"Geospatial Information for a Smarter Life and Environmental Resilience"
“Geospatial Information for a Smarter Life and Environmental Resilience”
TruRTC Technology
Inside RTC360
3D laser scanning

**Fast:** up to 2 Mio points per second EDM.

**High dynamic:** more measured points on critical surfaces.
HDR spherical images

**Fast:** less than 1 minute to collect HDR full dome, independent from light conditions.

**High dynamic:** from bright sunlight to darkness, without user settings.

**Colour fidelity:** the colours are represented as they are.
Visual Inertial System

VIS delivers the **delta pose** between two consecutive setups, in **real time**

VIS is based on 5 **cameras** and one **IMU**

No user interaction is needed, **auto start&stop**

VIS is **robust** to most of the handling and environmental conditions
“original” 3D points derived from pointcloud

“new” 3D points created by forward intersection from multiple scanner positions
- “original” 3D points derived from pointcloud
- “new” 3D points created by forward intersection from multiple scanner positions
FIG WORKING WEEK 2019
22–26 April, Hanoi, Vietnam

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Cyclone FIELD 360
View: Display point cloud data in full HDR colour, rainbow intensity or grey scale

Check: Verify pre-registered point clouds for quality and completeness control

Add: Store tags and pre-registration information back to the RTC 360
Cyclone FIELD 360. Check.

On-site control for improved overall productivity:

• Quality
• Completeness
• Overlap and pre-registration results
Cyclone FIELD 360. Add.

Tag types: Photo, video, audio, text, document.

Attach to: Job, Setup, 3D coordinates.

Measurements: Point-to-point distance

Automatic synchronisation to RTC 360
Cyclone Register 360
Cyclone REGISTER 360

- DRAG
- DROP
- DONE
Cyclone REGISTER 360 – Import & Register
RTC360 Workflow

- Leica TruView
- CloudWorx for Smartplant 3D
- Leica IMS Map360
- CloudWorx for AutoCAD
- 3D Reshaper
- Cyclone Model & Survey