

# UNAVCO Names Septentrio as Preferred Vendor for GNSS Reference Stations



UNAVCO, a non-profit university-governed consortium that facilitates geosciences research and education using geodesy, has announced the selection of Septentrio to be the preferred vendor of next-generation GNSS reference stations for the Geodesy Advancing Geosciences and EarthScope (GAGE) Facility. The preferred vendor status is valid through the duration of the GAGE Facility Cooperative Agreement with the National Science Foundation (NSF).

The selection of Septentrio was made following a rigorous competitive selection process. Under the agreement, Septentrio will supply GNSS reference stations to upgrade and expand the continuous GNSS reference station networks operated by UNAVCO.

UNAVCO's GAGE Facility includes more than 2,000 continuously operating GPS/GNSS reference stations around the world. UNAVCO-supported networks include EarthScope's Plate Boundary Observatory (PBO), the Continuously Operating Caribbean GPS Observational Network (COCONet), the Trans-Boundary Land and Atmosphere Long-Term Observational and Collaboration Network (TLALOCNet) and the Polar Earth Observational Network (POLENet).

## Scientific and academic community

This decision, following a competitive technical evaluation, is an important validation of Septentrio's family of high-performance GNSS receivers, said Neil Vancans, vice president, of Septentrio Americas. Septentrio is firmly established as the preferred choice of receivers within the scientific and academic community for ionospheric observations, timing and other demanding applications, due to their multipath mitigation, resistance to ionospheric disturbance and in-band jamming. Vancans stated he looks forward to working closely with UNAVCO to support its important mission of advancing geodetic science.

The critical technology in the new generation of reference station receivers is available in the Asterx 4 OEM boards, which also provide low and scalable power options. This technology is being extended across the full line of Septentrio products, Vancans added.

This preferred vendor relationship gives UNAVCO a unique opportunity to provide technical input during the ongoing development process of Septentrio's next-generation PolaRx-series GNSS receivers, said Dr Frederick