered by Hemisphere's innovative and industry-leading Athena™ RTK engine and is Atlas L-band capable.

The new V1000 is designed for professional marine applications, such as hydrographic and bathymetric surveys, dredging, oil platform positioning, buoys, and other applications that demand the highest-level 3D positioning accuracies. Based on Hemisphere's Eclipse™ Vector technology, the V1000 uses the most accurate differential corrections including RTK and Atlas L-band (8 cm 95%)*.

The V1000 is Hemisphere's flagship receiver, with an integrated display, that can be conveniently installed near the operator. The two antennas can be installed at user-specified separation, providing valuable flexibility in terms of install locations and desired heading accuracy. The V1000 boasts heading accuracy of better than 0.01 degree when using a 10 m antenna separation. With CAN, Serial, Bluetooth, Wi-Fi, and Ethernet support and flexible installation, the all-new rugged enclosure gives the V1000 the advantage of working reliably in harsh environments.

"The Vector V1000 is a premium addition to Hemisphere's Vector series product line," said Miles Ware, Director of Marketing at Hemisphere GNSS. "As the demand for more rugged and precise GNSS equipment increases, we are meeting this demand by exceeding the accuracy of competitors' products while continuing to offer incredible value."

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. When using multi-frequency hardware, Atlas corrects more satellites than ever before, to create faster convergence times, and is robust and reliable near wharfs, piers, offshore rigs, cranes, and other overhead obstructions. Atlas Basic provides users of both single- and multi-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.

Atlas Service Levels:

Service Level	Position Accuracy
Atlas Basic	50 cm 95% (30 cm ^{RMS})*
H30	30 cm 95% (15 cm ^{RMS})*
H10	8 cm 95% (4 cm ^{RMS})*

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

The [Vector V1000](#) is featured in the [Hemisphere GNSS booth \(G500\)](#) at the [Oceanology International exhibition and conference](#) in London, UK from March 13 – 15, 2018. The V1000 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.

For more information, please contact:

Gabriel Grenier-Baird
Hemisphere GNSS
Phone: +1 (480) 348-6380
Email: Press@HGNSS.com
www.HGNSS.com



Hemisphera

PR
CAM
Ethernet
Cu
Sec
BT