



# Leica BLK3D

## Product information

# Product Presentation

Product Name:  
Leica BLK3D



- **Core Function:**
  - As-built checking, 3D measurement, MEP checking, Floor Plan creation
- **Technology Used:**
  - Electronic distance measurement
  - 3D measurement
- **Construction Process involved:**
  - As-built checking
  - MEP checking
  - Floor Plan drawing
- **Key Improvement in Construction Process:**
  - Productivity
  - Quality
  - Environmental

- when it has to be **right**

# Innovative Features

## Core Technology:

Image capture for 3D measurement

## Comparison with current practice and popular models:

- Technology
  - Leica BLK3D Site Measurement Camera provides real time, in-picture 3D measurement. It allows user to create images that contain precise three-dimensional measurement, which enhance the documentation for architecture, engineering and construction project.
  - BLK3D also can function as a hand-held laser meter for fast and easy distance measurements of length, squares and volumes
  - Sketch & Document function on BLK3D can guide user to draw a simple floor plan
  - BLK3D can be integrated with BIM360, allowing user to share real-time data
- Specification
  - BLK3D achieve 3mm for 2D accuracy and 6mm for 3D accuracy
- Benefits
  - Compare to the traditional method, tape measurement is replaced BLK3D. Using BLK3D to measure the dimension of any object can reduce field time and enhance the accuracy

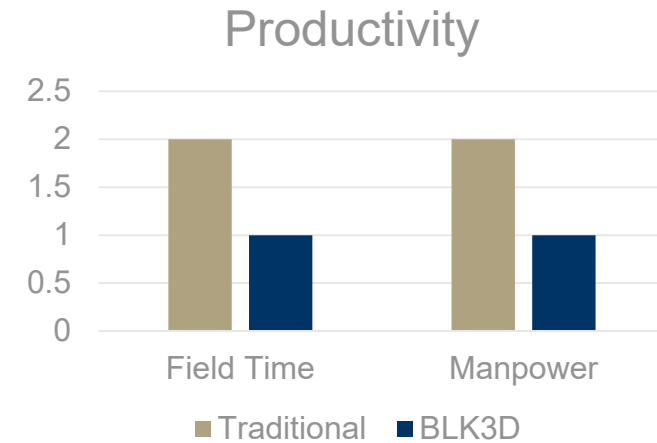
- when it has to be **right**





# Benefits – Productivity

## Improve productivity by:

- Field Time:
  - BLK3D
    - 3D images is simply taken using BLK3D and do measurement instantly. Photos can even upload to BIM360 and share with others
  - Traditional method
    - Use tape to find out the dimension and record it manually on paper
  - Save 1 hour/day
- No. of worker
  - BLK3D
    - One man operation and data can easily share to others
  - Traditional method
    - Every parties need to send at least 2 worker to do site measurement
  - Reduce at least 1 manpower



Traditional Method	BLK3D
	 <small>BLK3D 15:31:06 23.03.2021</small>
Use tape to do measurement	Instant measurement on 3D images

# Benefits – Quality

Improve quality by:

- Accuracy:
  - BLK3D
    - BLK3D achieve 3mm for 2D accuracy and 6mm for 3D accuracy
  - Traditional method
    - Use tape and photo for measurement and recording with relatively low accuracy.
    - Reduce workmanship failure rate from 15 % to 200%

Traditional method	BLK3D
	
Relatively low accuracy with tape measurement	6mm 3D accuracy can be achieved using BLK3D


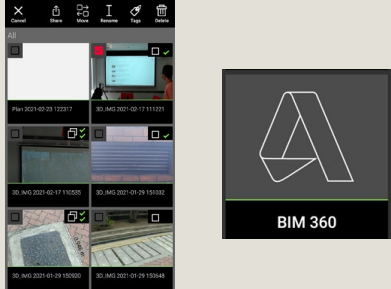
# Benefits – Environmental

## Improve Environmental Performance by:

- Reduce paper usage
  - BLK3D
    - Measurement data is stored in BLK3D. Hence, with the BIM360 integration or publisher license, 3D images can share to others and able to do measurement anytime and anywhere
  - Traditional method
    - Measurement are recorded in paper
  - Can reduce 100% paper usage

## Awards – International:

- CES 2019 Innovation Awards Best of Innovation Honouree
- BAKA Award for Product Innovation 2019

Traditional method	BLK3D
	
Measurements are recorded in paper	Records are stored in BLK3D. User can even share the data to others with BIM integration or publisher license

- when it has to be **right**

