

# GLONASS Functionality for Hemisphere GNSS Vector Products



Hemisphere GNSS has announced that all professional-level Vector products, including the V103, V113, VS131 and VS330, now include the ability to utilise the GLONASS satellite system, along with the GPS satellite system in the navigation solution. The tracking of the additional GLONASS signals provides a much more robust solution, especially in challenging environments.

Vector Technology uniquely processes L1 GPS and GLONASS signals to deliver precise heading, greater positioning reliability and improved performance in challenging environments. Hemisphere GNSS's patented Vector technology computes the heading and pitch or roll angle while stationary or in motion allowing for heading accuracy of up to 0.01 degrees depending upon the product selected. A variety of differential correction

methods also make it possible for Vector products to provide sub-metre to centimetre level RTK position accuracy.

Professional marine industry organisations can maximise performance by integrating Hemisphere GNSS Professional Vector technology into their systems for hydrographic and bathymetric surveys, auto-pilots, dredging and buoys. For land applications, Vector Technology is very suitable for the alignment of cameras, antennas and projectiles, and for machine-control applications in agriculture, construction and mining.

Professional marine operations have a lot to gain from Vector Technology's powerful combination of navigation and orientation capabilities, said Jan Bech, product marketing manager at Hemisphere GNSS. The user will appreciate the performance, value and versatility which Vector Technology offers.

In February 2013, Hemisphere GPS changed its name to Hemisphere GNSS after parting ways with its Agriculture unit. While the company owns both names, in order to reflect the company's support of all Global Navigation Satellite Systems (GNSS) and update the company's image, "Hemisphere" has been adopted as its brand name. The company has also adopted a new logo and has launched an updated [website](#).

Vector Professional Products will be featured by Hemisphere GNSS at the Oceanology International 2014 Conference in London, UK, from 11-13 March 2014 at stand I500 in the ExCeL centre. All products are available for shipping through Hemisphere GNSS's global dealer network. For more information about Hemisphere GNSS Vector Products, including the V103, V113, VS131 and VS330, see [here](#).