Leica Geosystems iCONtrol
Custom-built Solutions for Machine Control

Leica Geosystems intelligent CONstruction.
Whether you construct buildings, roads, bridges or tunnels, you benefit from intelligent CONstruction. Leica iCON is more than a new product line or software package. It's a complete solution that enables you to enhance your performance and increase your profitability through perfecting your construction workflow.

Understanding construction demands outstanding solutions:
- Custom-built
- Complete
- Straightforward
- High performance

When it has to be right.

For more information on Leica iCON products and services, please visit: www.leica-geosystems.com/icon

Illustrations, descriptions and technical data are not binding. All rights reserved. Printed in Switzerland - Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2014. 799698en – 02.14 – galledia
Leica Geosystems intelligent CONstruction
Enhancing your performance

Fully understanding construction carried us beyond the ordinary. Leica iCON is more than a new product line and a software package, it enables you to enhance your performance and increase your profitability through perfecting your construction workflow.

**iCONstruct**
Tailor-made hardware and software solutions for positioning and measurement tasks on site.
- Custom-built
- Straightforward
- Extendable
- Interchangeable

**iCONtrol**
Provides you with a comprehensive portfolio of powerful machine control solutions that communicate seamlessly with your iCONstruct sensors on site and office software.
- Intelligent and flexible control system for construction machinery
- Reliable and seamless sensor communication
- Streamlined workflow & data handling

**iCONsult**
An extensive support network providing clear guidance on intelligent CONstruction benefits to grow your business.
- Worldwide network
- Personal service
- Professional consultancy

**iCONnect**
Offers easy data transfer from office to site and machine, remote support for operators on the machine, and basic fleet management functionality.
- Simplifies work processes, saving time and cost
- Instant guidance and checks
- Real-time data guarantees accurate jobs
- High productivity

Leica iCON is the result of a vision, based on our commitment to provide you with high standard product and service solutions. With our standards being strongly interlinked, we believe they establish a solid foundation for shared growth and success.

**Customer Support**
Worldwide support network with hotline, web-based support, seminars, customised trainings and consulting service.

**Customer Care Packages (CCPs)**
Tailored service packages allow you to maximise the benefits from your investment.

**High quality, lowest cost of ownership**
Proven quality of Leica Geosystems solutions reduces your cost of ownership significantly.

**Worldwide Service Network**
Extensive support network and broad service offerings include certification services, repairs and product upgrades.

Leica Geosystems
Your trusted partner

Understanding construction.
Leica iCon telematics

Save time, speed up work, boost your productivity

Leica iCon telematics part of our iDigOn suite, offering new data services to your office in the site and machine.

iGx technology empowers the operators with information and management functionalities. The r-bus (network) technology is ideal for any back processes considerably, saving your time and money.

- Take control of the operator’s screen via remote access. Support personnel on the office can take action on the machine’s screen.
- One-touch diagnostic. In case the operator needs help, remotely view the operator’s screen. View enables you to remotely view the operator’s screen.
- View provides the office manager the ability to remotely monitor the machine’s screen and take necessary action.

- Leica iCon grade iGx3 Grading solution
  - Full 3D/2D functionality presented on the screen.
  - Cross section view of bucket position
  - Profile view of bucket position
  - Auto/manual information is presented on the screen.
  - One-touch switching between 2D & 3D without plans!
  - Create simple terrain models directly on the screen – get the power of 3D views – see it how you want to!

- Leica iCon grade iGx2 Grading solution
  - Full 2D functionality presented on the screen.
  - Cross section view of bucket position
  - Profile view of bucket position
  - Actual height & offset height
  - Direction of excavation – view

- Leica iCon excavate iXE3 Excavating solution
  - Seamless with the iCON construct sensors and iCON office to enable a smooth workflow and increase productivity on site.
  - Leica iCon excavate iXE2 Excavating solution
  - Provides ease-of-use.
  - Intuitive user interface which communicates seamlessly with the iCON construct sensors and iCON office to enable a smooth workflow and increase productivity on site.
  - Menu
  - Full visual guidance of the bucket – 3D excavator guidance for complex road design projects like trenching, basement and embankments are efficiently guided by a real-time visualization.
  - Selectable reference method
  - Cross section view
  - Profile view of bucket position

- Leica iCon iTrack
  - Fleet management tool which seamlessly integrates stable data in a cloud data center. In-place one location to track, manage, maintain, monitor, and control your entire fleet. Key benefits include:
  - Real-time job information
  - Access anytime, anywhere
  - Set filters by geographical area and machine type.

Take your on-site workflow to the next level with iCon control solutions from Leica Geosystems. iCon control solutions seamlessly combine operational efficiency with a powerful cloud-based data management infrastructure. Boost your productivity, Save time, speed up work, and control your entire fleet.

Choose your solution

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.

- Leica Geosystems intelligent construction solutions grow with your business, making you have one convenient software package for the entire construction site. Upgrade your 2D machine control system to 3D and benefit from advanced capabilities.
  - Contact-free operation
  - Easy upgrade 2D -> 3D. Intelligent storage of machine data.
  - PowerSnap Concept
  - Unique patented snap-on & snap-off capability. Contact-free. Easy upgrade 2D -> 3D. Intelligent storage of machine data.
Leica Geosystems iCONtrl
The complete solution for all machine control tasks on site

- machine control tasks on site

- The complete solution for all

- Leica Geosystems iCONtrl can fulfill this requirement and much more.

- preparation, editing and reporting software package digital model. Leica iCON office, a complete data comes in the form of a paper plan or a complete 3D design data must maintain this integrity whether it setting-out or using machine control systems depends successful on site measurement, whether checking, ensure you handle on-site tasks more efficiently than communications technology. They work together to software tailored for construction and the latest

- With Leica iCON, you have the accuracy and performance means preparing data only once by using the As-built app

- Calculate the volume of a stockpile or pit Check an actual surface against the setting-out Points or Lines Bring the designed model to the field by using the As-built app

- Machine control tasks

- Leica iCON excavate offers guided and performance even more while benefiting contractors can now boost their productivity

- Leica iCON grade offers guided as well as automated solutions and preparing it for a road project, the iCON grade solution offers significant time and cost savings.

- For the applications of cutting to subgrade finishing & road preparation

- Filling & Road Preparation

- Land recontouring

- Construction of embankments

- Site development

- Cutting & Fill operations

- Baseline – a standard application

- Basement – a standard application

- Trenching & Residential

- Trenching – a standard application

- Underground – a standard application

- SP Technology

- Machines equipped with SP Technology

- By using inertial guidance with the most responsive hydraulic control on the market, unrivalled flexibility offers end users high efficiency and productivity use Leica PaveSmart 3D.

- Doing the difficult blind cut applications doing from 0.3&;##039; to 2.4 ft above the grade line for a dozer, helping you spread material for sub

- applications like: excavation, spillage, and productivity...