

# Septentrio Expands Product Portfolio for Marine Market



Septentrio, a leader in high-precision GNSS positioning solutions, has launched two new GNSS products for marine applications: AsteRx-U3 Marine and AsteRx-m3 Fg. Both products offer accurate positioning near and offshore via centimetre-level RTK or the built-in Fugro PPP sub-decimetre subscription service, delivered either over NTRIP internet or L-band satellite.

Corrections delivered over L-band allow dredging, bathymetry or marine construction projects in areas with no internet service. The AsteRx-U3 Marine receiver, enclosed in an IP68-rated housing, offers an advanced feature of a dedicated L-band demodulator with a separate L-band RF input, which allows for the use of dedicated antennas for excellent reception of L-band signals, even at high latitudes.

## GNSS Technology for Marine Construction and Dredging

“The new products are designed around our most powerful GNSS core, bringing the latest evolution in GNSS technology to the demanding marine construction and dredging markets. They build on the success of the field-proven AsteRx-U Marine Fg and AsteRx4-Fg, with more processing power to allow tracking of all visible satellite signals while enabling higher update rates,” said Silviu Taujan, product manager at Septentrio. “AsteRx-U3 Marine and AsteRx-m3 Fg are both feature-rich receivers, combining the best-in-class RTK base and rover functionality with an option of sub-decimetre PPP positioning,” he added.

## Marine Jamming and Spoofing

Septentrio GNSS technology is known for its resilience to RF interference, which on vessels can come from satellite uplinks such as Iridium modems or from other radio antennas. Marine [jamming and spoofing](#) are growing threats in certain areas of the world. Having robust GNSS technology means accurate and uninterrupted positioning on any vessel, even in challenging marine environments. Both AsteRx-U3 Marine and AsteRx-m3 Fg receivers offer accurate heading and pitch or heading and roll orientation information with the dual GNSS antenna configuration.



The housed AsteRx-U3 Marine and the OEM board AsteRx-m3 Fg are the two new GNSS receivers for dredging, marine construction and offshore applications.