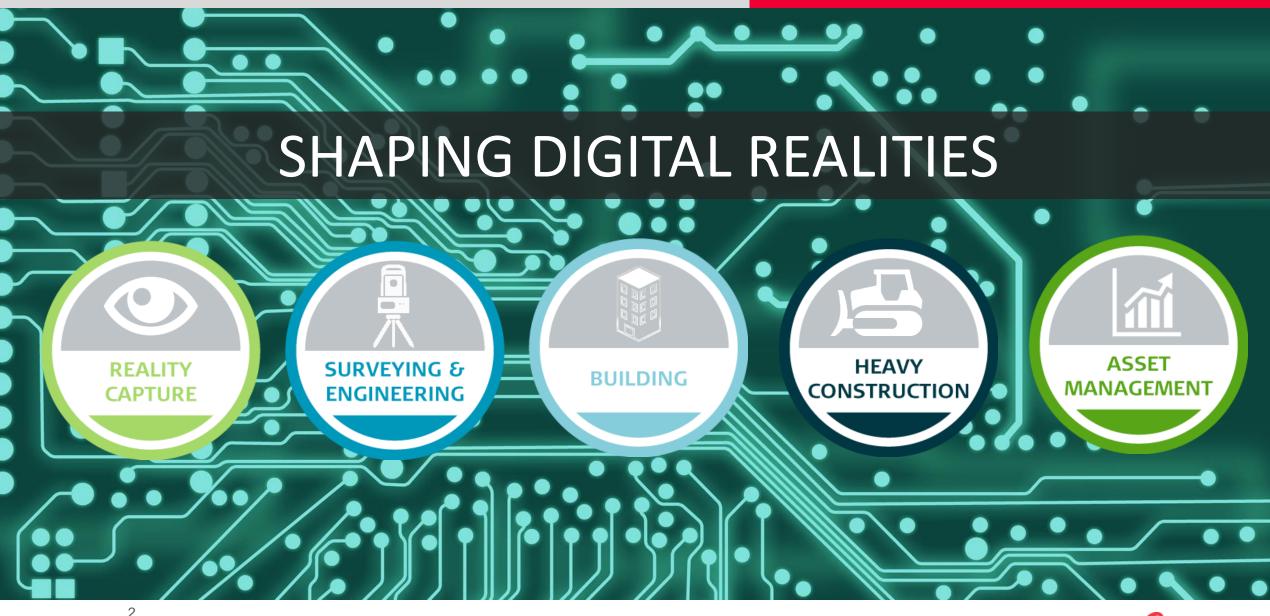




Building Capabilities in Complex Environments







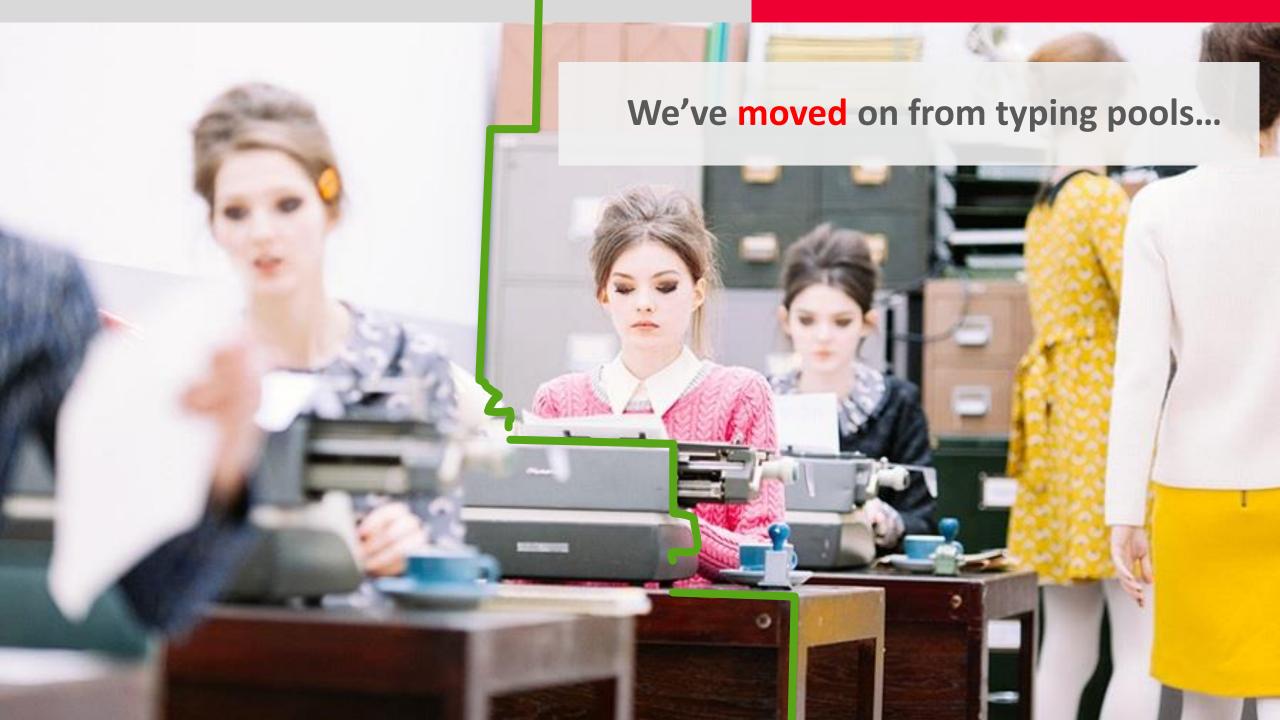
"To be smart, cities must be digital, safe and connected," said Hexagon President and CEO Ola Rollén "At Smart City Expo World Congress, we will demonstrate how our sensors and data, industry expertise and technologies and platforms empower cities to reach their fullest potential."



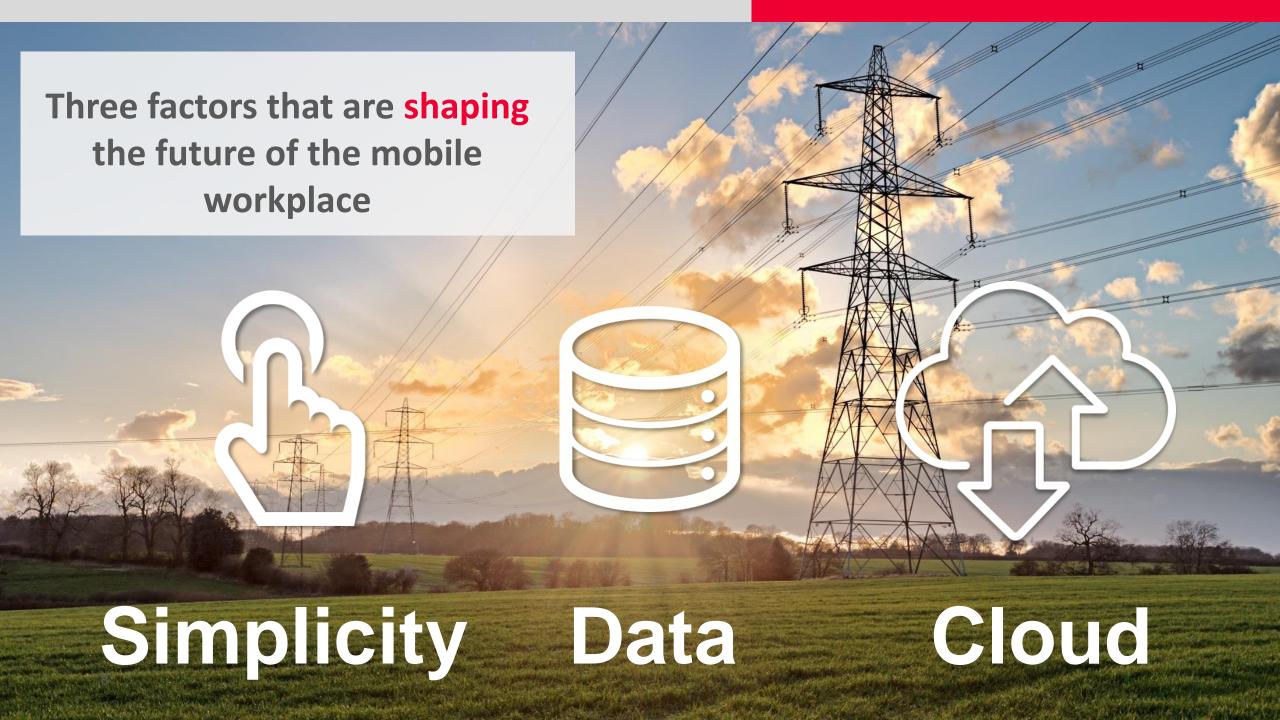




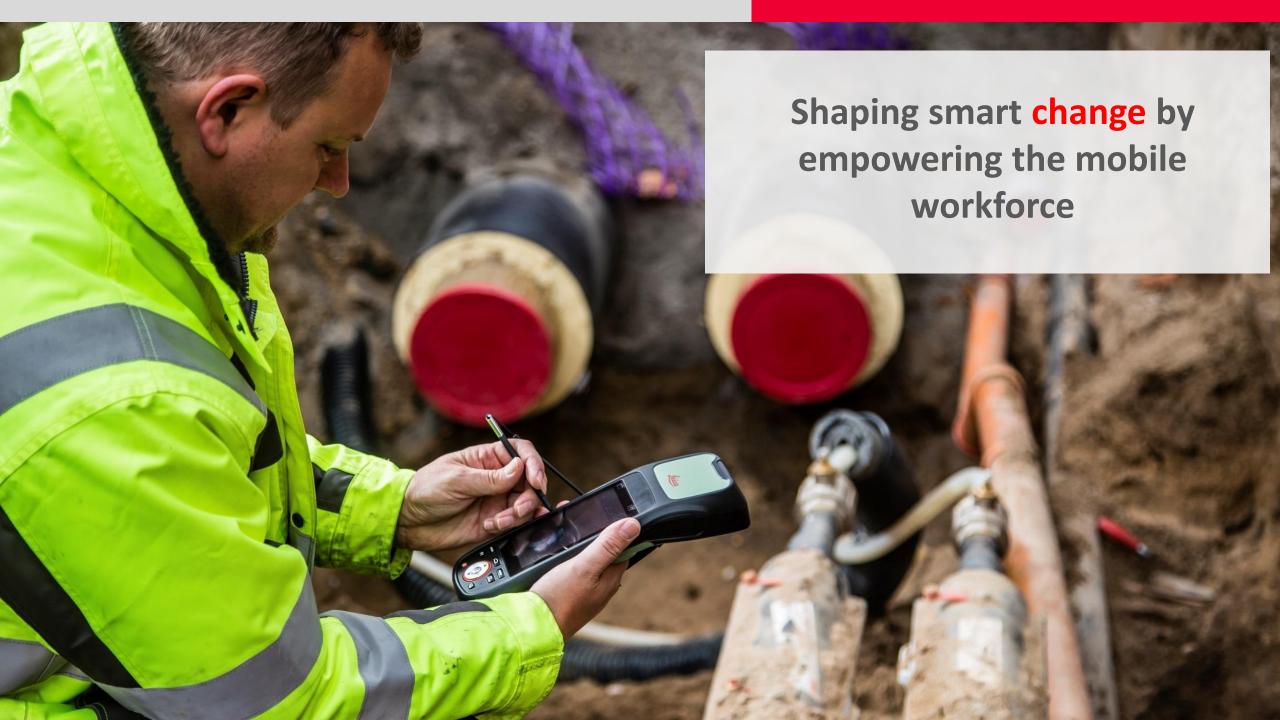






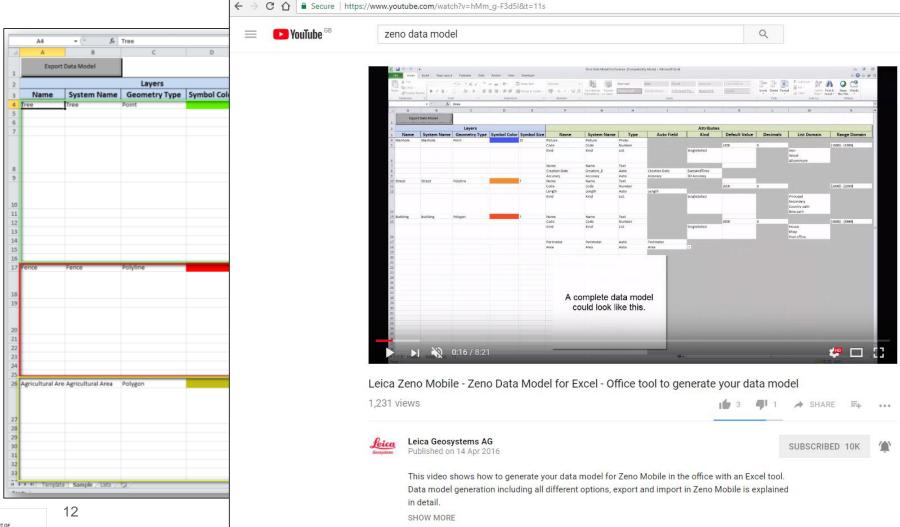








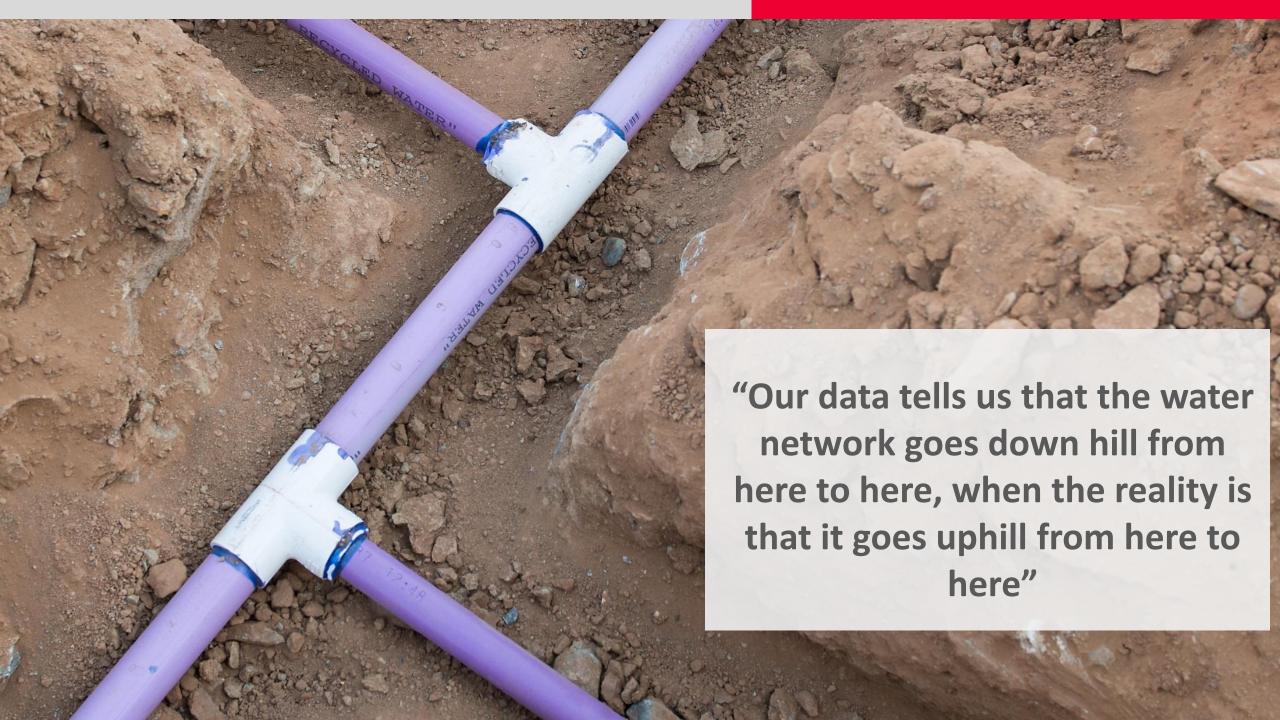
Data Model Creator









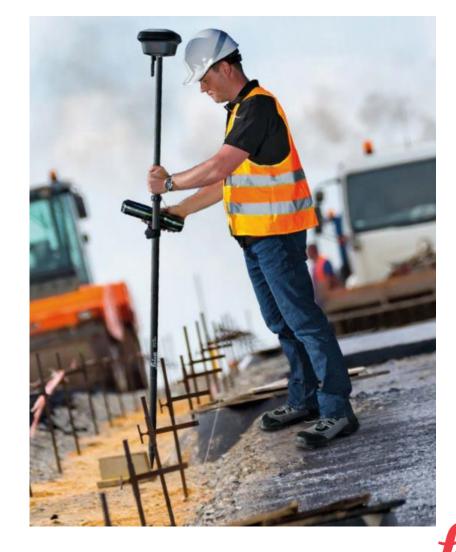


Excited to Announce...

Leica GS18 T

"Forget the bubble"

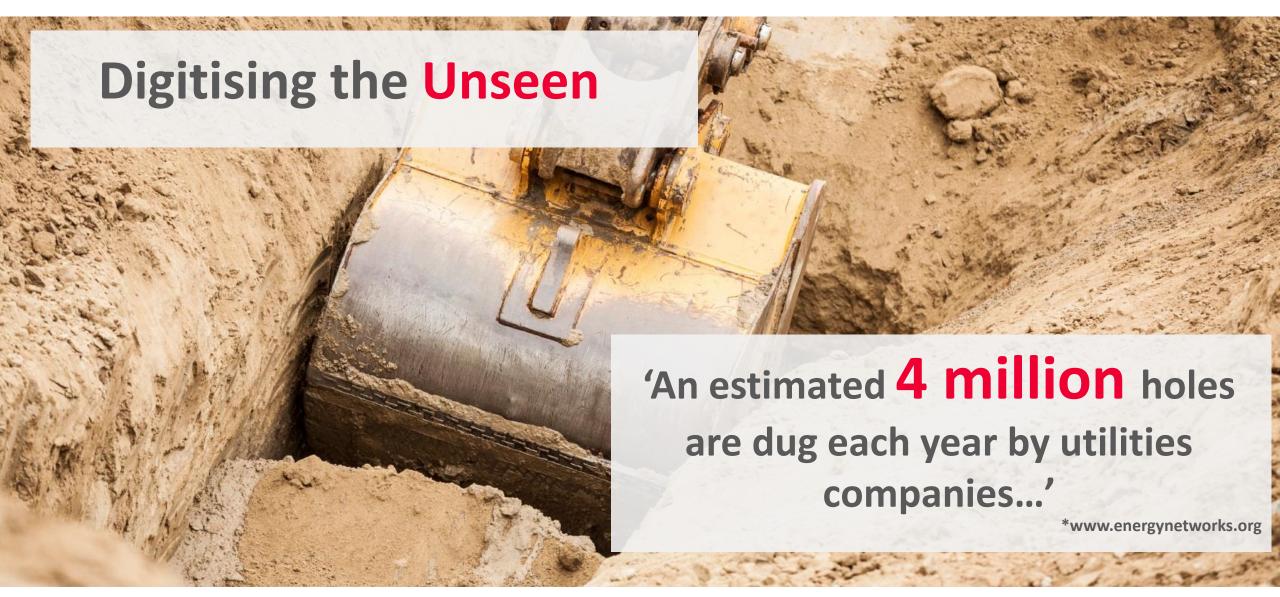






Geosystems

































Collecting accurate data quickly...







Mobile Reality Capture

Pegasus:Backpack



External Synch Port

Ports for additional Sensors

Internal Industrial PC Multicore, Low Voltage, 1TB Internal Storage

Remote Tablet Control Device

Wireless, Touch Screen





Triple Band, All Constellation

Dual Velodyne VLP-16 Scanner 600,000 pts/sec, Dual 360° x 30° Capturing

Light Sensor
Automatic Brightness Adjustment

5 x 4MP Camera 5.5 x 5.5 microns, 360° x 200° Panoramic Image

IMU 125HZ High-End IMU

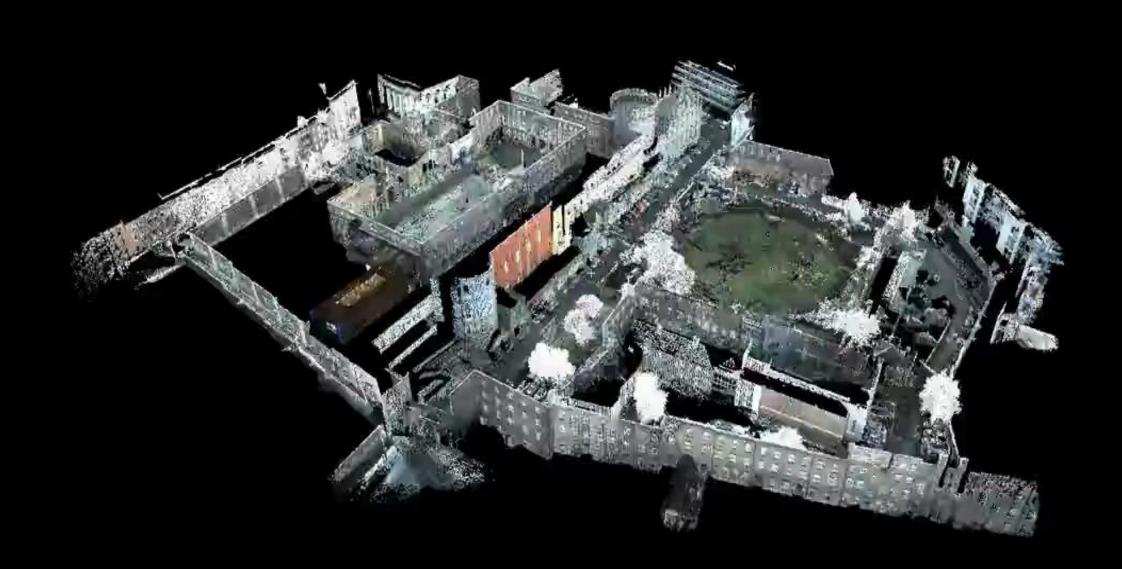
Battery operated

Hot Swap Batteries, 8h Operational Time

Leica Pegasus:Backpack Wearable reality capture











Countless possibilities

Infrastructure



Building Construction



Asset Collection



Energy



Disaster Recovery



Virtual Industrial Training



Accident Simulation



Urban Planning

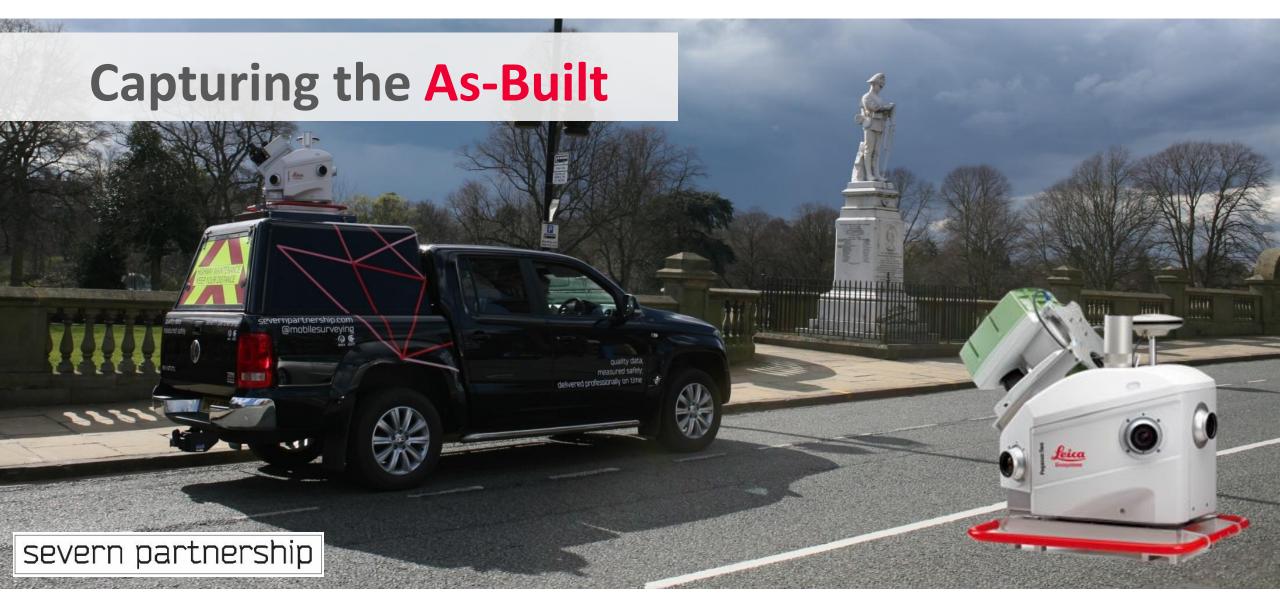


Forestry/Environmental



Safety & Security











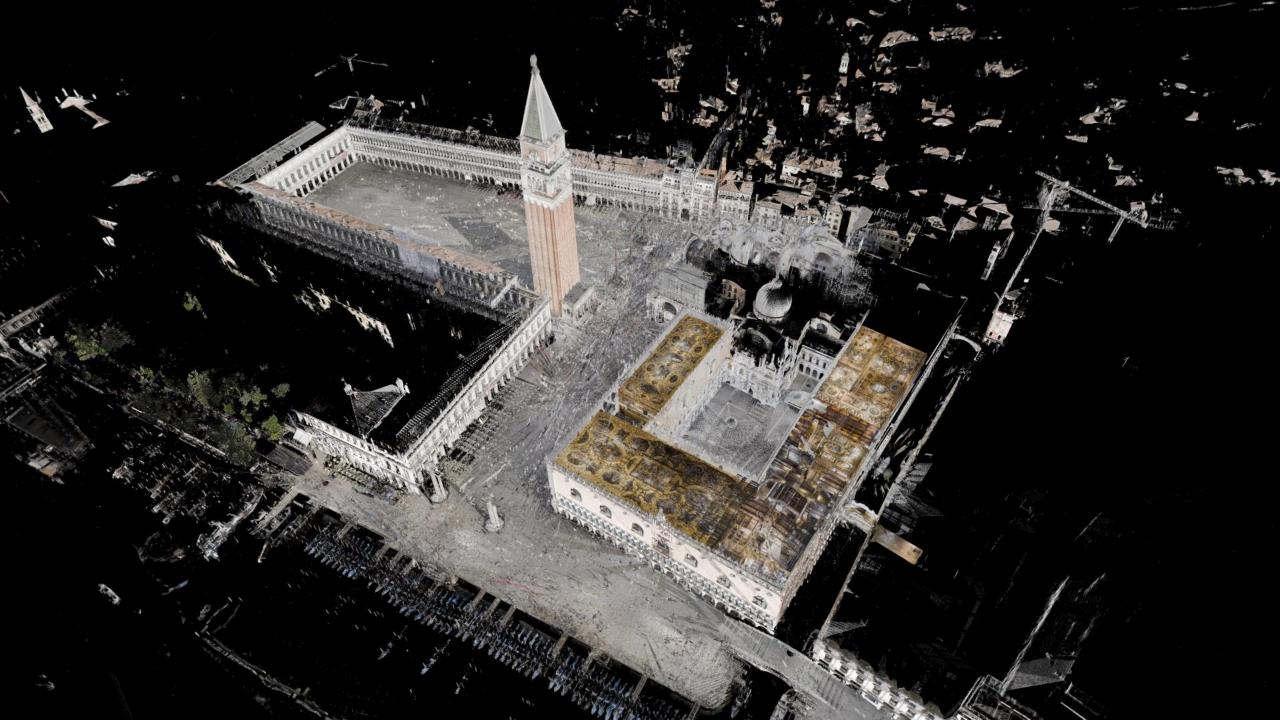












Capture Reality

Extract Features

Build Database

Maintain Assets

























Excited to Announce...

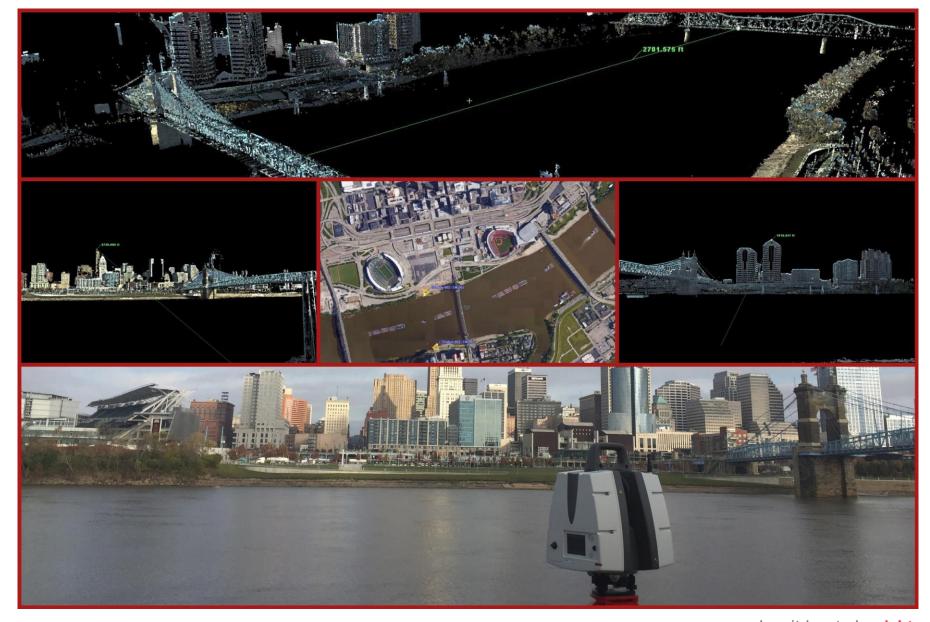
Leica ScanStation P50 – Long Range 3D Terrestrial Laser Scanner

Maximise productivity by scanning inaccessible places at a safe position on site, reducing time in the field with less setups.



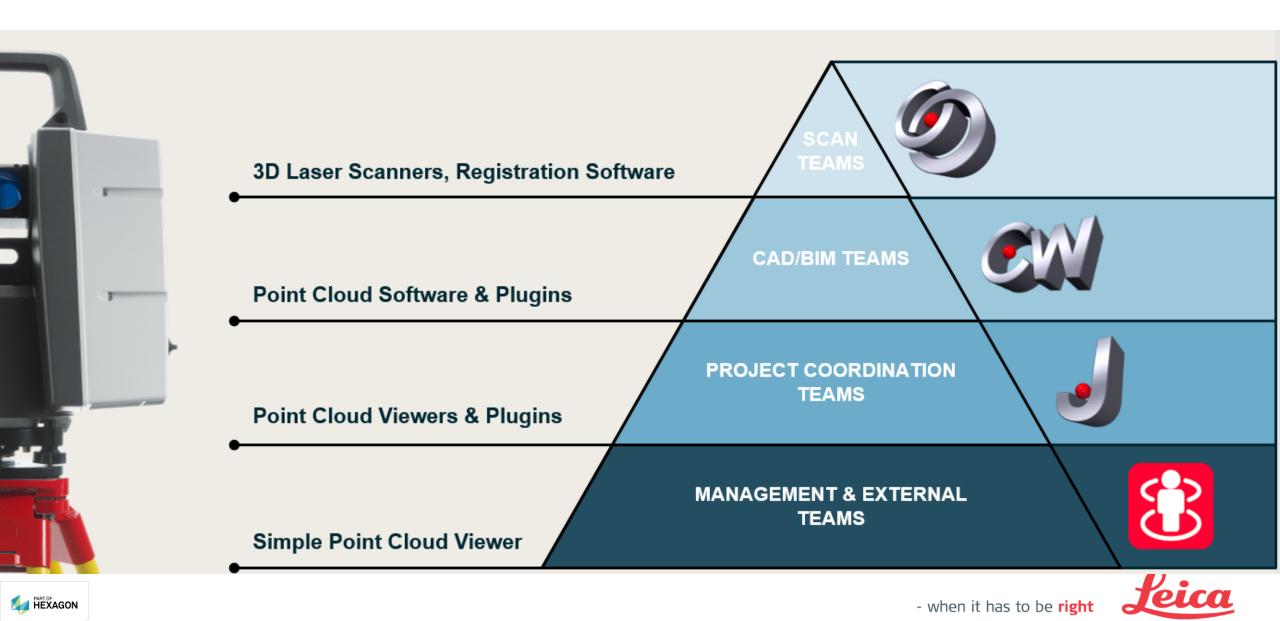












Geosystems











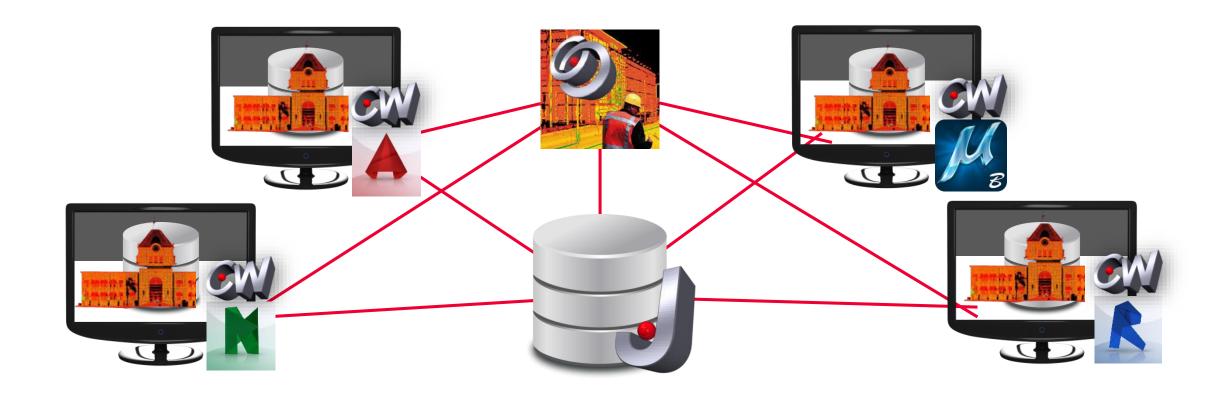








Performance: Manage: Archive: Share









INSTANT

Live image and scan data streaming < 3 min for complete reality capture 1KG 100 mm x 165 mm



SIMPLE

One button 360° activity indicator





SPHERICAL

3-camera system full dome view 360° by 300° HDR LED flash



THERMAL

Longwave infrared panorama image Broad scene temperature range High thermal sensitivity

MILLIMETER PRECISE

360'000 3D points per second Full dome 3D 360° by 300° 60 m range Invisible infrared laser Laser class 1 eyesafe





INDEPENDENT

No cables
Storage for 70+ reality captures
Battery for 50+ reality captures
Indoor and outdoor use



INDEPENDENT

No cables, MIMO wireless
Storage for 70+ reality captures
Battery for 50+ reality captures
Indoor and outdoor use

AUTOMATIC

Tilt Positioning Altitude





CLICK

Fast, secure tripod mounting upright and upside down use

BLK360 SWISS MADE





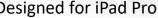


Review cloud projects Store for offline uses **Take measurements Make comments**

Collaborate



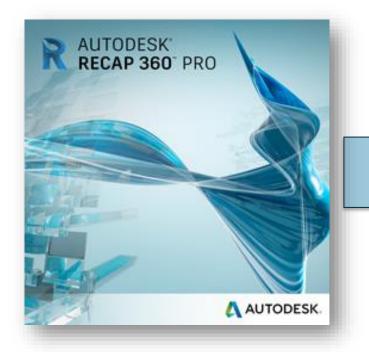




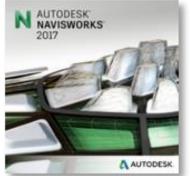
Geosystems

- when it has to be right

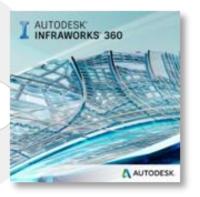




























NEW Product Announcements









Leica Cyclone Cloud & TruView Cloud Services



Leica Cyclone MODEL VR

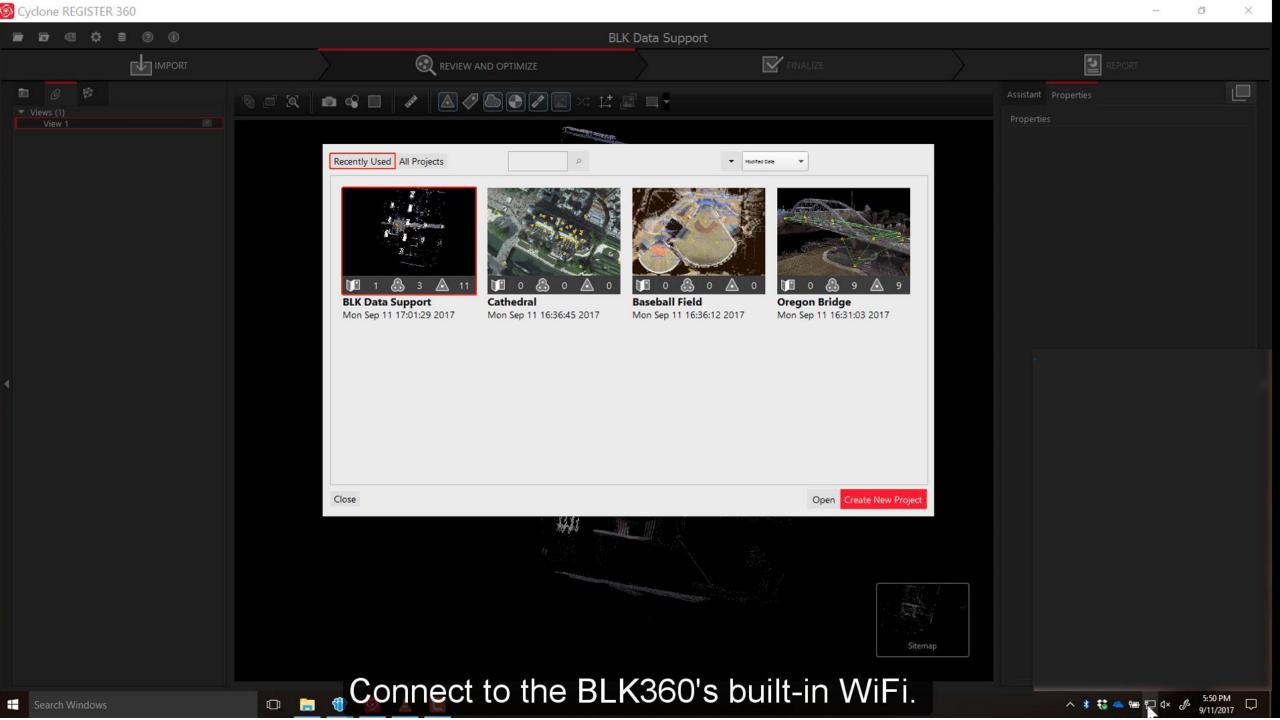


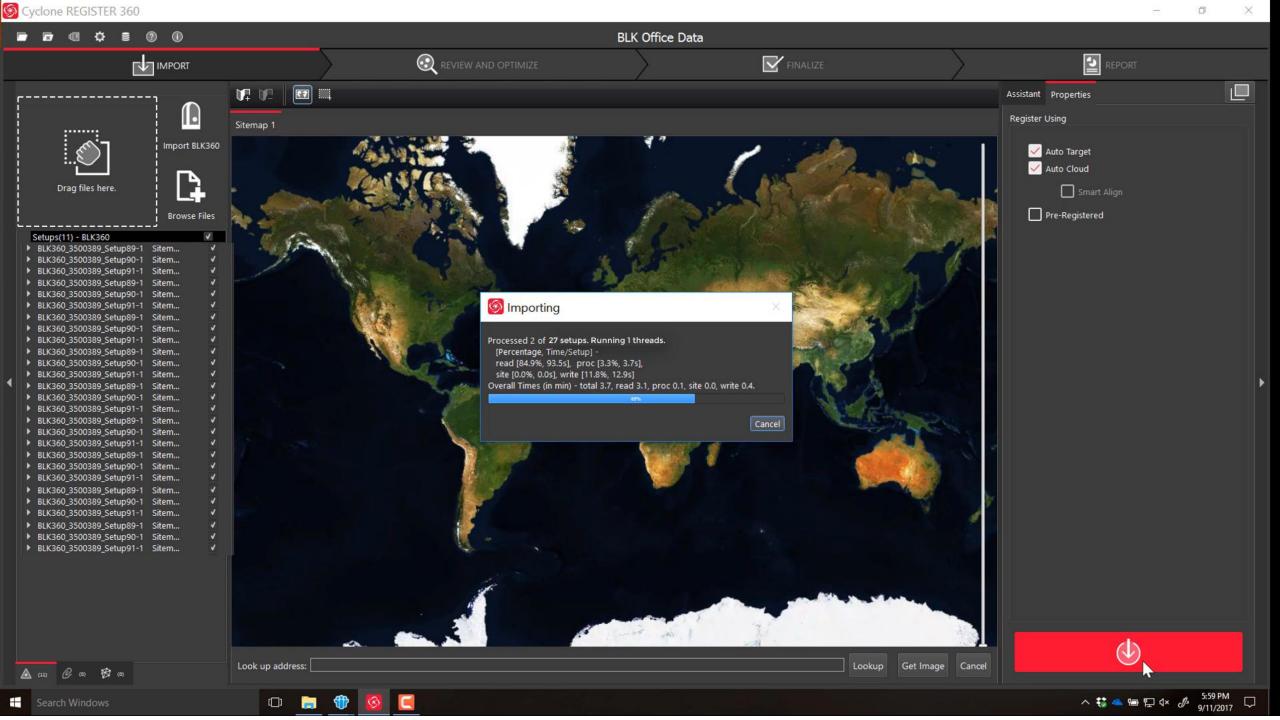


Leica CloudWorx Ultimate and CloudWorx Basic for 3DReshaper - when it has to be right





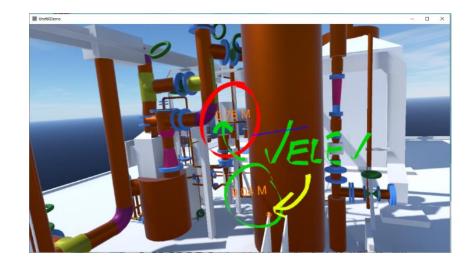




Excited to Announce...

First VR Product compatible with HTC Vive

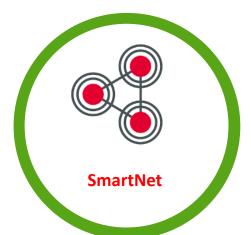
- Publishes Cyclone Models
- Free Viewer
 - Teleportation Navigation
 - Interactive Measuring
 - Markups Simple text, shapes, arrows, etc.
 - Pick points to get Elevations & Pipe Diameters
 - Snapshots
 - GeoTags







Geosystems









TRUSTED SERVICES

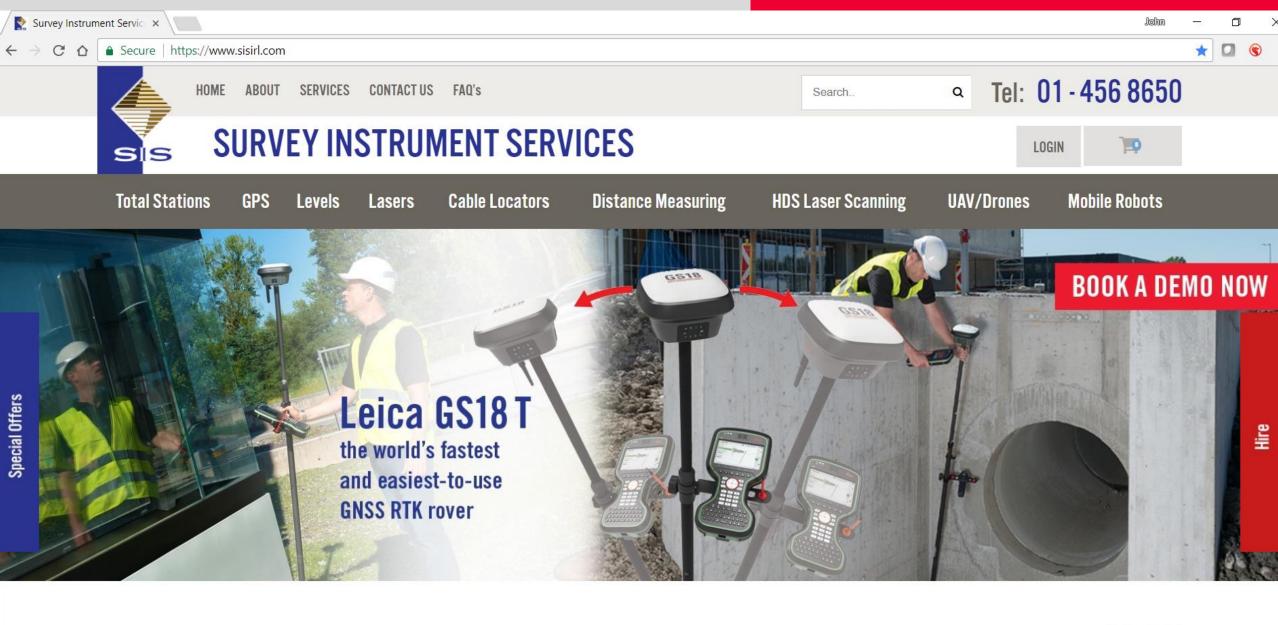








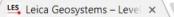
























SURVEYING EQUIPMENT * SURVEYING ACCESSORIES * DISTANCE MEASURING * DETECTION & SAFETY MONITORING *

MACHINE CONTROL *

HIRE

WORKSHOP

ABOUT US

CONTACT US ♥ f ► 1









LEICA ICON

- Intelligent work flow and applications
- **BIM to Field**
- Straightforward software design















john.Kerrigan@leica-geosystems.com

Thank You

Questions?









Thank you

Presenters name