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Capture new dimensions with Leica Geosystems

Use the most modern technologies to create the solutions for the future of surveying. With GPS systems, total stations, levels, lasers, software, and Internet technologies of Leica Geosystems, you get unique solutions and many practical features.

Leica Geosystems has the largest spectrum of technologies for capturing, modelling and visualizing spatial information worldwide. A well-known pioneer in GPS surveying equipment — having launched the world's first GPS surveying system in 1987 — our traditional terrestrial and global positioning systems, are used widely in the surveying, engineering and construction markets. Special GIS-GPS devices like our GS50 allow the easy capture of data for GIS tasks, and Leica CORS systems provide reliable GPS signals at many places around the globe. In close cooperation with our partner NovAtel, we are preparing the GNSS solutions of the future for different kinds of positioning and navigation, and as a member of "Oregon" we are supporting and actively working on Galileo, GNSS development and Satellite Based Augmentation Systems (SBAS) and all related aspects.

Striving at the forefront of new, innovative technologies of laser tracking and laser scanning, Leica Geosystems can also provide precision measurements that can be imported into CAD and GIS systems. Advanced image processing capabilities now allow spatial data to be viewed in 3D, and through remote sensing, satellite-based images can be used to generate from five to below one metre resolution images to keep maps and databases up-to-date.

Capturing, visualising and modelling spatial data worldwide



Bridge monitoring at Hong Kong with Leica CORS, GPS and GeoMoS



3D city model of North Sydney, created by PSN Survey with terrestrial, aerial and GPS data from Leica Systems.



Bears Down Wind Farm in Cornwall, UK — verification and documentation by Ordnance Survey with Leica GPS500.

