

What is SmartNet?

SmartNet is a subscription based service offering GNSS Network RTK corrections throughout North America. SmartNet provides high-precision, high-availability Network RTK corrections for any application, using any constellation, and is available to everyone.

Leica Geosystems directly operates, manages, and maintains all segments of the network, from the reference stations in the field to the server and IT infrastructure.

SmartNet is built on the powerful Leica Geosystems GNSS Spider software providing a variety of real-time data products to the end-user. It is open to all data formats, offering a GNSS RTK solution to anyone in the precision measurement marketplace.

SmartNet provides the largest and only North American-wide GNSS RTK Network available in the market today. Leica Geosystems offers everything from the reconnaissance and installation of the reference stations themselves, managing subscriptions services, to monitoring the Network's health and operation 24/7.

SmartNet has opened the doors to new markets in precision measurement across many industries such as Precision Agriculture and GIS, while at the same time providing a stable and reliable infrastructure for the traditional construction and surveying applications.

Leica Geosystems' SmartNet Provides Needed Data in Record Breaking Bay Area Delivery

"The elevation measured as we passed under the bridge matched what I had predicted," said Dave Murtha, "based on the measured crane height, the amount of freeboard, and the predicted tide. The system really came through for us, before and during the transit."

—Dave Murtha, Chief Surveyor for the Port of Oakland



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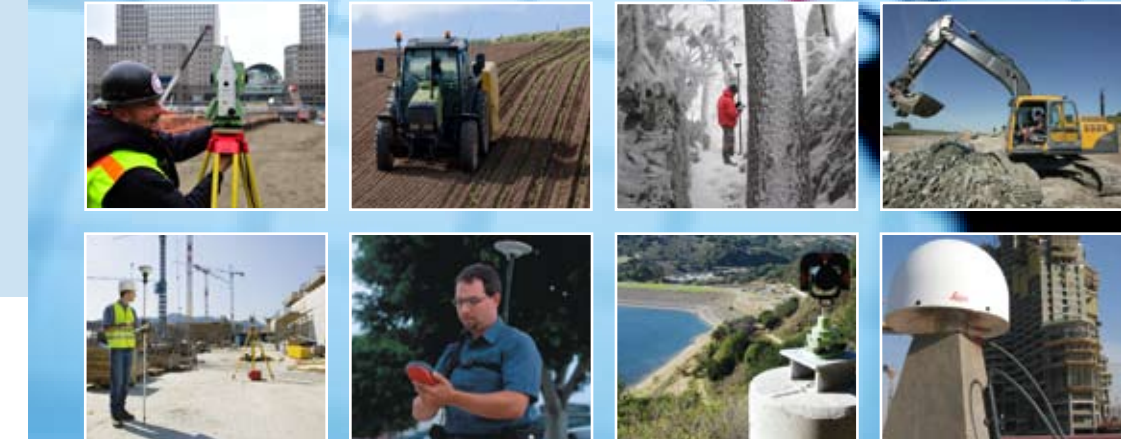
smartnet.leica-geosystems.us

With close to 200 years of pioneering solutions to measure the world, Leica Geosystems products and services are trusted by professionals worldwide to help them capture, analyze, and present spatial information. Leica Geosystems is best known for its broad array of products that capture accurately, model quickly, analyze easily, and visualize and present spatial information.

Those who use Leica Geosystems products every day trust them for their dependability, the value they deliver, and the superior customer support. Based in Heerbrugg, Switzerland, Leica Geosystems is a global company with tens of thousands of customers supported by more than 3,500 employees in 28 countries and hundreds of partners located in more than 120 countries around the world. Leica Geosystems is part of the Hexagon Group, Sweden.

Leica Geosystems – when it has to be right

- when it has to be **right**



SmartNet North America

GNSS RTK Network Solutions by Leica Geosystems



Advantages of SmartNet

Quality

- Same accuracy as a local base station
- High-speed initialization for RTK solutions
- Redundancy – multiple reference stations, not just one
- Reliability – full mirroring of network services
- Quality Assurance – Network Integrity monitoring with GNSS-QC software

Productivity

- Perform cm accuracy RTK surveys with one rover
- Eliminates daily base station set-up and potential errors
- Reduces dependency on ground control monuments
- Far exceeds range of conventional RTK systems
- Convert your existing base station into a productive rover

Reliability

- “Always on” 24/7 monitoring service
- Central data facility specializing in IT and server technology
- 100% power redundancy at facility
- Full Disaster Recovery at physically separate location

Cost

- Half the capital investment – no base station!
- Eliminates paying an employee to guard base station against theft
- Reduces insurance costs – less risk
- Subscribers can easily work in various locations
- State, regional and national level subscriptions available



Applications

Land Surveying

SmartNet can be used in a variety of land surveying applications such as building and monitoring bridges, towers, highways, and dams. SmartNet eliminates the need for land surveyors to set up individual base stations which dramatically increases production and safety. Annual subscriptions for all network RTK GNSS (GPS and GLONASS) rover systems are available.



Construction

SmartNet is being used more and more frequently in high-profile construction projects in North America. Highway construction projects, airport runways, sport stadiums and any construction application that requires precise machine operations and repeat centimeter accuracy.



GIS

SmartNet is ideal for any high-precision mapping projects such as utility mapping, asset management, GIS data collection, and any application that requires consistent high-precision centimeter accuracy. GIS professionals can use any network RTK GNSS (GPS and GLONASS) rover system and the coverage is available 24/7.



Agriculture

SmartNet can be used in a variety of agricultural applications such as cropping, fertilization and land-leveling. With a networked RTK correction from SmartNet, communication distance is not restricted by the communication device. Inside of SmartNet, you can continuously get position over 30 miles away without having to switch base stations or worry about distance from the base.



For more information, visit us on the web at smartnet.leica-geosystems.us

