

Leica SmartWorx That's smart!



- when it has to be **right**

Leica
Geosystems

Leica SmartWorx

That's smart!

Benefit from the power and flexibility of Leica System 1200

Leica System 1200 is the most powerful survey system available. Featuring the World's first total station with integrated GPS, Leica SmartStation, you now have the flexibility to set up wherever most convenient and with the touch of a key determine position to centimetre accuracy. Coupled with the most advanced equipment, SmartWorx provides a software suite with unparalleled ease-of-use and performance.

Working together

Leica System 1200 provides a broad range of hardware and software solutions. GPS and TPS operate perfectly independently, and can be

uniquely combined with SmartStation and SmartPole to offer additional benefits. Seamless data flow is guaranteed between SmartWorx and Leica Geo Office and with all office software packages through flexible import and export routines. Everything works together, saving you time and effort.

Leica SmartWorx – the all-in-one GPS and TPS software suite

Professionals in Surveying and Construction are confronted daily by a wide variety of tasks, SmartWorx offers a broad range of functionality to cover all tasks. Not only is SmartWorx powerful, it is also very easy-to-use. Benefit from simplicity and functionality in one package.



SmartWorx

WORKING TOGETHER

FUNCTION
integrated

LEICA SYSTEM 1200



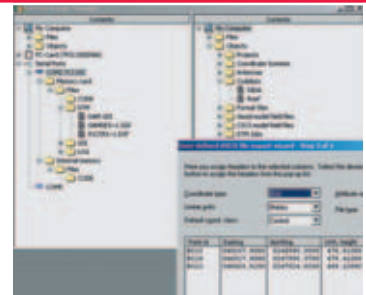
Easy, fast operation

GPS1200 and TPS1200's operating concept leads you straight to what you need. Use the default settings, or allocate displays and functions to keys and define your own menu for the way you work. Leica System 1200 adapts to you!



Powerful field coding

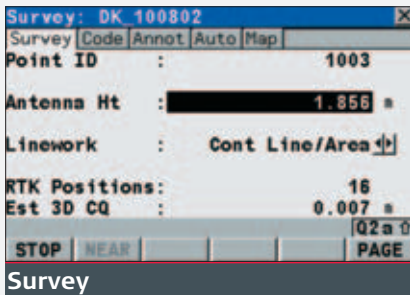
Define points, lines and areas to build up a plan in the display as you survey. You see immediately what you've done. Attach the codes, attributes and information needed for input into your office or mapping software.



Flexible Import/Export

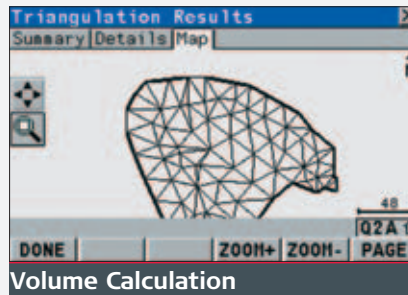
Data can be exported directly from Leica SmartWorx or via Leica Geo Office in various standard formats or in your own user-defined formats for direct input into any type of processing, office, CAD or mapping software.

SmartWorx functionality



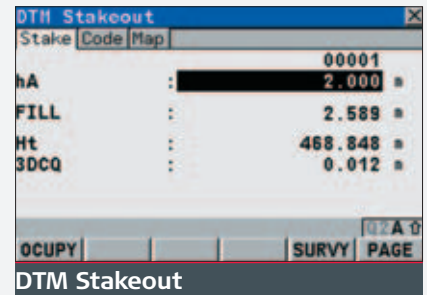
Survey

With the push of one button points can be measured, coded and stored. Be in control of your survey and reduce office work by completing the survey in the field and ready for direct import into your CAD software, with all linework completed.



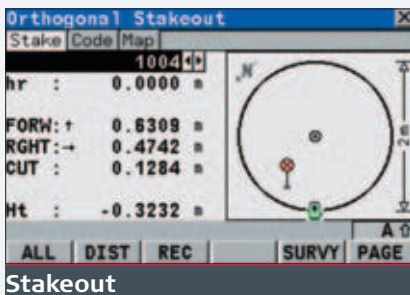
Volume Calculation

Simply survey points on the surface at the desired separation. Once complete, the triangulation can be performed and the volume calculated. Have the results directly in the field and save on office work.



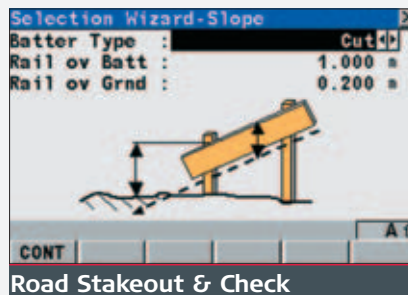
DTM Stakeout

For staking out any 3D design, or monitor progress during construction, Leica SmartWorx offers DTM stakeout. Stake out relative to a DTM, apply offsets and even select the horizontal coordinates from a point and the height from the DTM.



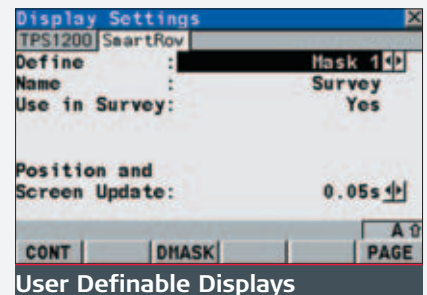
Stakeout

Work directly from the Map or using text and graphical aids. Graphically select points to stake out or automatically select the nearest point. With seamless dataflow from design packages and the highly graphical easy-to-use interface.



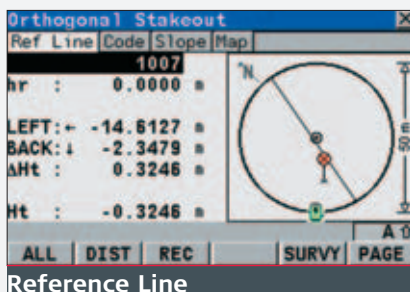
Road Stakeout & Check

The SmartWorx RoadRunner application is perfect for staking out and checking all types of alignments: highways, railways, pipelines, canals, airport runways and earthworks. RoadRunner is easy-to-use and adapts to all your working methods.



User Definable Displays

With SmartWorx you can define different display masks which show exactly what you and your crews want to see when surveying in the field. Set the displays according to the jobs you do and the information required.



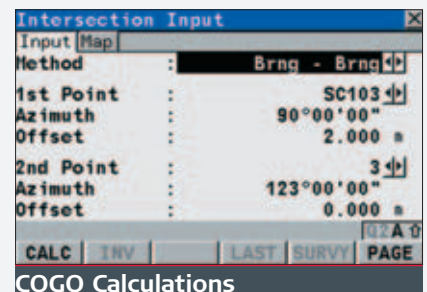
Reference Line

When staking out, or measuring relative to grids, buildings, drainage, seismic surveys etc. Reference Line will satisfy your tasks. Objects can be defined of lines & arcs and can be used with or without offsets in any direction.



Active Map View

The SmartWorx Active Map shows exactly what you've surveyed. Conduct your survey entirely from Map View and graphically select points to be staked out. Use the touch screen or keyboard to access data related to points and objects.



COGO Calculations

Leica SmartWorx includes a full range of coordinate geometry routines: inverse, traverse, lines, arcs, area division, line segmentation, etc. Compute what you need directly in the field – with full graphical capabilities.

Whether you want to survey a parcel of land or objects on a construction site, determine measured points on facades or in rooms, gather the coordinates of a bridge or a tunnel – Leica Geosystems' surveying instruments provide the right solution for every application.

The instruments as well as the software, are designed to meet the daily challenges of modern surveying. They all have outstanding, easy to read and user-friendly interfaces. Their straightforward menu structures, their clearly outlined scope of functions and high technology perfectly mate GPS and TPS applications in the field. Whether you use the advantages of both technologies combined or each separately – due to the exceptional flexibility of Leica Geosystems instruments, reliable and productive surveying is assured.

When it has to be right.

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**Total Quality Management –
 Our commitment to total
 customer satisfaction**

Ask your local Leica Geosystems
 dealer for more information
 about our TQM program.



Leica GPS1200
 Product brochure



Leica TPS1200
 Product brochure



**Leica System1200
 Software**
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Leica SmartPole
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