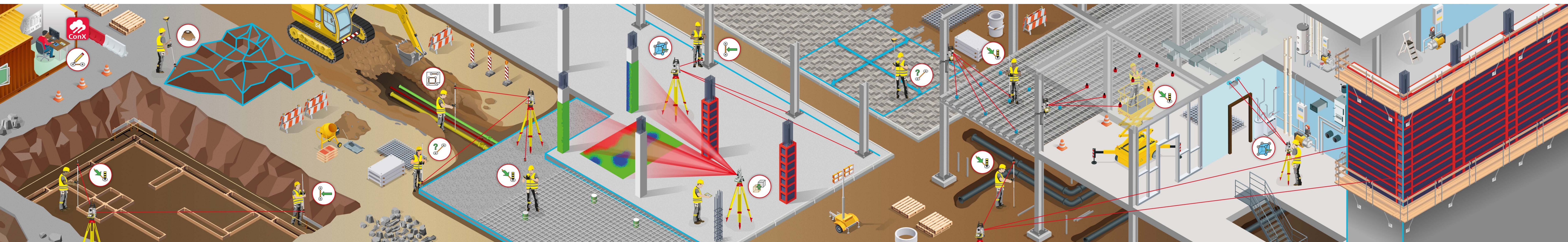


Leica iCON build

The complete solution for all positioning and measuring tasks on site



Leica iCON. Understanding 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 iCON field toolbox.
"EXTEND YOUR BUSINESS TO EARTHWORKS" iCON build is part of the unique iCON field toolbox, providing you with one solution for all your construction tasks across the entire job site. iCON field offers you the possibility to extend and customize applications according to your needs.

www.leica-geosystems.com/icon

Sketching



Applications

- Point Pilot for fast and intuitive input of plan dimensions
- Create points, arcs, lines, anchor bolts, patterns etc. within seconds
- Create center points, mid points and intersections points from design data quickly and easily

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



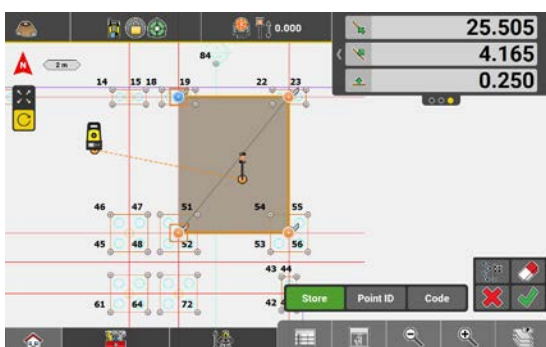
Applications

- 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



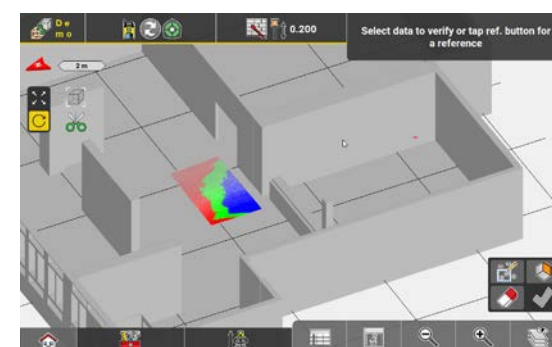
Applications

- 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 optimized material and machine usage
- Monitor ongoing progress of earthworks

Verification



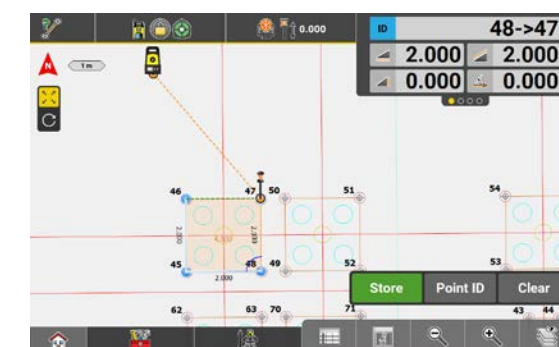
Applications

- Simple use of points and scans to verify against design at the right stage of the project
- Easy selection of reference for real-time in-field comparison
- Optimized heatmap to highlight points out of tolerance easily on site with reporting capabilities

Benefits

- Highlight high and low spots for concrete pours to enable quick corrective measures
- Verify on site correct placement of walls, slabs, columns, pipes etc.
- Quick in field decision making based on facts during construction
- Direct export and reporting of verified data for project progress tracking and archiving

Checks



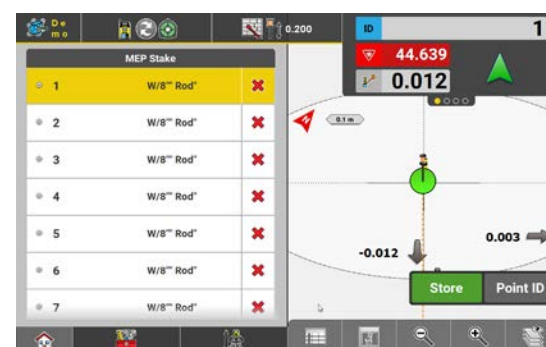
Applications

- 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



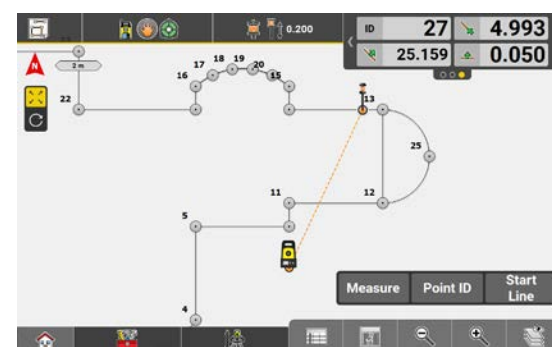
Applications

- 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

- Optimized in/out, left/right display via split screen and viewing options
- Color 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



Leica iCON CC70 & CC80

Robust, extremely lightweight field controllers with multi-touchscreen and versatile communication capabilities.



Leica iCON iCB50/70

Intuitive, powerful and scalable series of total stations for routine construction tasks on site.



Leica iCON ICT30

Easy-to-use and durable layout tool for one person operation.



Leica iCON iCR70

Mid-range robotic total station with one-button operation.



Leica iCON iCR80/80S

High-end robotic total station with superior prism aiming, lock and re-lock technology.



Leica iCON gps 30

Construction GNSS Smart Antennas for construction applications.



Leica iCON gps 70 T

Ultimate performance for your construction site.

- when it has to be **right**

Leica
Geosystems