

Mobile Collection App Enables New Era for GIS Data Capture



Leica Geosystems, part of Hexagon, has announced that the Leica Zeno Mobile data collection app now integrates HxGN SmartNet's post-processing service and Esri's Geospatial Cloud. The new functionalities allow workforces with limited surveying knowledge to optimize data accuracy and precision in the field and office and enable a seamless data flow to Esri's GIS products.

Thanks to [HxGN SmartNet](#), Zeno delivers high-accuracy RTK positioning. In areas without an internet connection, Zeno Mobile's new automatic post-processing service means that users do not have to worry whether they have a mobile internet connection. In areas without an internet connection, Zeno Mobile records all the raw GNSS measurements.

When the internet connection is restored, raw data is processed in HxGN SmartNet's new

cloud service, which is now integrated in [Zeno Mobile](#). Measurements previously taken without RTK are improved to high accuracy, directly on the mobile device. Post-processing is simplified as additional software or specific knowledge is no longer needed.

"Capturing data has never been easier. With the latest version of Zeno Mobile, data is always accurate, no matter if there's an internet connection or not. Thanks to the new Esri connectivity, data collected in the field is now synchronized on the fly with our GIS database. By simplifying processes and automating tasks our workforce is able to spend more time on new projects and accelerate our business." said Matthias Beisswenger, project manager surveying at [GEO DATA GmbH](#).

Simplifying data flow processes

Zeno Mobile enriched its data flow capability and simplified the data exchange to Esri products. Through Esri's [Geospatial Cloud](#) integration, a seamless connection between Zeno Mobile and Esri's ecosystem allows users to benefit from a completely remote data flow from office to field and back.

Layers, data and roles can be defined directly in the browser through ArcGIS Online or in Esri's Desktop software. Once the data is shared through the cloud, the workforce can start data acquisition in Zeno Mobile and synchronize it back to the office instantly. The tight Esri integration enables data synchronization between Zeno Mobile and the database in the office and maximizes the overall performance.

"To respond to the daily problems in the field, innovative and simple solutions are needed to transform how the personnel can operate more efficiently," said Bernhard Richter, Geomatics Vice President at Leica Geosystems. "Zeno Mobile's latest innovations help everybody capturing accurate geospatial data quickly and effectively by fully automated processes in the background."

Zeno Mobile is available on Leica Geosystems new tablet Zeno Tab 2 and on most Android smartphones and tablets.