

HPC-DESIGN LTD

2025

SURVEYING & EQUIPMENT



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ARCHITECTURAL SERVICES,
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CONSULTANTS

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Leica
Geosystems

Leica TS16: Robotic Total Station



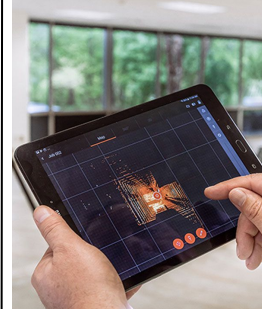
Leica GS18:
GNSS RTK Rover



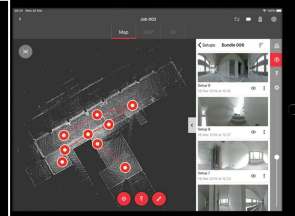
Leica AP20:
AutoPole



Leica BLK360



Field 360
(ios app)



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Leica TS16: Robotic Total Station

- ❑ **Best-in-class automated total station for the widest variety of measurement tasks and application:** including one-person or two-person instrument operation for surveying and stakeout.
- ❑ **Topographic surveying to create digital reality for mapping:** control point measurements, adjustments, computations and data collection with powerful coding and line work routines.
- ❑ **Highest efficiency and productivity for stakeout and construction measurements:** stakeout design data, as-built checks, BIM and clearance checks.
- ❑ **Site preparation and machine guidance in heavy construction projects:** site control, surveying, layout of design data, as-built checks, machine guidance and road, rail and tunnel focused workflows.
- ❑ **Quick and reliable monitoring of locations, buildings and objects in real-time in any environment:** perfect for campaign monitoring and scaling up to an automated monitoring solution.

Accuracy / Measurement time

- Single (prism)^{2,5}
- Single (prism fast)^{2,5}
- Single (any surface)^{2,4,5,6}

1 mm + 1.5 ppm / typically 2.4 s
 2 mm + 1.5 ppm / typically 1.5 s¹¹
 2 mm + 2 ppm / typically 2 s⁷



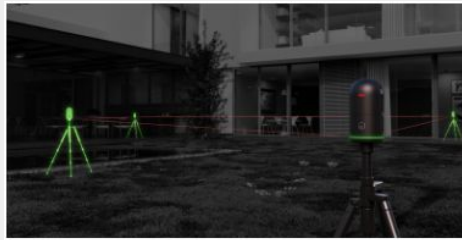
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BLK 360 Gen 2



**The World's smallest and
lightest imaging Laser Scanner**



VIS Scan Alignment System

Combine new scans automatically in the field with Leica Geosystems' exclusive Visual Inertial System (VIS) Technology.



Ultra Fast LiDAR Sensor

The new BLK360's LiDAR sensor captures point clouds at 680,000 points per second – completing a total scan with spherical images in 20 seconds.

3D Point Accuracy: 4mm @10m

Leica
Geosystems



Spherical HDR Imaging

The BLK360's 4-camera system captures high dynamic range (HDR) spherical images and provides greater dynamic range for immersive photospheres and colored point clouds.



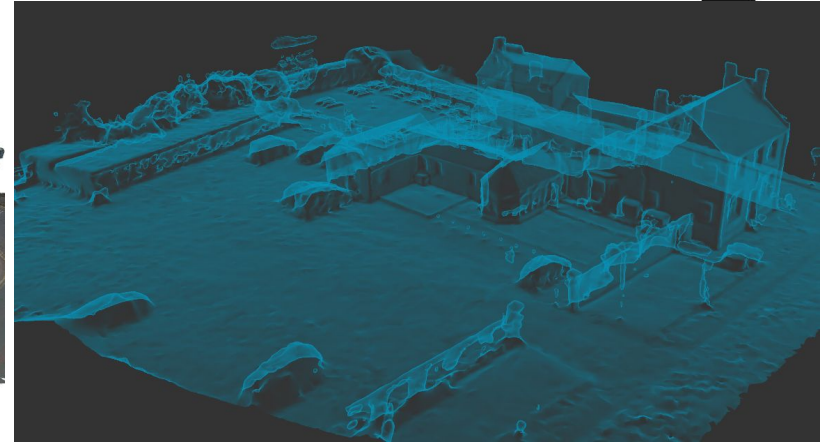
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With the use of our Drone and Autodesk ReCap, we are able to capture and create high-quality, detailed models of Real-world assets by transforming laser scans and photographs into 3D models.

Useful in projects, saving time and increasing efficiency.



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POINT CLOUD



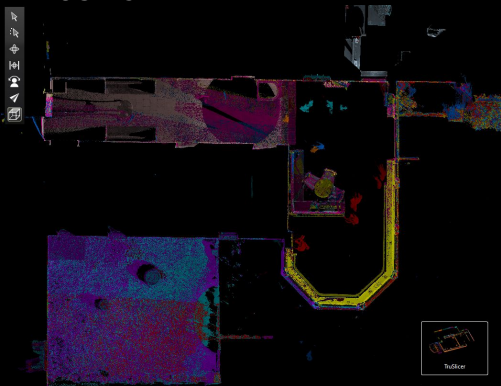
SETUP CLOUD



SITE MAP



TRUSLICER



Register 360 - Post capture processing



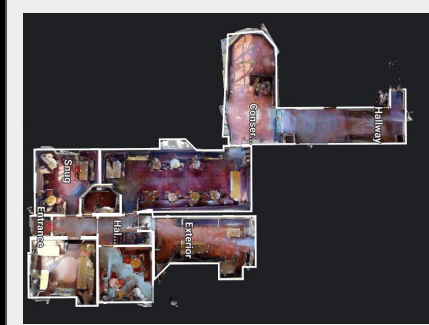
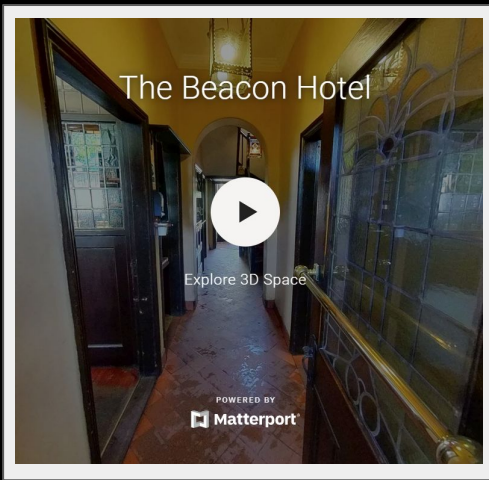
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Matterport

[Click Link Here](#)



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Leica TruView Cloud - File Sharing

DIGITAL REALITY DATA ANYWHERE, ANYTIME, ANY DEVICE.

Leica TruView is the industry leading software for easily and intuitively sharing point cloud data, design models, mark-ups and more. TruView Cloud makes it easy to harness an enterprise-level TruView solution thanks to its subscription model and Leica Geosystems hosted cloud offering. Now, even firms without a dedicated IT department can easily deploy the service and manage all their users from a single, secure, simple-yet-powerful platform.

TruView Cloud lets any user navigate a scene by panning, rotating and zooming. Plus, add notes, markups, GeoTags and hyperlinks to communicate globally with ease. Even visualize designs in context by including your Cyclone REGISTER 360 PLUS models when publishing to TruView Cloud.

