

Leica Geosystems Customer Story

NLS chooses Leica Geosystems as an exclusive partner



■ In the front (left) Seppo Salo, the Managing Director of Leica Nilomark Oy and Risto Nuuros from the NLS Central Administration. In the back, Marko Ollikainen from the NLS Office of Uusimaa and Erkki Ojajärvi from the Computer Centre, NLS.

For many years Finland has been a strong believer in geodetic tradition. Information about land surveying has been collected since 1633. Centuries ago, the information extracted from land surveying was collected on a local level and in 1812 Finland formed its own official body called 'National Land Survey' (NLS). It now has over 2000 employees that work with instruments from Leica Geosystems: The Swiss based, international company was chosen as the official (and exclusive) partner providing the modernist surveying equipment in 2005.

Nowadays, surveying in Finland is centralised and NLS (National Land Survey) aims to have a complete database covering the whole country that will be accessible through the Internet. This information benefits both individuals and Finnish companies.

- when it has to be **right**

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NLS is a governmental agency subordinate to the Ministry of Agriculture and Forestry. It consists of 13 district survey offices, five national operational units and the small central administration. The district survey offices provide expert assistance in matters pertaining to land, real estate and maps. They carry out land surveying and help to prepare deeds of sale, which provide assistance for the registration of titles to properties.

Strong partnership with Leica Geosystems

Despite the fact the amount of Leica Geosystems equipment used by NLS is very high, the choice for this company's equipment was astonishingly simple. Finnish surveyors have been using Leica Geosystems products for many years and are confident about the accuracy. They find the equipment extremely easy to use and with the wide range of loadable application programs that are available it provides all the functionality they need. They are very pleased the modernisation and development of Leica Geosystems' surveying instruments does not lead to complexity.

"It is easy to use by people who have used previous systems – there is a very quick learning curve" explains Risto Nuuros, Deputy Director General, Mapping, he adds "furthermore our field tests have shown that Leica GPS1200 is an efficient equipment in our measuring environment".

The relationship between NLS and Leica Geosystems was first established in that scale, in the year 2000. Previously they have been working with

Leica Total Stations TPS300, TPS1100 and TPS1200. In addition to this, NLS have used Leica GPS System 500 and more recently System 1200 RTK equipment. A great deal of the measurements taken by NLS for cadastral surveys have included Leica Geosystems GPS equipment. The co-operation has worked well, thanks to Leica Nilomark Oy – the official partner of Leica Geosystems in Finland - who has made all the contracts and taken care of the instrument delivery and customer service for NLS.

"Performs best in Finnish conditions"

"We have been using Wild, Sokkia and Trimble surveying products for years but extensive field tests have reassured us that Leica Geosystems' equipment performs very well in Finnish conditions" explains Risto Nuuros, Deputy Director General, Mapping. In Finland, typical conditions can often include working under heavy tree cover and/or close to other obstructions.

In the opinion of surveyors all over the world, Leica Geosystems' GPS1200 is an instrument that leads to serious savings in both time and money. Due to SmartTrack and SmartCheck technology, RTK positions are quickly computed and are more reliable and accurate than ever before – minimising the time to complete the survey. NLS surveyors also appreciated this time and cost effectiveness:

"Reducing measurement time saves our customer money making us more competitive on Finnish surveying markets" adds Risto Nuuros, Deputy Director General, Mapping.

Free service: Maps for Internet users

Since 1996 NLS offered its maps through the Internet as a free citizens service that was available to individuals and as a fee-paying Map Site for professionals. The idea of maps on the Internet was something entirely new and Finland was the first country in Europe to achieve this. Since this was

first created, the map site has acquired a reputation all over the continent and is a well-respected brand.

Today the citizens map site is a map-browsing service that is still open to all and is free of charge for private use. The Professional's map site is a service that is subject to charge and provides topographic material and data that are more accurate than citizen's map site, such as cadastral boundary, cadastral register data, price information, addresses and names.

Modern and historical land surveying data

Even though NLS is a modern company working with the best equipment, it does not forget about its surveying and mapping heritage. In 2005, NLS created an Archive Centre to ensure that maps and documents of great historical or legal value are kept in a safe place.

"It's important for National Land Survey's image that the land survey archives are in a safe place and receive the care they deserve, says Marja Rantala, Director of the Archive Centre.



Whether building a house or a bridge, an office complex or a new road, you need reliable measurements. So when it has to be right, professionals can trust Leica Geosystems Surveying & Engineering to help them collect, analyze, and present spatial information.

With a long heritage of technology leadership in pioneering solutions to measure the world, Leica Geosystems Surveying & Engineering is best known for its broad choice of products and services. This includes TPS total stations, GPS global positioning systems, levels, construction-site lasers, and machine guidance systems, through to comprehensive, integrated solutions for infrastructure and deformation monitoring.

Those who use Leica Geosystems products and solutions every day trust them for their reliability and the value they deliver, and trust in the superior support network.

Reliability, value and service from Leica Geosystems.

When it has to be right.

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