

Improved Accuracy in L1 Post-processing for Zeno GNSS/GIS handhelds



An improved L1 post-processing kernel developed by Leica Geosystems built on the latest GNSS technology is one of the main improvements to the Leica Zeno GIS. Leica Zeno GIS users can expect a better and more reliable L1 GNSS performance without the need to upgrade their existing hardware.

The improved L1 post-processing kernel provides considerable improvement in code post-processing accuracy in all environments. With the EasyIn process the simplest dataflow between field and office is supported.

Zeno Office simultaneously checks in features and GNSS raw data, automatically post-processes GNSS observations and updates feature vertices to the most accurate location in one easy, automated step that saves a lot of time while delivering reliable and better results. Tests have shown that the position accuracy has been improved in and up to the decimetre range.

The new kernel is capable of post-processing GPS raw data logged with a Leica Zeno 5 SirfStarIV GPS chipset, also enabling the entry-level Zeno 5 users to improve their positions with a post-processing workflow.

With the new cloud feature synchronisation between Zeno Field and Zeno Office via ArcGIS Online, users can now measure features in Zeno Field and transmit them to Zeno Office over the air via ArcGIS Online. This allows users to synchronise with others in real time.

Together with Zeno Office, users can manage feature quality over time and benefit from automated import and export functions to a wide range of different formats such as ArcGIS geodatabase, shapefile, dxf, dgn, and dwg. Zeno Office is also available as an extension to ArcGIS Desktop.

Beside the implementation of new functionality, this release also focused on quality improvements across the board: installation, application use, documentation, and firmware loading.