



BLK3D Mobile and Desktop

What's new in v1.2

BLK3D Mobile and Desktop v 1.2

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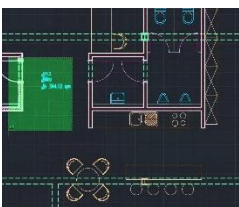


Photo documentation using plans

- when it has to be right

Leica
Geosystems

Photo documentation by adding 3D images to a background plan!



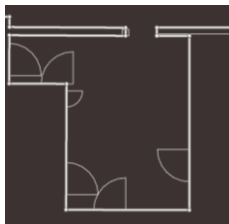
CAD plan

PDF



NEW

PDF plan

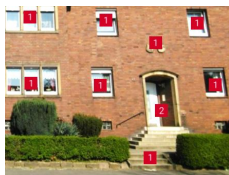


Sketched plan



NEW

Picture of a plan



NEW

Picture of a site



Document in Mobile



Document in Desktop

- when it has to be **right**

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What's new in v1.2

Photo documentation using plans

Link 3D Images to imported Plans for photo documentation

1. Import a Plan into BLK3D Mobile

- PDF Plan (e.g. exported from CAD)
- Use a photo background
 - Take a picture with the BLK3D camera
 - Import a picture from the gallery

2. Add Places and 3D Images to any location on the plan/image

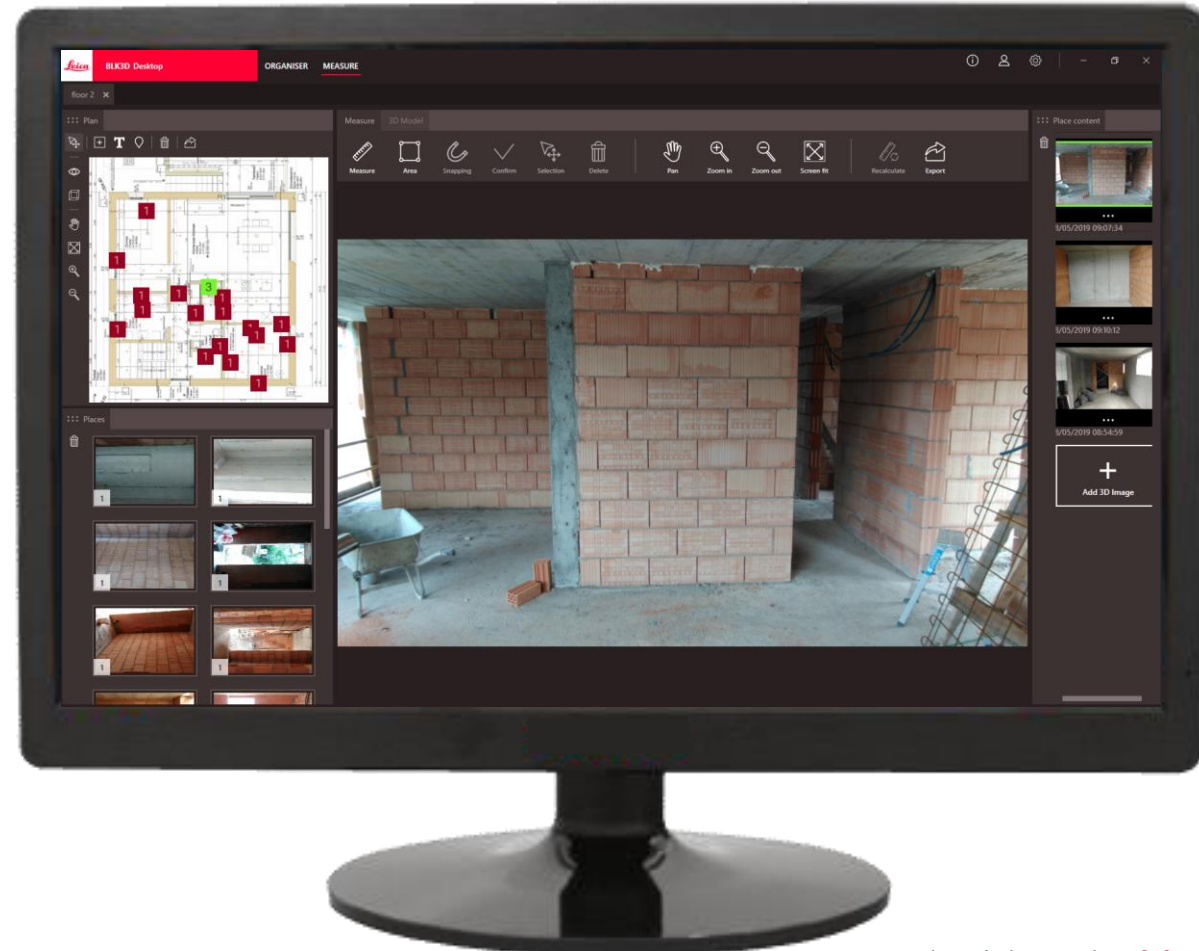
3. Use Plans in BLK3D Desktop to open relevant 3D Images



- when it has to be **right**

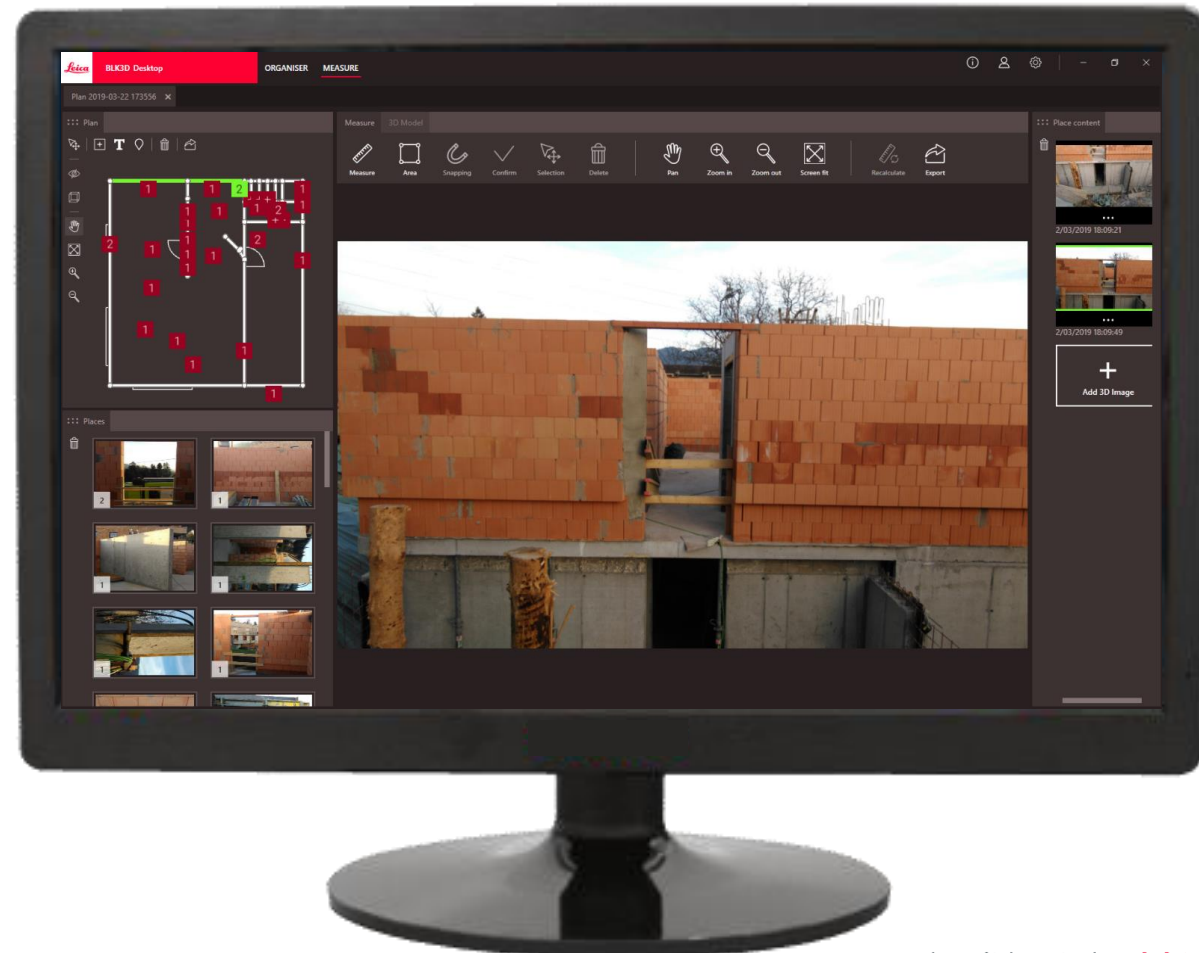
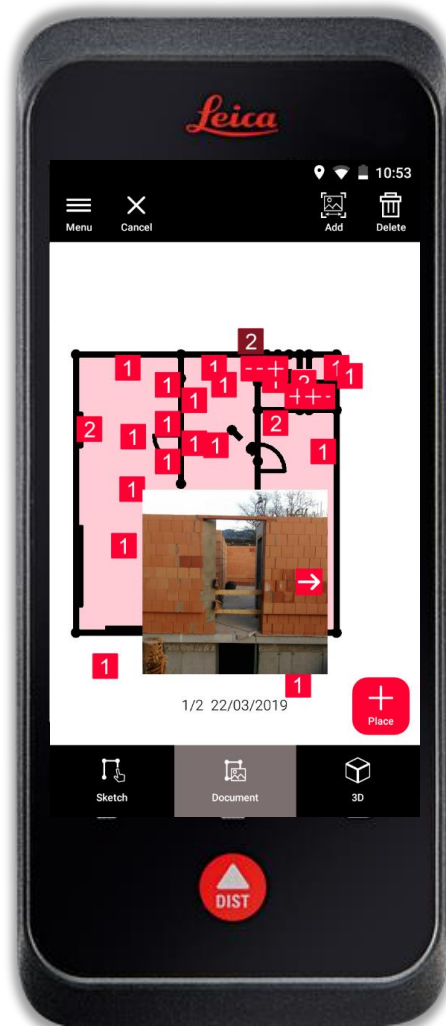
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Add 3D images to an imported PDF plan...



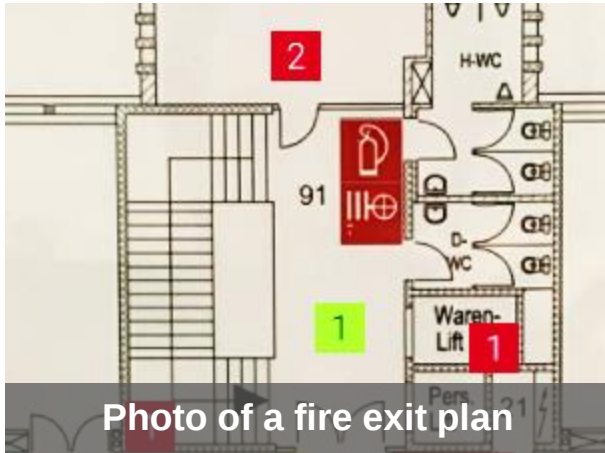
- when it has to be **right**

...or sketch and measure a plan yourself



- when it has to be right

Take a photo of your plan or site



What's new in v1.2

Desktop: improved plan window

- 2 new toolbars

N
a
v
i
g
a
t
i
o
n

Hide/show measurements

2D/3D view

Pan

Screen fit

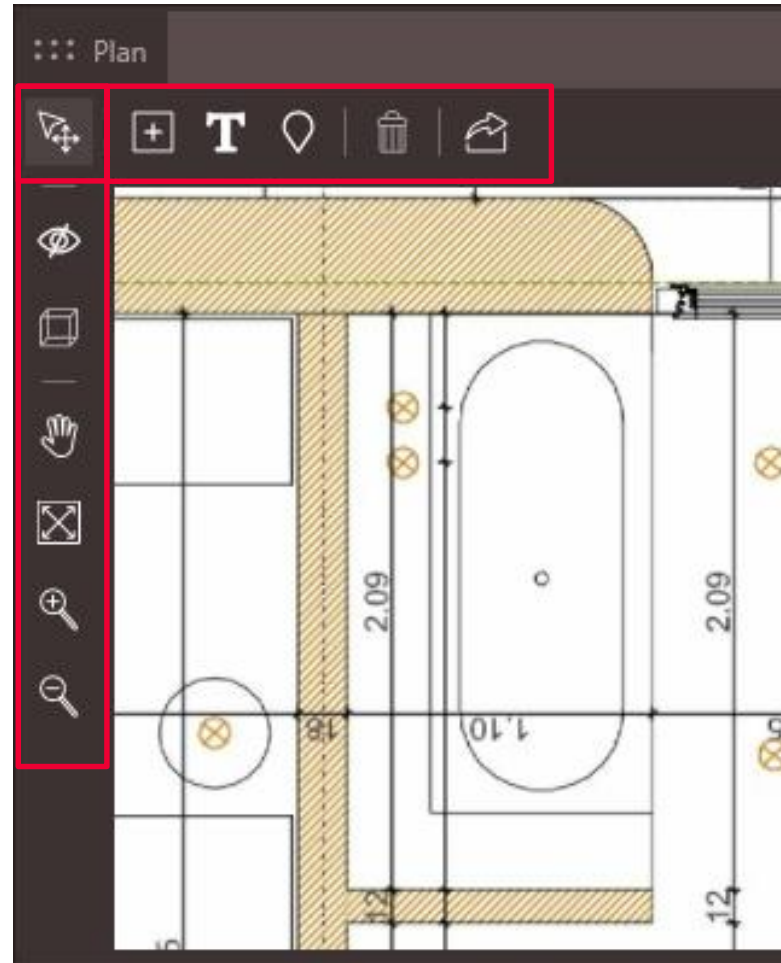
Zoom in

Zoom out

Select

Add Place
Add text
Add marker
Delete
Export

Editing and
exporting



- when it has to be right

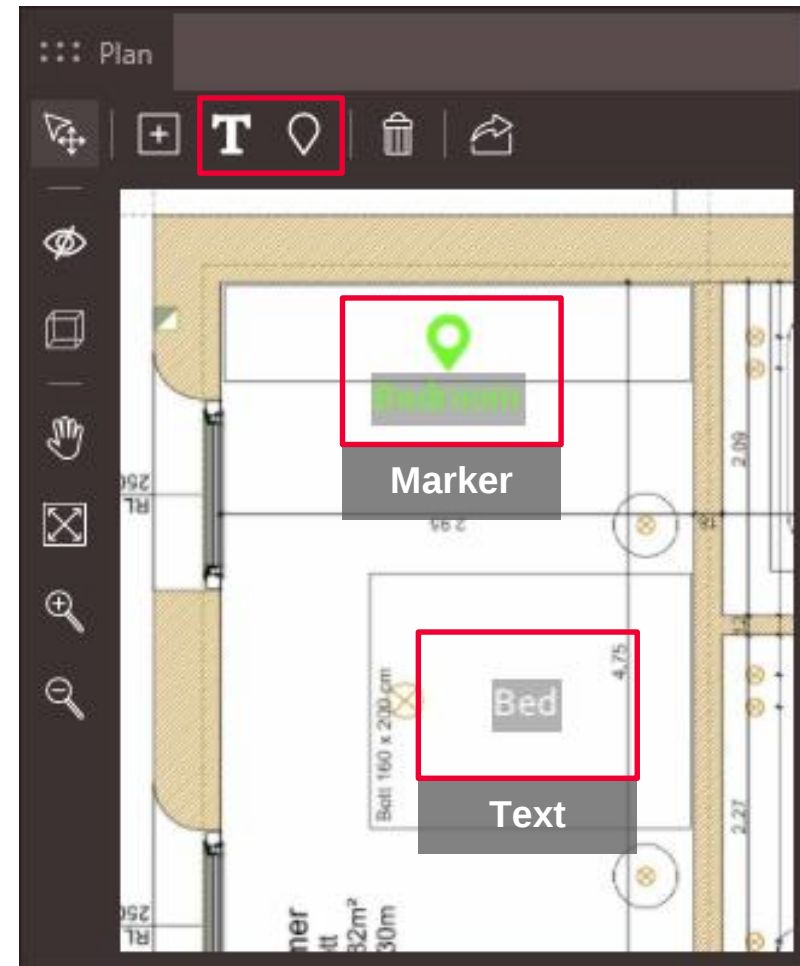
What's new in v1.2

Desktop: Text and Markers on a plan

Enrich the detail of your documentation with Text and Markers

- Just click on the corresponding buttons in the toolbar to add Text or Markers
- You can move or delete them later on

Add text
Add marker



- when it has to be right



3D Image pre-processing

- when it has to be right

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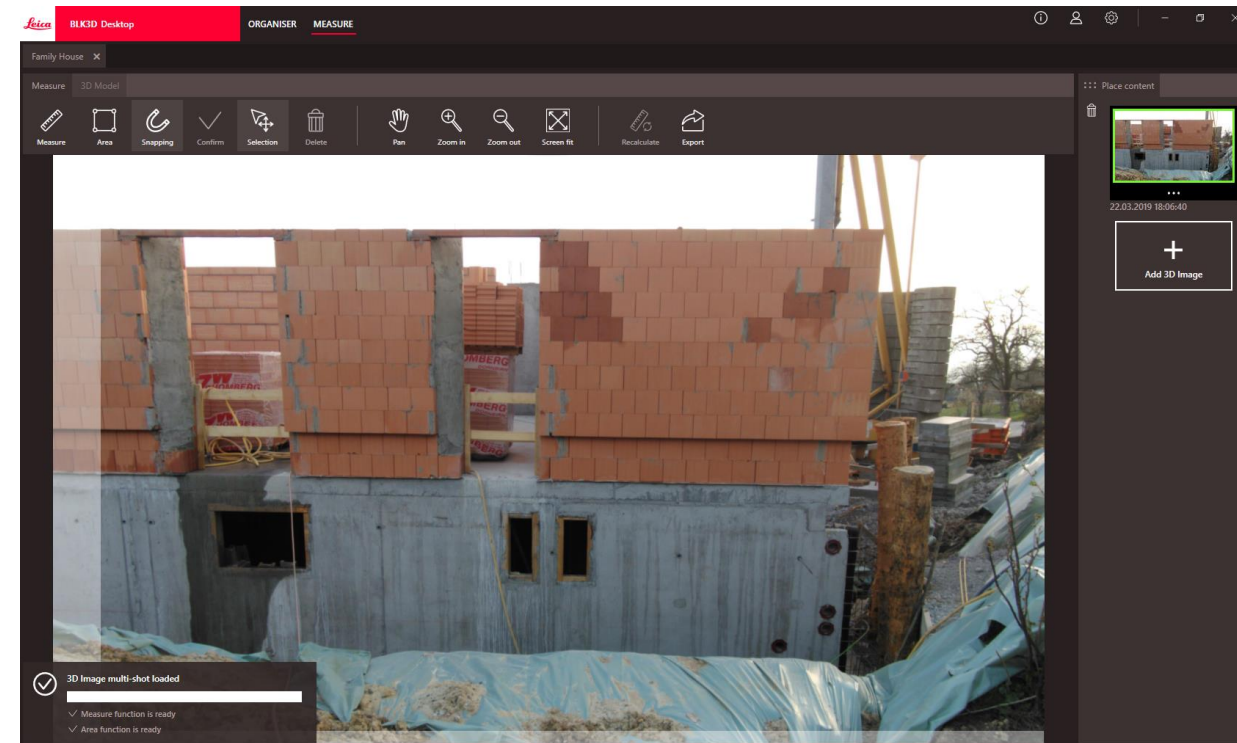
What's new in v1.2

3D Images open fast after initial processing

Improved performance of opening 3D Images

- Opening a processed 3D Image is very fast
- Each 3D Image has to be processed only once
- The processing of a 3D Image gets stored in the cmi file
- Batch processing is available during USB-Import and in Organiser
- Needed storage:

	Unprocessed	Processed
Single-shot	~ 4 MB	~ 5 MB
Multi-shot	~ 8 MB	~ 11 MB



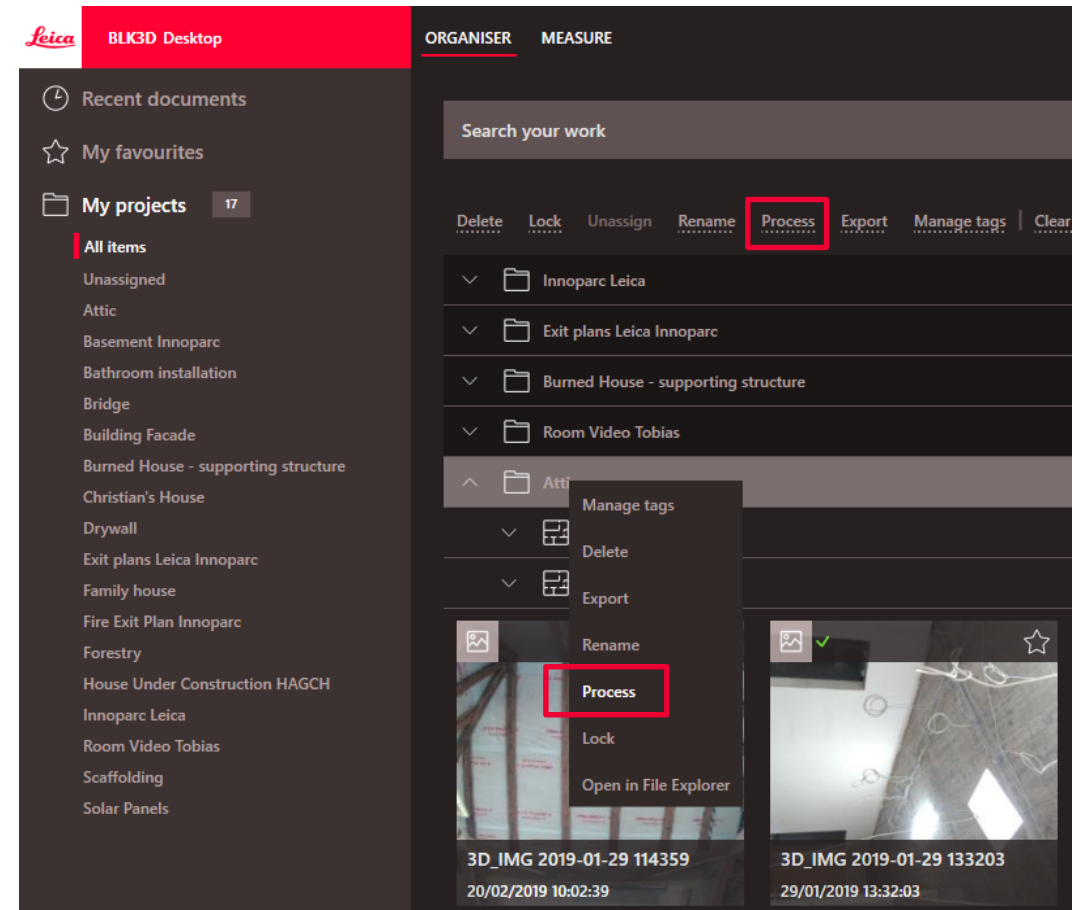
- when it has to be **right**

What's new in v1.2

3D Image batch processing

How to batch-process in BLK3D Desktop

- **Options:**
 - During import via USB transfer
 - In Organiser using the new Process button
- **Benefits:**
 - Process 3D images in the background while work continues
 - Multiple 3D Images, whole projects or plans can be processed simultaneously



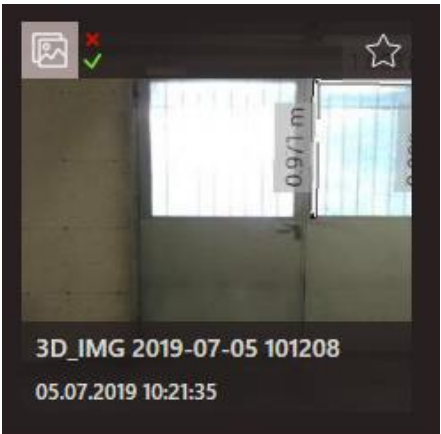
- when it has to be right

What's new in v1.2

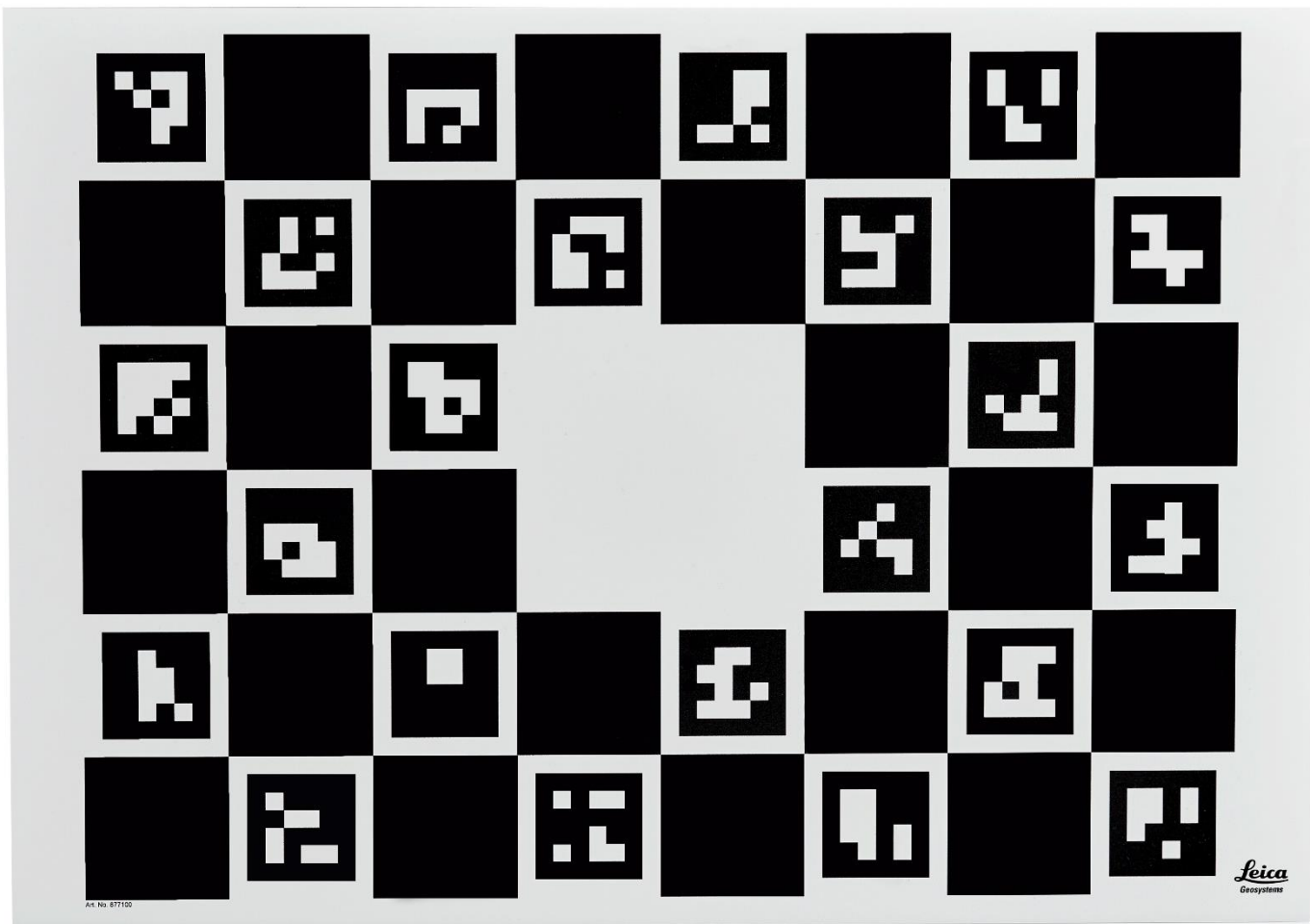
Desktop: Organiser enhancements

The thumbnails now show the 3D Image status

- Icon indicates single-shot vs. multi-shot
- Processing status via green check mark
- Error case: single-shot ok, multi-shot failed:
 - Measurements on single-shot are possible



	Single-shot	Multi-shot
Unprocessed		
Processed		



Check & Adjust of the Stereo Camera

What's new in v1.2

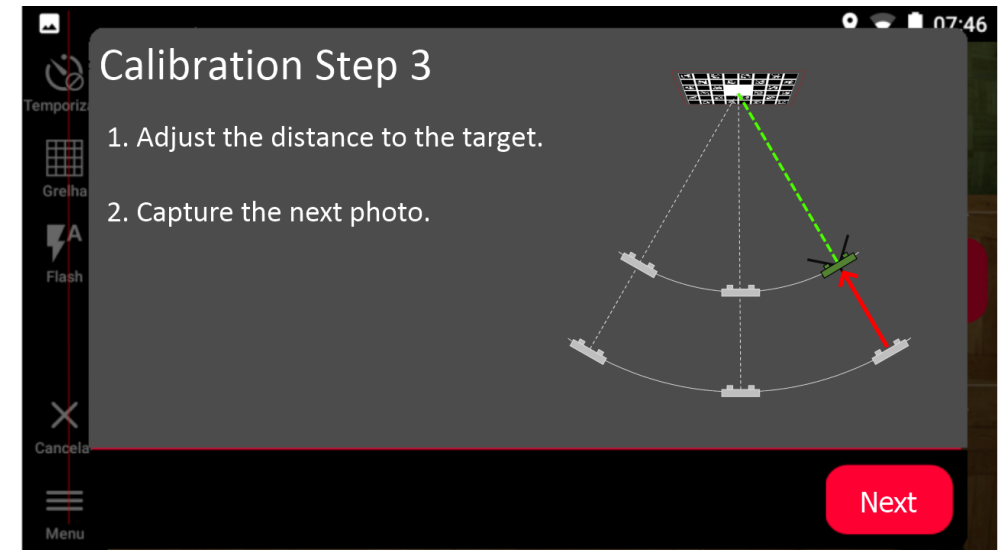
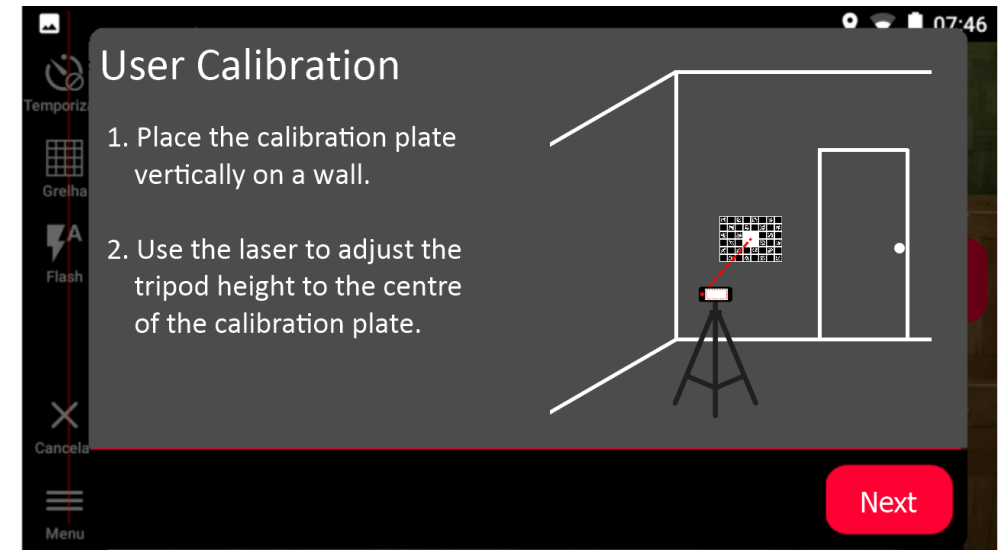
Mobile: Check & Adjust

Check & Adjust your BLK3D after a drop

- Check the accuracy and update the calibration of the BLK3D with the function Check & Adjust
 - Calibrate the BLK3D yourself - it is not needed to send the device to a service centre for calibration.

- **What you need:**

- **Calibration plate**
Art. 877100
- **BLK3D Tripod Adapter**
Art. 869083
- **TRI 120 Tripod**
Art. 848788



- when it has to be **right**

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Other improvements

- when it has to be right

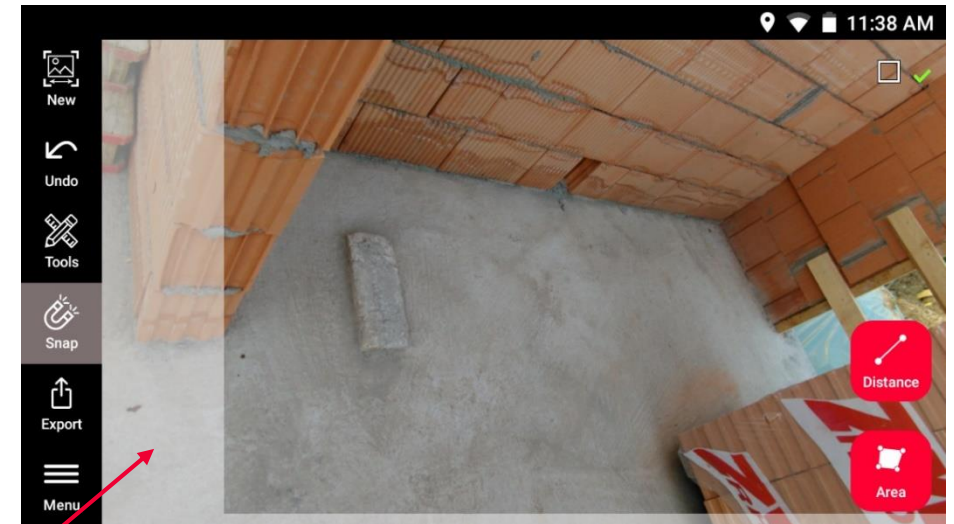
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Geosystems

What's new in v1.2

Measurable area

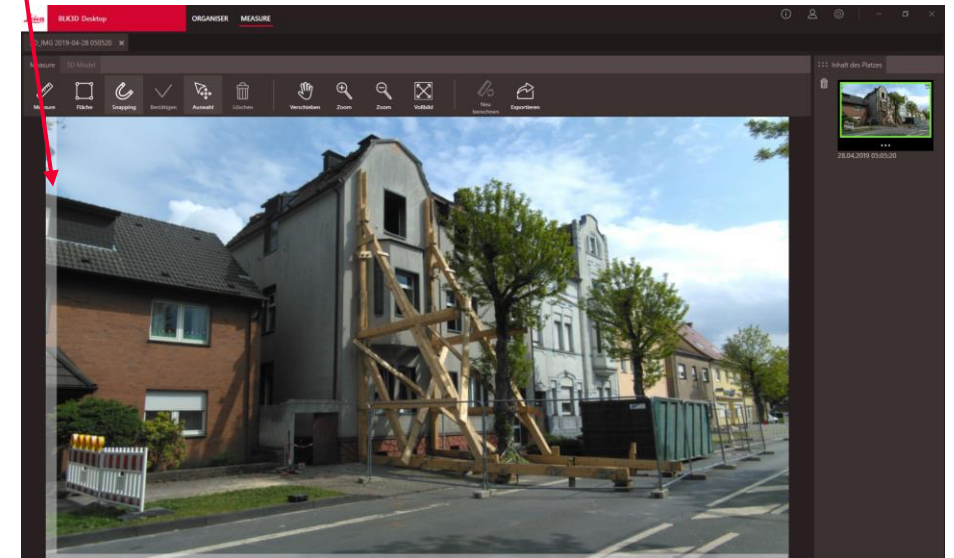
A grey mask indicates areas without image overlap

- Points can only be measured if they are visible in at least two images
- The grey mask shows areas in which measurements are not possible
- **Note:**
The grey area depends on the distance to the object and is an approximation based on the nearest features. Distant points might still be measurable.



Short-range 3D Image on BLK3D Mobile

Mask



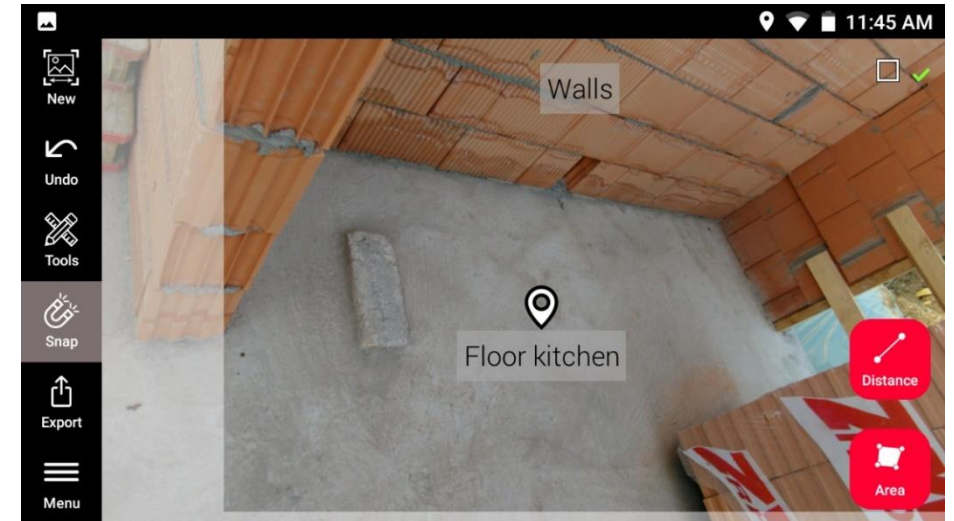
Long-range 3D Image on BLK3D Desktop

- when it has to be **right**

What's new in v1.2

Mobile: Other improvements

1. Text and Markers for Reality Capture
2. High resolution JPG export
3. Sound notification for laser measurements



1) Text and Markers



2) JPG export

- when it has to be **right**

What's new in v1.2

Available languages

BLK3D Mobile

- English, Chinese (simplified), French, German, Italian, Japanese, Polish, Portuguese, Spanish, Swedish

BLK3D Mobile Manual

- English, Chinese (simplified), French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Swedish

BLK3D Desktop

- English, Chinese (simplified), French, German, Italian, Japanese, Spanish, Swedish

BLK3D Desktop Manual

- English, Chinese (simplified), French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Swedish