

# Leica iCON office

The ultimate construction data preparation software



**icon**  
intelligent CONstruction

- when it has to be **right**

**Leica**  
Geosystems

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The ultimate construction data preparation software



**Successful on-site measurement, whether checking, staking or using machine control systems depends upon the preparation and integrity of the design data. The software application used to prepare design data for on-site measurement and machine control systems must maintain this integrity whether design data comes in the form of a paper plan or a complete 3D digital model. Leica iCON office, a complete data preparation, editing and reporting software package can fulfil this requirement and much more.**

#### **iCON office speaks the language of your design data**

The Leica Geosystems philosophy is to use the shortest possible path from design to field. By working in close co-operation with local and international design software suppliers Leica Geosystems has produced an application that can import and export data formats that have become de facto industry standards as well as many data formats that are used only in specific regions. These formats include, amongst others:

- AutoCAD DWG
- AutoCAD DXF
- LandXML
- MX / Moss
- REB
- Ispol

#### **Work with a range of different design models**

Many different design entities from simple road alignments to more complex road stringline, cross-section or layer models as well as digital terrain models and background maps may be used with Leica iCON office.

#### **Send your design data to all of your machines and sensors from one package**

Leica iCON office is compatible with many different machine control systems. The software supports a range of machine control systems and measurement sensors from Leica Geosystems as well as other manufacturers.

#### **Calculate as-built cost estimates using volume analysis**

The optional Leica iCON office terrain model module allows accurate surface to surface or surface to elevation volumes for cost estimation purposes. This module allows complete control of the surface models used for calculation

including boundaries and breaklines. The module may also be used for creating terrain profiles and sections.

#### **Easy and quick quality control reporting**

Leica iCON office offers various standard reports for quality control reporting. For example, a statistical check and tolerance report of deviations with respect to a design surface can be created at the click of a button.

#### **Save time and money**

The Leica iCON office package has an easy to use interface that allows you to be up and running in a short period of time. Use the self-training package delivered with the software or take advantage of one year's free technical support that is included with the licence. In addition to the simple user interface, Leica iCON office works the way you are used to, using the built-in AutoCAD® engine to open and edit native AutoCAD® drawings.

#### **Follow the best-in-class**

Several of the world's most complex construction projects have relied upon this technology:

- The Öresund bridge, Sweden-Denmark
- Snövit, oil and gas project, Norway
- Taiwan high-speed railway project
- SSSP tunnel project, Saudi Arabia
- Turning torso, housing project, Sweden
- Hallandsås, tunnel project, Sweden
- Urra, water power plant, Colombia
- Western Sydney Orbital, road project, Australia
- Ngqura deep-sea port, port project, South Africa
- A2, road project, Poland
- New Delhi subway, tunnel project, India



### 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 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.**

#### Leica iCON office

##### Add-on modules

Roadlines

Terrain model

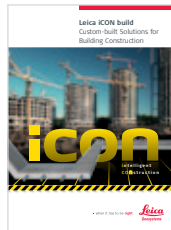
Volume calculation

Netadjustment

Tunnel

Point database

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Leica iCON build  
Brochure



Leica iCON site  
Brochure



Leica Excavating  
Solutions Brochure



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

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

#### System recommendations

**Operating system:** Windows XP, Vista, 7  
**Processor:** 1000 MHz or faster processor,  
such as the Intel Pentium/Celeron, AMD  
K6/Athlon/Duron family, or compatible  
processor  
**RAM:** min. 512 MB of memory or more  
**Monitor:** 1024x768 or higher  
**Video adapter:** Hardware accelerated  
3D graphics card

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