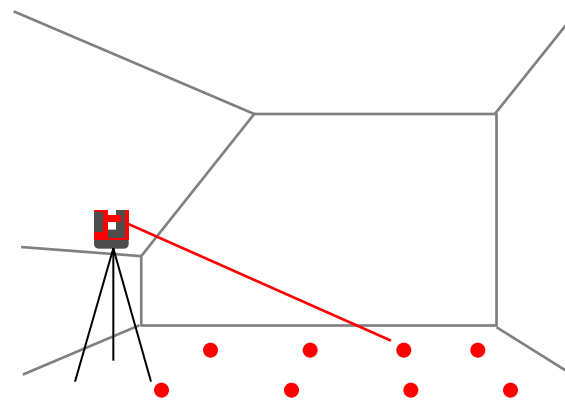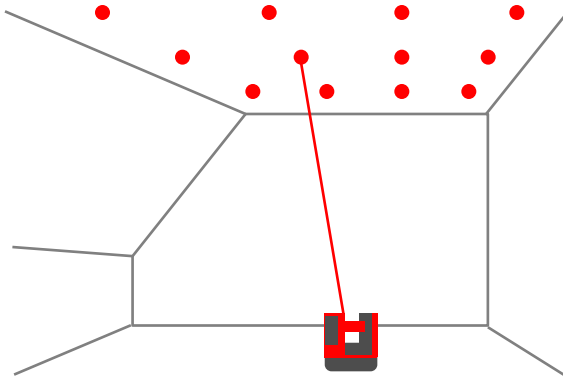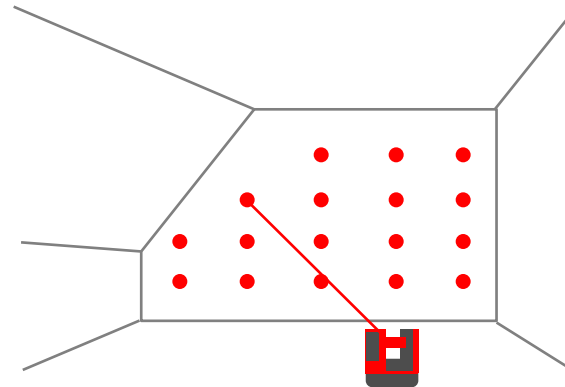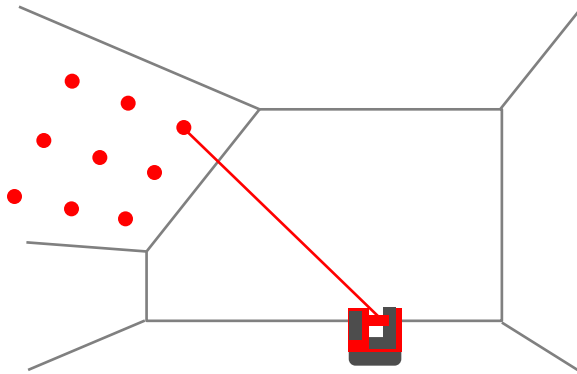# Leica 3D Disto
Projector on curved surfaces

- when it has to be **right**

Leica Geosystems

Projector on curved surfaces

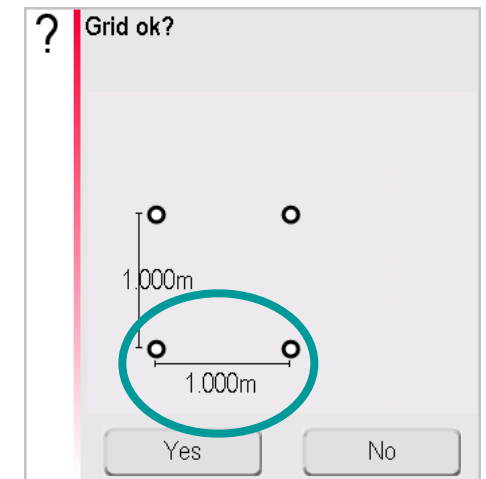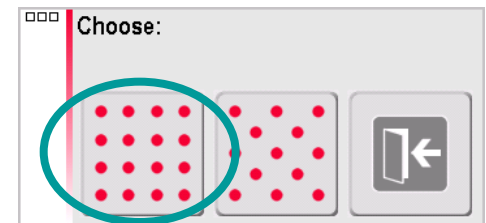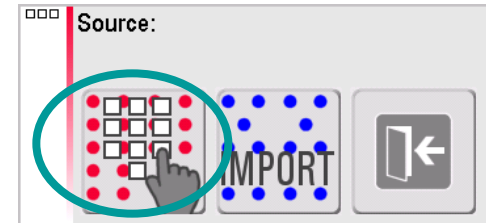**Usually, Projector works on even surfaces.**

Leica Geosystems

Projector on curved surfaces

On curved surfaces point intervals are distorted.

- when it has to be **right**

Projector on curved surfaces

Is there a way to work on curved surfaces without distortion?

Yes – via data preparation on CAD.

Projector on curved surfaces
Workflow

1

Mark 2 points approximately on the same level on the working area

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Geosystems
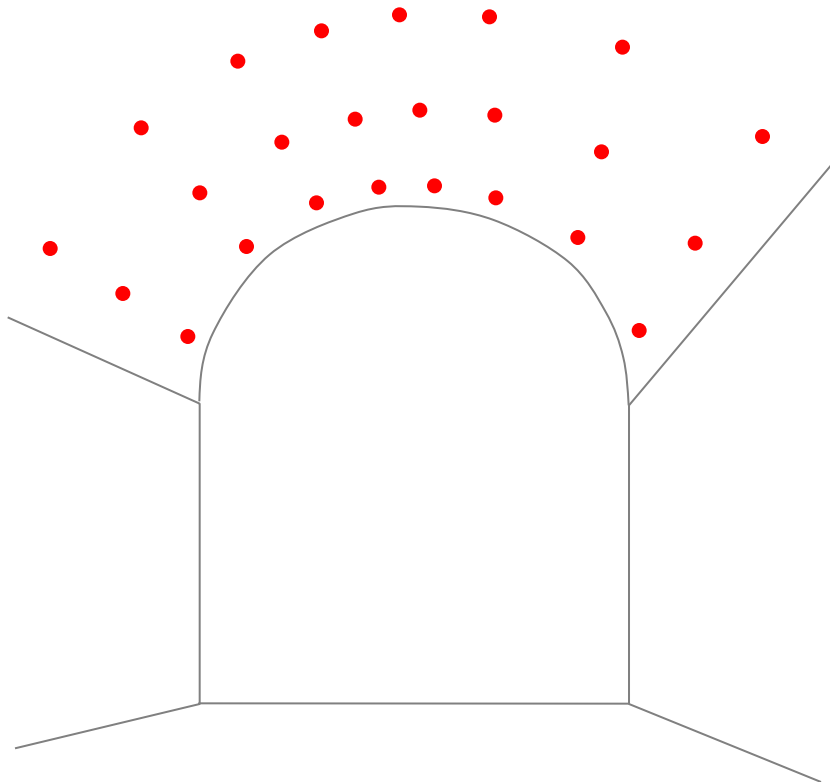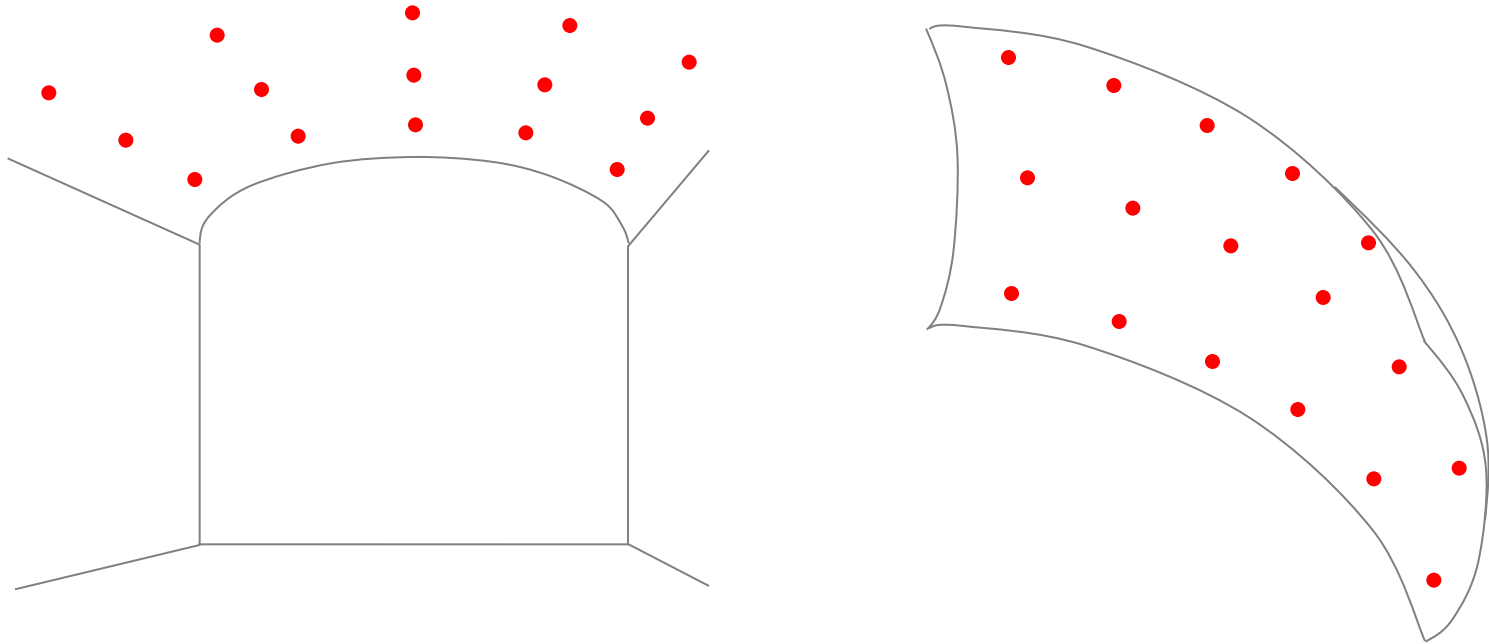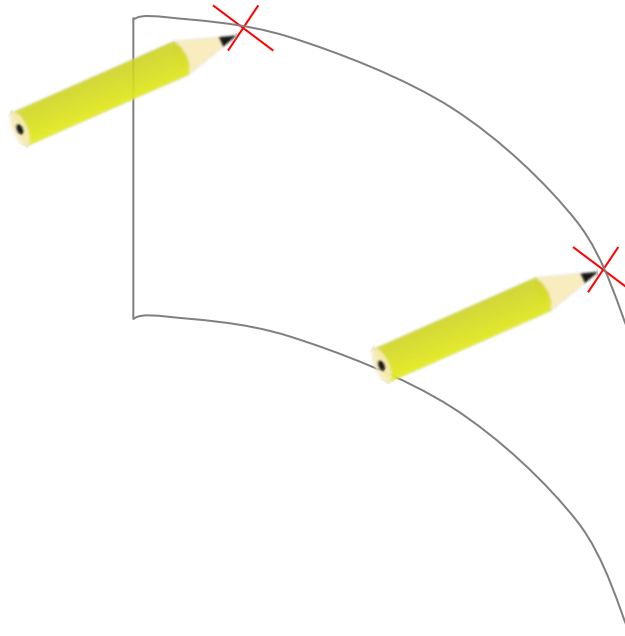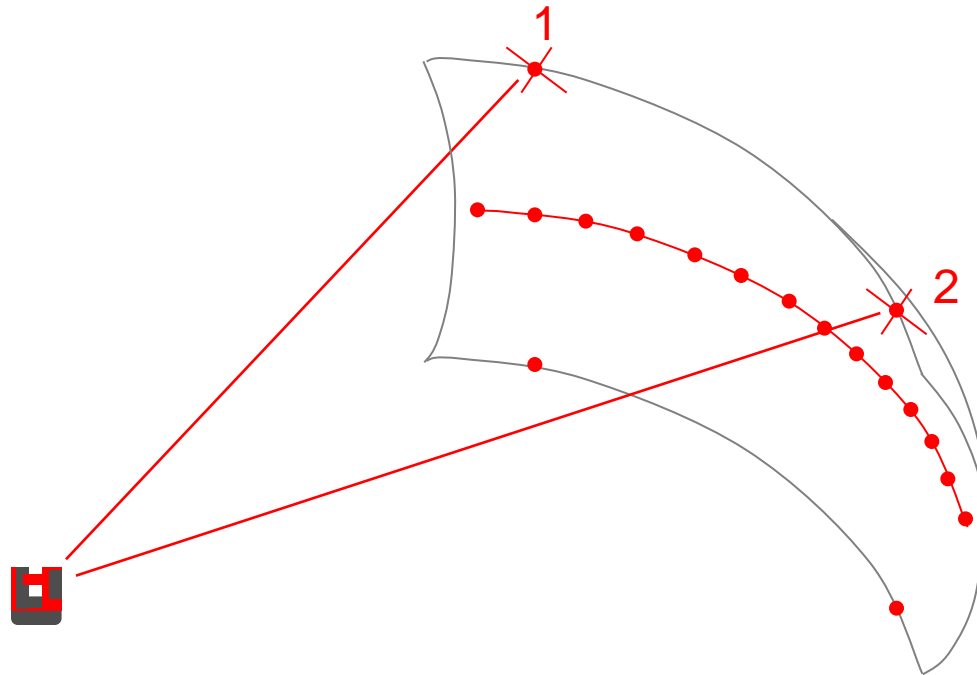
Projector on curved surfaces
Workflow

2 Measure both marks and all other points of interest. Use „MEASURE" or „ROOM SCAN" application.
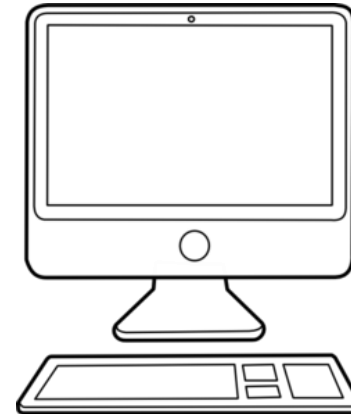
Projector on curved surfaces
Workflow

3   Save and export the data, then import to your CAD system.

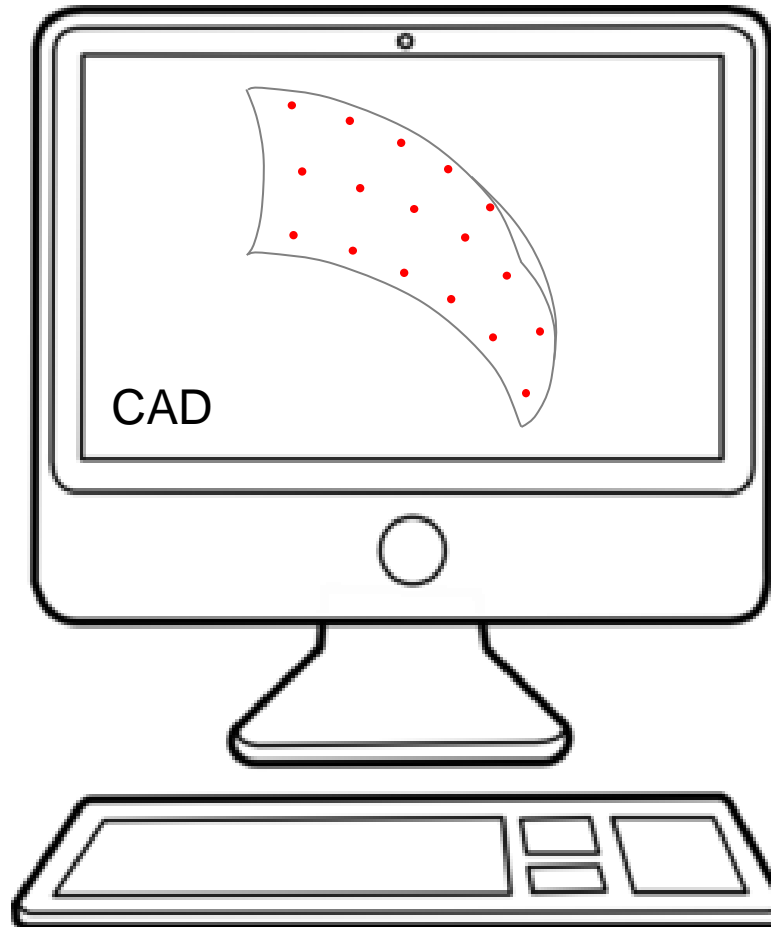# Projector on curved surfaces

Workflow

4   Design the points that you want to be projected.
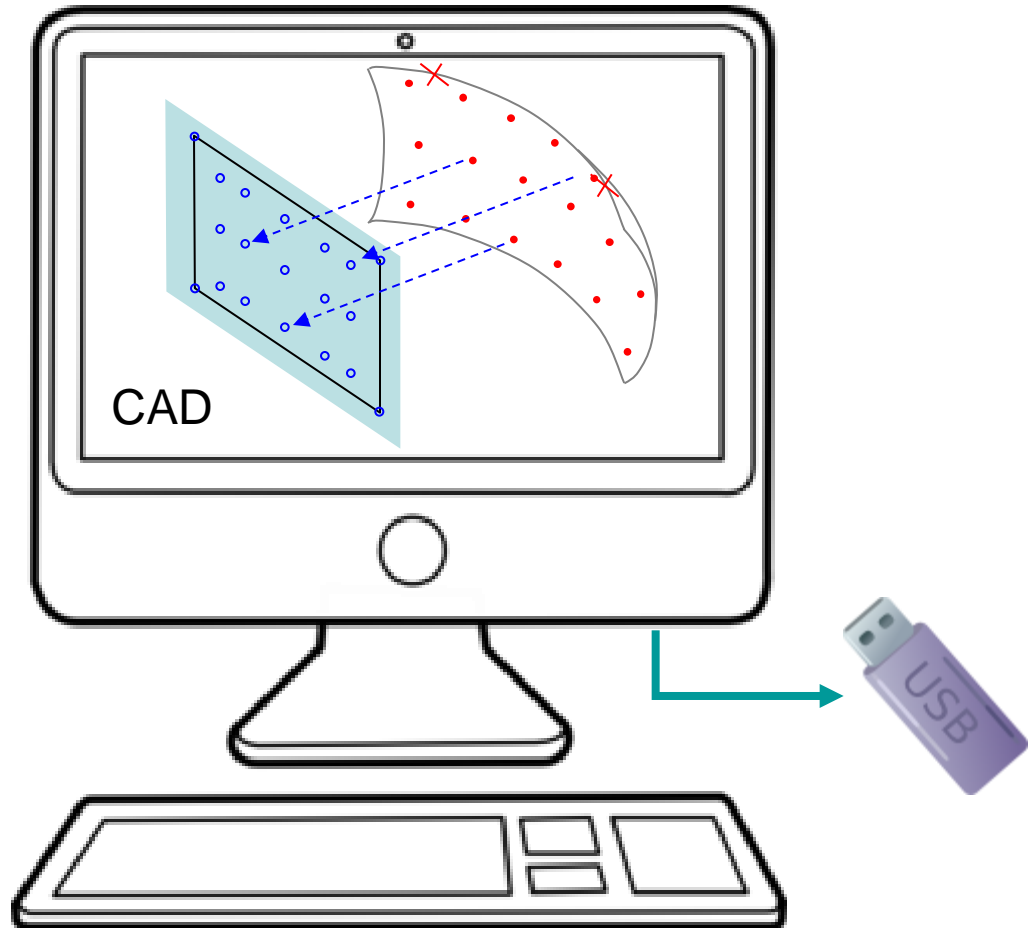

CAD

Projector on curved surfaces
Workflow

5 Transform all points onto the measured plane that goes through both marks

The data is distorted but will be at correct position if projected on the bulge.

Export data to DXF file (drawing) or CSV file (chart).

CAD

USB

- when it has to be **right**
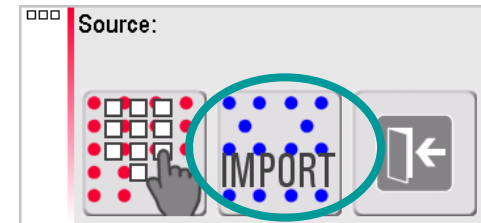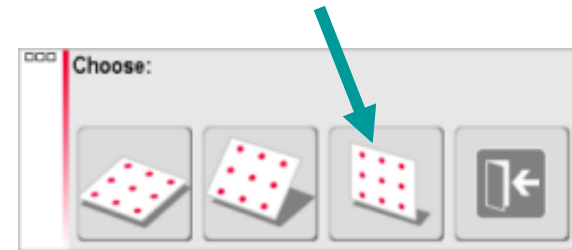
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Projector on curved surfaces
Workflow

6 Copy the file to the Control Unit.
Start „vertical" Projector, measure both marks at the beginning,
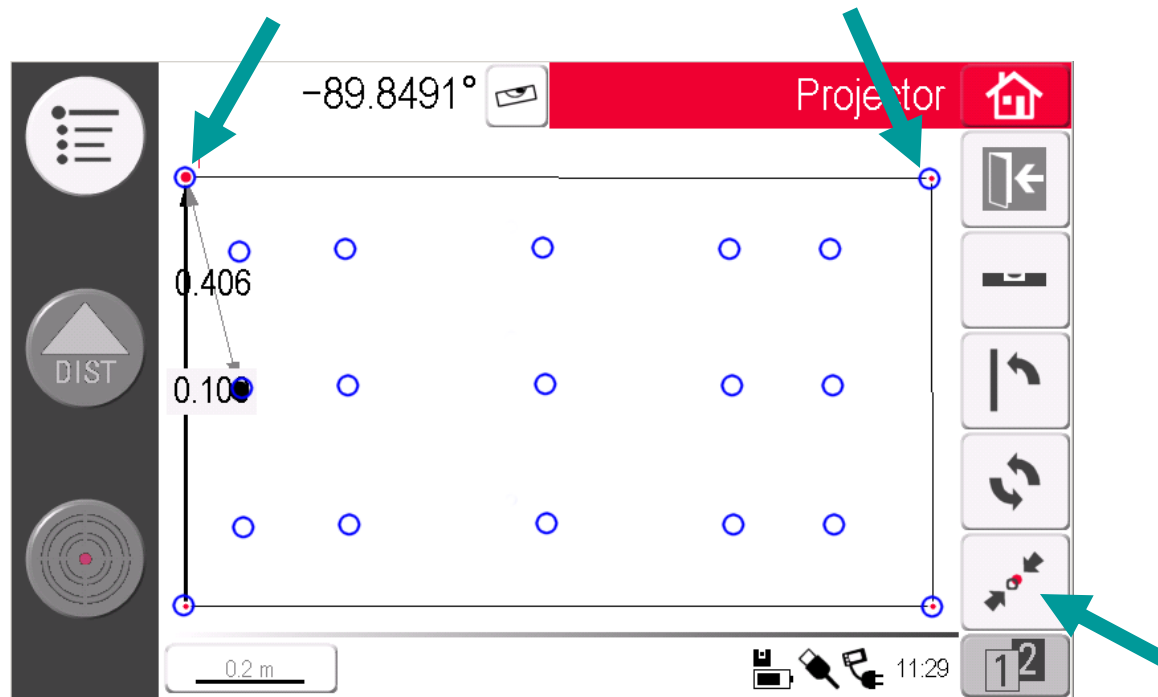import the design file.

Choose:

Source:

IMPORT

- when it has to be **right**

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Projector on curved surfaces
Workflow

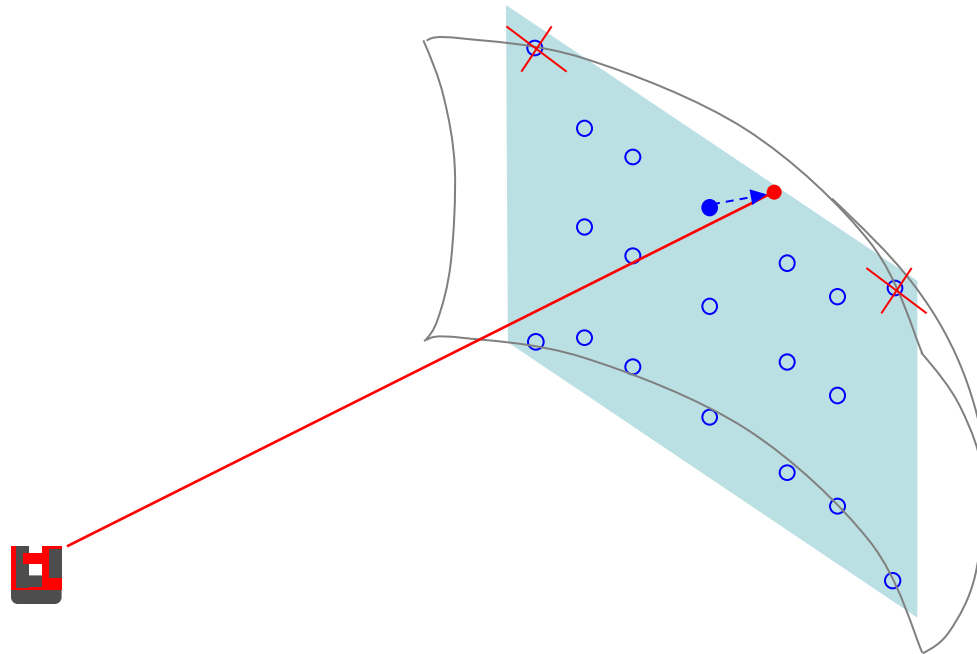**7**   Cover both blue mark points and the measured ones (use key)

- when it has to be **right**

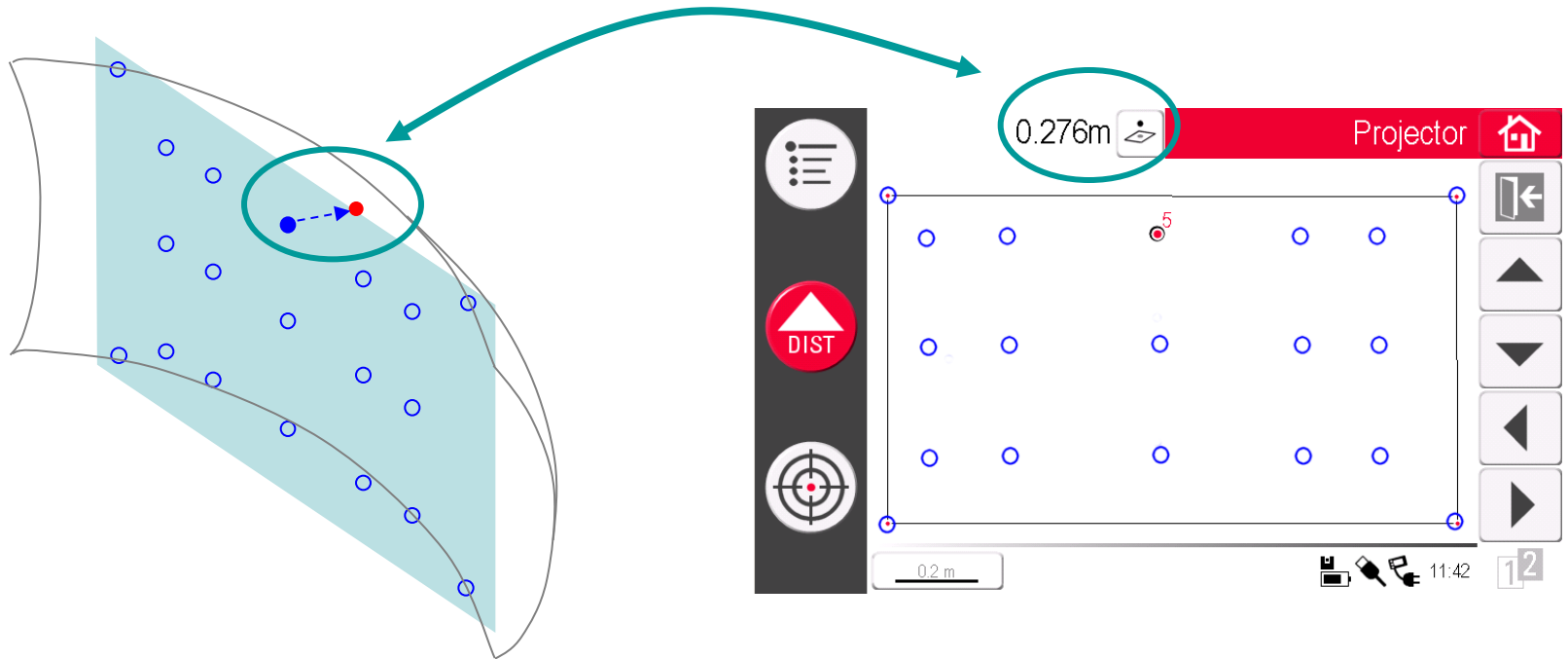# Projector on curved surfaces
Workflow

8   Set out like usual.

Projector on curved surfaces

Workflow

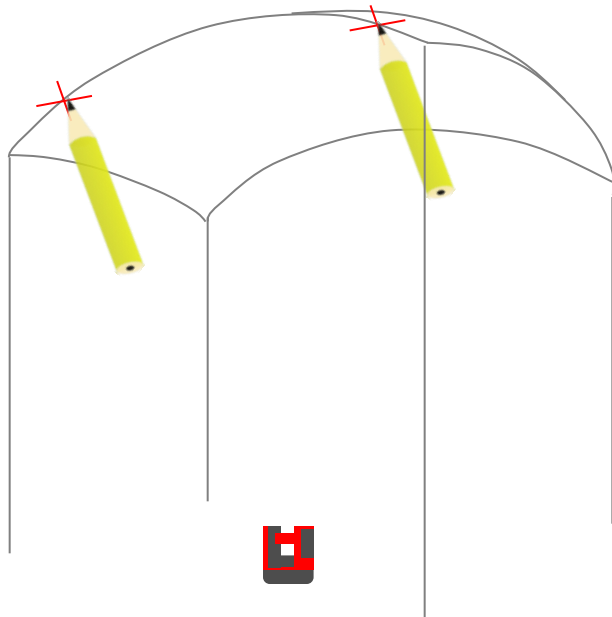**9**   After each point's projection the distance to the plane is indicated.

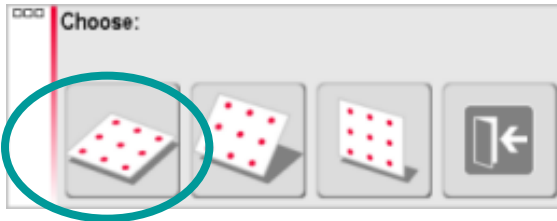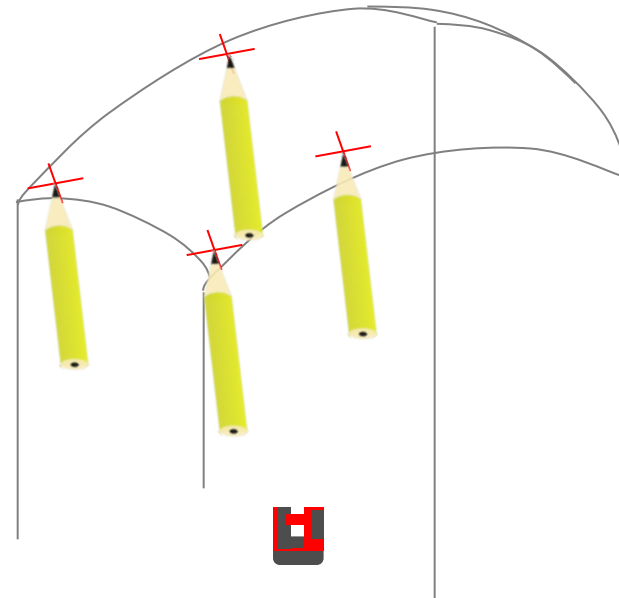# Projector on curved surfaces
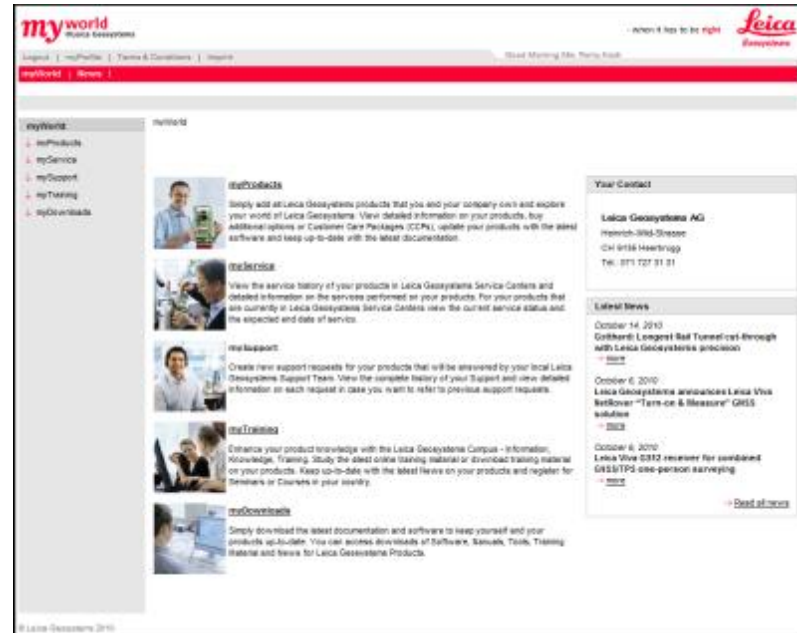**Advice**

Horizontal projection

Slope projection

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- **software updates**

- **support**

- **manuals**

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