

Leica RedLine

Tailor-made Site Solutions



powered by



- when it has to be **right**

Leica
Geosystems



Redline Your Efficiency

Position yourself for success with **Leica RedLine**

Earth's most impressive landscapes were developed over millions of years, but today's fast-moving world allows you little time to complete the most complex construction projects. It is good to know, that Leica RedLine gives you the perfect roadmap to reduce your investment while increasing your jobsite efficiency, safety and productivity.

Save time and money

- By using highly versatile site positioning sensors allowing you to reduce your investment to only the equipment you really need
- By using the same components across the entire site
- By minimising operator downtime and enabling operators to work without depending on surveyors

Improve your performance and productivity

- By working to higher accuracies
- By increasing operator flexibility
- By eliminating rework

Hit the ground running

- Learned in minutes
- Simple, guided "Level and Go" concept
- Uses the same interface across all RedLine sensors

Be faster and more cost-efficient than your competitors!



Redline Your Operations

Benefit with **Leica RedLine** across the entire site

From office to field and back again the new Leica RedLine product range has the perfect solution for all your construction site design and positioning needs. The unique modular system design allows the same sensors to be used across the entire construction site:

Leica RedLine "One 4 All" sensors:

Leica PowerTracker

High accuracy total station designed for site tasks

Leica PowerBox

Extremely robust GPS/GNSS sensor built for the harshest environments

Leica PowerAntenna

All-in-one GPS/GNSS system (integrated antenna and receiver)

Leica MCP 950c Controller

One easy-to-use control unit for all sensors

SBG GeoPad Construction

Versatile field software for all site positioning tasks

SBG Geo Construction

The ultimate 3D-site design preparation software

Redline Your Versatility

Design, Positioning and Machine Control
with **Leica RedLine**, the first truly scalable solution

Highest versatility – a unique Modular Solution

Superior Performance across the entire construction site

- Single CAD design and data management concept
- Site control establishment and checking tools
- Base station set-up (or use network corrections)
- GPS/GNSS rover solutions (set-out and as-built surveys)
- GPS/GNSS site supervisor truck/quad-bike navigation and positioning tools
- GPS/GNSS machine control
- High accuracy tracking total station for Machine Control
- Total station surveys (set-out and as-built surveys, one- or two-person operation)



Get your jobsite under complete control with
tailor-made Leica RedLine solutions



Simple to use

- Unique "Level and Go" concept
- One controller for all tasks
- Powerful, intuitive software

Pay only for what you need

- Various upgrade possibilities
- Tailored solutions

Market leading performance

- Unique PowerSearch prism detection
- Highest accuracy GPS/GNSS technology



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Redline Your Workflow

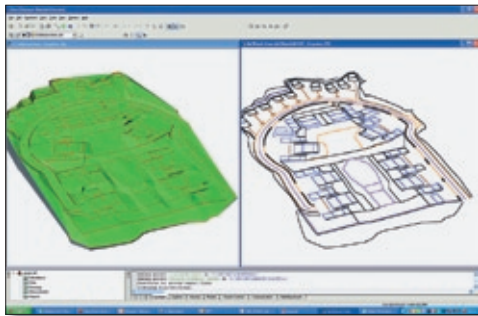
Non-stop through your job with **Leica RedLine**

1

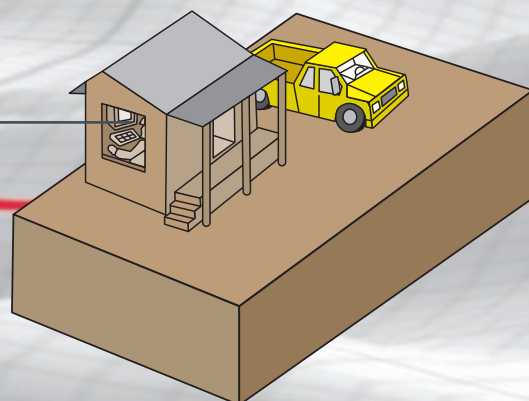
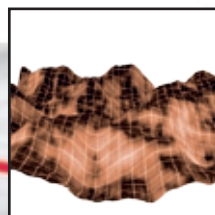
Office

Design and data preparation with SBG Geo Construction

The perfect office software partner for the entire Leica RedLine sensor range. From design to data preparation and file transfer this powerful software suite allows you to manage your entire jobsite while being perfectly integrated into the Leica RedLine sensor range.



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2

Base station set-up with PowerBox and PowerAntenna

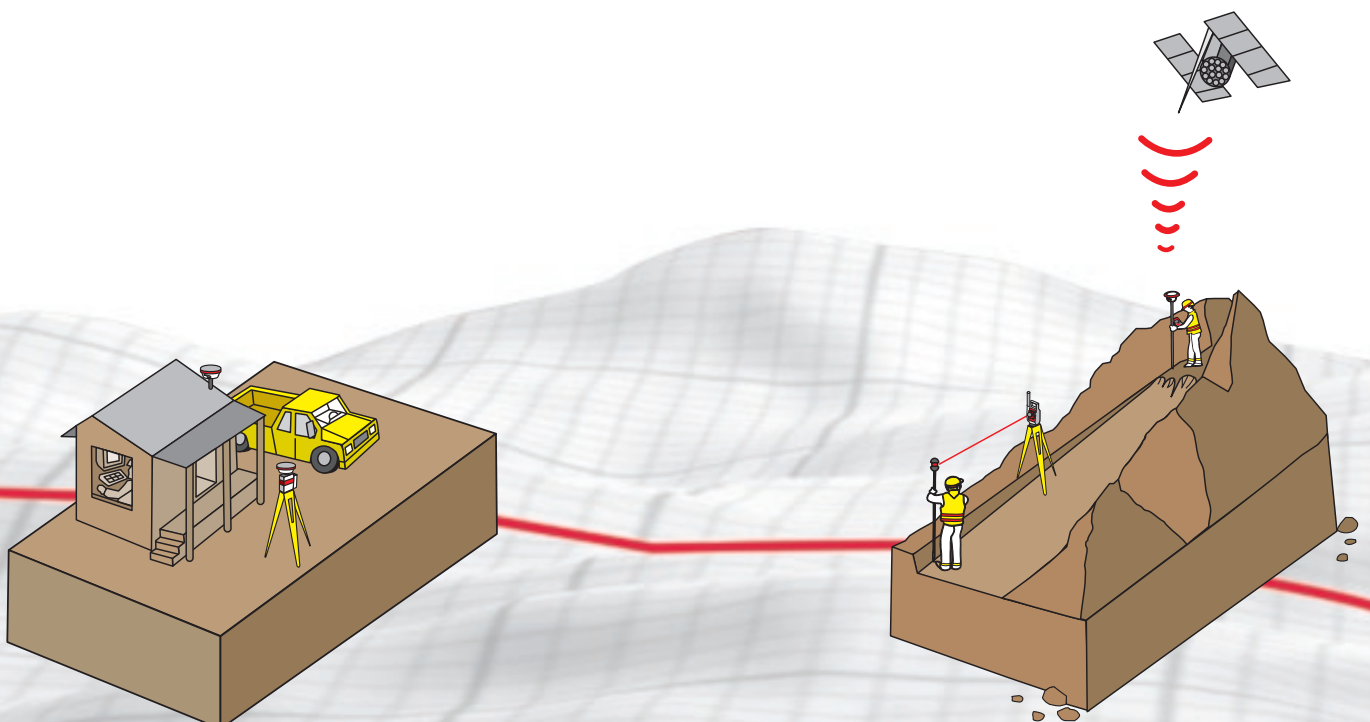
- The latest GNSS technology in a robust design made specifically for the harshest construction sites.
- Use the same sensors for Base Station set-up, machine control and for all construction measurement needs.
- The Leica PowerBox and PowerAntenna are also network compatible to your existing reference networks.
- "Autobase" function to start the base station without the controller.



3

Data capture with Leica PowerBox, PowerAntenna, PowerTracker

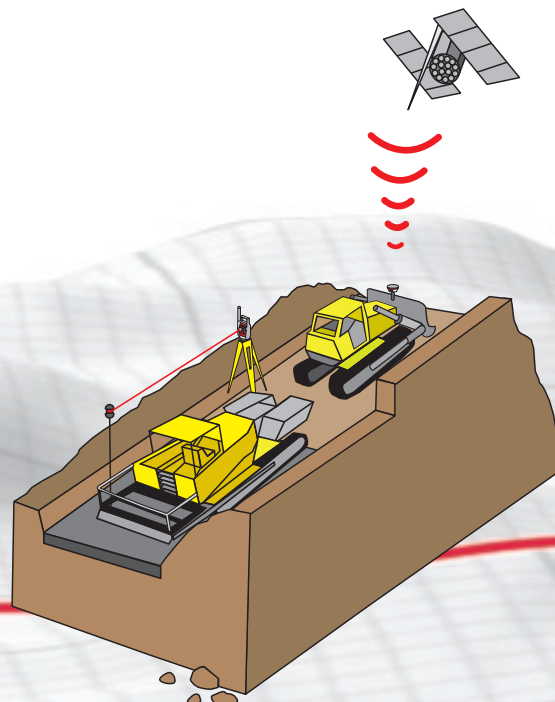
- Capture data for design or stake out your entire construction site with complete confidence from the incredibly versatile range of RedLine positioning sensors.
- Leica RedLine makes it easy to stake out even the most complex design.
- GNSS or Total Station: Leica RedLine provides the ideal solution with unparalleled performance.



4

Machine control with Leica PowerBox, PowerAntenna, PowerTracker

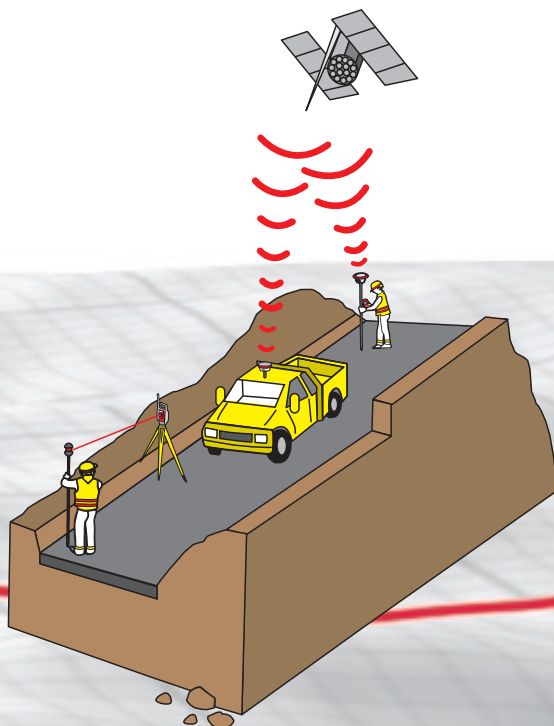
- Control your entire machinery fleet.
- The modular system allows you to use the same sensors across the entire job site.
- No more waiting for a surveyor. Simply take the sensor off the machine and make quick measurements anywhere with ease and confidence.
- Whatever sensor is used, you will benefit from industry leading accuracy and performance.



5

As-built checks with Leica PowerBox, PowerAntenna, PowerTracker

- Leica RedLine gives you the flexibility to track your work and ensures that the tightest tolerances have been achieved.
- Our simple user interface guides you through the entire process to make sure all tasks are completed right the first time.



Redline Your Job with an unbeatable Team

Smart, flexible and growing with your needs: **Leica RedLine**



Leica PowerBox

The new dimension in site positioning

- Designed for the toughest machine control applications and construction measurement tasks in a backpack
- For dual-antenna orientation simply add a PowerAntenna
- Use the same components for all off-machine applications

Leica PowerTracker

The perfect precision tool as simple as can be

- Designed specifically with the construction site and the construction user in mind, simply level the sensor and go
- No keyboard on the sensor and an extremely intuitive user interface.
- A highly accurate robotic tracking sensor
- Use for machine control, classic construction measurement or in full one-man robotic total station mode

Leica PowerAntenna

The world's most versatile GPS/GNSS

- Uses the same components for on- and off-machine applications
- Versatile and extendable system that suits to many construction measuring applications
- Leica Geosystems' leading edge technology in a scalable design, that grows precisely with your needs

Leica PowerController

On-site design information for all-site staff

- The first tool, that allows all construction site staff access to digital design
- Display design files from the project engineers anywhere on site
- Windows CE device
- With removable CF Card for easy data transfer and with extended data storage
- Simple user interface that allows non-specialists to set-up GPS/GNSS base stations or total stations



SBG GeoPad Construction

The all-round field software range by SBG

- Designed to meet your on-site measurement requirements using handheld Windows® enabled devices
- GeoPad Site Navigator allows all on-site staff access to digital design data
- Measuring on-site position
- Consulting site design
- Setting-up GPS base stations and total stations

SBG Geo Construction

The ultimate site design preparation software by SBG

- Import design data from a range of industry standard formats
- Exchange design data to Leica RedLine measurement sensors and machine control systems
- Easy-to-learn interface with a built-in AutoCAD® engine to open, edit and save native AutoCAD®, DWG and DXF drawings
- Compatible with any type of design model: alignments, cross-sections, 3D stringlines, digital terrain models etc

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Redline Your Skills

Get ahead with Leica Geosystems first class user training and customer service

Leica Geosystems' individually tailored on-site training offers your staff the opportunity to learn in a familiar environment. Our training options make it easy for you to increase your productivity economically and with minimal disruption to your work schedule.



Structured to your specific needs

- Scheduled Training Courses
- Informative Seminars and Web Broadcasts
- Customized Training Courses
- Consultancy Services

Stay in top condition – Leica Geosystems keeps you up to date

- Technical Service
- Comprehensive maintenance contracts
- Hardware and Software upgrades

After sales support & service

Comprehensive support is only a quick phone call away providing regional nationwide and international service and support. You benefit from an extensive network of Leica Geosystems service centres and authorised Leica Geosystems dealer centres throughout the world.



Product Manager: Matthew Desmond – Leica Geosystems

"Leica RedLine is the first complete 3D positioning systems on the market designed specifically for the construction site. The same sensors can be used on machines, for surveying on the pole, in a backpack or for reference station setup. The easy-to-use sensors and powerful software combine to reduce machine downtime, improve quality, increase operator flexibility and speed up projects."



Dealer: Ray Copeland – General Manager/ Director, Global Survey Ltd, New Zealand

"This system is exactly what our customers were waiting for. It allows the client to use the gear for survey work and then on the machine. This gives a faster return on investment and greater flexibility. The operators like the easy user interface of Leica RedLine, as they can start working with the system out of the box. Another great benefit is, that the system can be upgraded according to the customers needs."



- when it has to be right



Leica Geosystems increases your site productivity with a complete range of construction site positioning solutions. From simple stakeout tasks to full 3D machine control Leica Geosystems offers you unparalleled performance across your entire site.

Dozers, graders, excavators, concrete pavers and asphalt finishers are just some of the construction machines that can be fitted with scalable, tough and reliable construction machine control systems. With a wide range of support services to choose from and the backing of our world-wide service and support network Leica Geosystems helps you master your site.

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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

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Leica Geosystems Machine Control Solutions



Leica Rugby 300/400 Product Brochure



Leica Builder 800 Product Brochure



Leica Digisystem Product Brochure



SBG GeoPad and Geo Construction Software Product Brochure