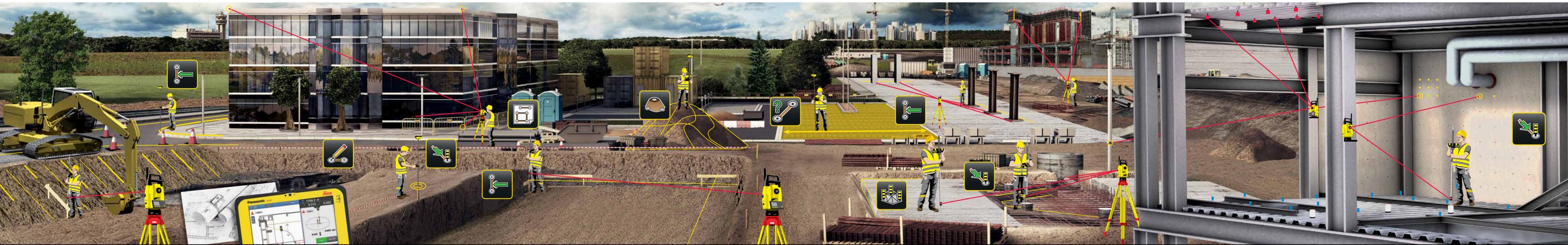


Leica iCON build

The complete solution for all positioning and measuring tasks on site



iCON
Intelligent
CONSTRUCTION

Leica iCON build provides unmatched versatility and flexibility. It enables you to carry out all positioning related tasks with just one solution. In addition, each iCON build application offers unique features and benefits, performance and accuracy.

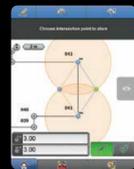
Customize and extend your iCONstruct toolbox.
iCON build is part of the unique iCONstruct toolbox, providing you with one solution for all your construction tasks across the entire job site. iCONstruct offers you the possibility to extend and customize applications according to your needs.

Leica iCON. Understanding construction.



Sketching Applications

- Point Pilot for fast and intuitive input of plan dimensions
 - Create points, arcs, lines, anchor bolts, patterns etc. within seconds
- Benefits**
- Easily replicate digital blueprints
 - Fix incomplete data in the field by adding missing structures
 - Immediate response to changes on site
 - Update plans to reflect true situations



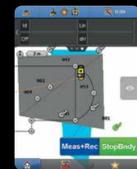
Layout Lines Applications

- Layout control lines, parallels, perpendiculars or arcs and align structures in relation to them
 - Apply horizontal and vertical offsets
 - Stake out strings to mark elevation for curb reference
- Benefits**
- Aligning columns and anchor bolt patterns easy and fast
 - Simply rebuild and extend incomplete structures
 - Monitor offset value to speed up form work erection
 - Repeatable positioning of profile boards and precise transfer of alignments eliminating risk of board damage



Volumes Applications

- Calculate volume of a stockpile or pit, comparison between surfaces or to the elevation
 - Apply compaction factor in relation to your material
 - Read out balanced site elevation
- Benefits**
- Accurate and flexible volume calculations, independent of size or shape
 - Calculation of truck loading considering compaction factors
 - Balance out Cut & Fill for optimised material and machine usage
 - Monitor ongoing progress of earthworks



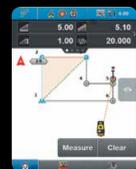
Slopes Applications

- Mark the daylight line on original surface
 - Define grades for excavations
 - Install batter boards as slope indicators on embankments
 - Indicate inclination for foundation piling
- Benefits**
- Simple definition of slopes in %, degree or ratio in the field
 - Graphical representation in top and cross-section view
 - Secure navigation to correct elevation and position in sloped terrain



Checks Applications

- Check distances (horizontal, vertical, sloped)
 - Check grades and angles
 - Check area and perimeter in 2D and 3D
 - Info panel shows all results at a glance supported with graphics in map
- Benefits**
- Verify on site correct placement of walls, formwork, columns, pipes, etc.
 - Decide in the field based on facts rather estimates
 - Precise input for pre-fabrication of manholes, ventilation systems, windows or orders of sand, pavement, etc.



Points & MEP Layout Applications

- Simply lay out sketched or imported points directly from the map
 - Intuitively navigate to selected hanger, slit, insert, conduit, outlet, etc.
 - Auto-select next point from list or the nearest from current location
- Benefits**
- Optimised in/out, left/right display via split screen and viewing options
 - Colour code clearly indicates quality of laid out points
 - Integrated tolerance checks increase precision and reduce errors
 - Important point info available as code in info panel, e.g. "3/4" insert"



As-Built Applications

- Capture points, lines or arcs in one step with immediate graphical representation
 - Apply codes per point and store measurements automatically
 - Unique Start/Stop line feature accelerates line creation
- Benefits**
- Reduce site visits by visually verifying the measurements in the field
 - Assign as-built data to individual layers while collecting points
 - Back-up your control lines
 - Store accurate 3D data as base for any CAD/BIM office operation or architectural planning



www.leica-geosystems.com/icon



Leica iCON CC66
Rugged, mobile tablet PC with enhanced connectivity and functionality.



Leica iCON CC80
Robust, extremely lightweight tablet with multi-touchscreen and versatile communication capabilities.



Leica iCON gps 60
Versatile SmartAntenna for multi-purpose positioning tasks.



iCON robot 50
Mid-range robotic total station with one-button operation.



iCON robot 60
High-end robotic total station with superior technology and iCON onboard.



Leica Builder
Intuitive, powerful and scalable manual total station series for routine construction tasks on site.



iCON builder 60
High-end manual total station, running iCON on colour touch screen.

- when it has to be **right**

Leica
Geosystems