



Leica Solutions for MIC











Field Work Result Demonstration

Date: 2020-02-11

Location: MIC at Zero Carbon Park

Equipment: P40, RTC360, BLK3D











Application of P40

Area: MIC outside

Field Work Time: 40mins, 4 Setups

Purpose:

- Scanning and Imaging for the Outside of MIC
- Take the true level for geo-referencing the point cloud data
- Ensure the scanned data quality and accuracy.



Application of RTC360

Area: 1 Living Room and 3 Bed Rooms Field Work Time: 10 Setups, 30 mins Purpose:

- Scanning and Imaging of the Flat
- For As-built Checking

Data Processing: 2.5hrs. (Including Data Import, Registration, Noise Cleaning, Comparison with 3D Model.)



Data Presentation of Laser Scanner

Data Types:

- 1. Truview: For anyone who wants to view, measure or markup rich, laser scan point clouds.
- 2. Jetstream: Simplified point cloud access and ultra-high-speed rendering
- 3. LAS format for Hologram Application
- 4. RCP format for Autodesk Application
- 5. 3D PDF for Viewing As-Built Checking Result.





Jet Stream Viewer





TruView Viewer

leftic TruView Enterprise





Real Time Dimension Checking 1. BLK3D





Real Time Dimension Checking 2. By Ruler





3D PDF – As-Built Check for 1 Living with 3 Bed Rooms on 1st Floor





Application of BLK3D

Area: Any Features require dimension

Field Work Time: One button Shot

Purpose:

- Imaging with dimension measurement
- Online data share with different users

Please click the following link for BLK3D online data.

Window:

Pipe:

Exit:



Benefits of Adoptions of Laser Scanner in MIC

- Create better as-builts in less time and have an exact 3D as-built for MIC work
- Better Quality Control, Information Management During a Project
- Decreased Field Time, Increased Visibility and Understanding
- Accurate Spatial Reconstruction, Higher Precision Data
- Lower Overall Risk
- Reduced Rework, Fewer Physical Site Visits, Decreased Project Costs
- Enhance coordination of systems and utilities



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