

Septentrio GNSS Receivers for Airborne Geophysical Surveys



Septentrio has announced that GeoDuster Technologies, a South Africa-based premium integrator of systems and software built to aid exploration success, has selected the TERRASTAR-D Precise Point Positioning (PPP) service and Septentrio GNSS receivers for use in airborne geophysical surveys for mining geology, exploration and environmental applications.

Terrascan Airborne, Germany, a customer of GeoDuster Technologies is using the TERRASTAR-D service with Septentrio AsteRx2eL GNSS receivers to georeference high-density magnetic gradient radiometric measurements onboard a modern light aircraft. Terrascan Airborne performs geophysical services in Africa, where they rely on the TERRASTAR-D service for precise positioning of geophysical data captured in remote

locations and in difficult-to-access environments.

In combination with Septentrio dual-frequency GNSS receivers, TERRASTAR-D provides a global, seamless, high-accuracy position at a high update rate that does not require local base stations, radios or cell coverage. TERRASTAR-D uses both GPS and GLONASS satellites to allow a reliable positioning around the world and a faster convergence even in the most demanding user environments.

The positioning service capabilities are very well integrated with Septentrio hardware and deliver excellent performance in a lightweight package at reasonable pricing, said Jon Holst, owner of GeoDuster Technologies. The combination that provides complete coverage for accurate land positioning with no ground infrastructure is an ideal solution for surveying in this part of the world, he added.

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