



Leica 3D Disto

Perpendicular point projection

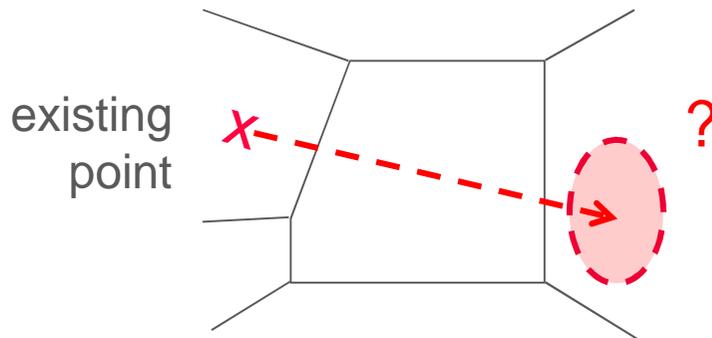
- when it has to be **right**

Leica
Geosystems

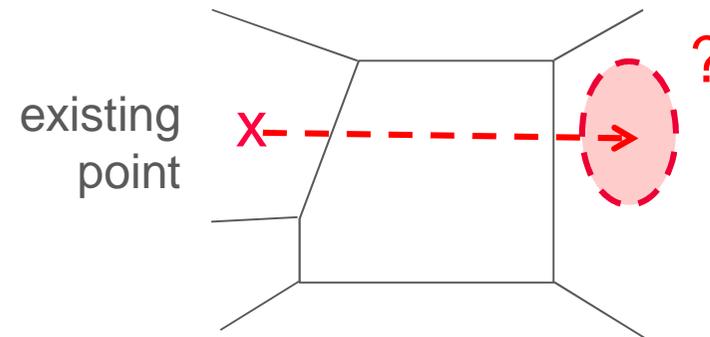
Perpendicular point projection

How to project a point perpendicular to a tilted surface

1 strictly perpendicular:



2 perpendicular & keeping the level:



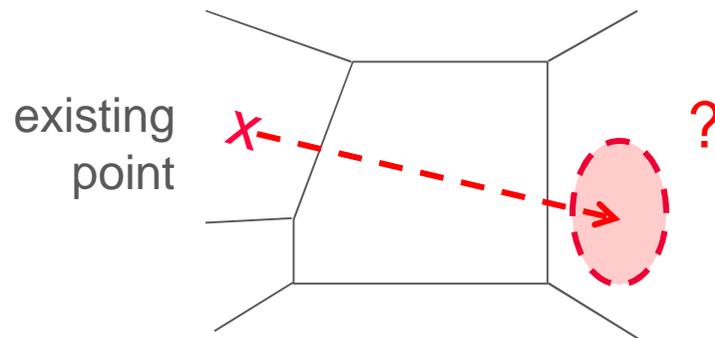
No problem for the 3 D Disto's
PROJECTOR application, version 2.0!

- when it has to be **right**

Perpendicular point projection

How to project a point perpendicular to a tilted surface

- 1 1st workflow:
strictly perpendicular:



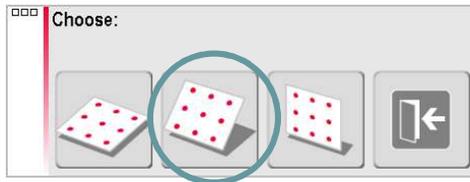
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Perpendicular point projection

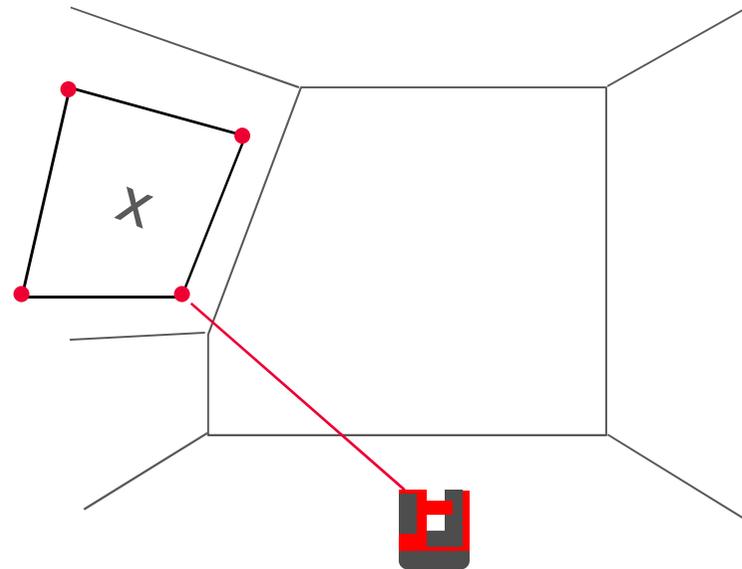
How to project a point perpendicular to a tilted surface

1 strictly perpendicular:

- start „Projector“ application
- select option „slope“



- follow the assistant and measure around the working area
- close the line with  key



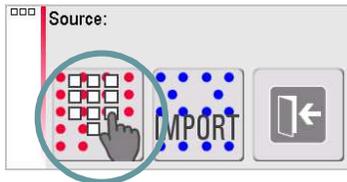
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Perpendicular point projection

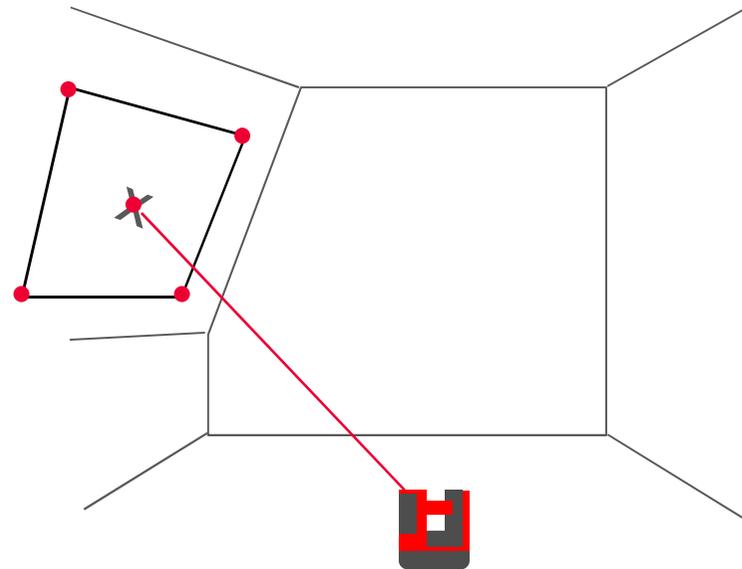
How to project a point perpendicular to a tilted surface

1 strictly perpendicular:

- follow the assistant and measure the point you want to be projected
- press ✓ key
- select option „enter grid“



- enter arbitrary values in the following popups for grid geometry



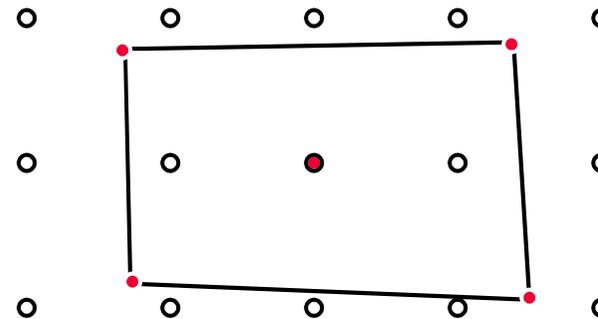
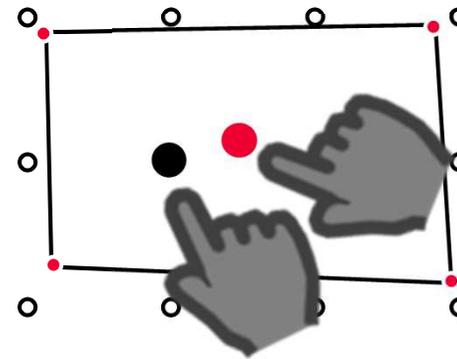
- when it has to be right

Perpendicular point projection

How to project a point perpendicular to a tilted surface

1 strictly perpendicular:

- grid is displayed on the screen
- select a grid point
- select the point you want to be projected
- if both points are highlighted go to 2nd toolbar and press 
- both points are covering now. Press 



- when it has to be right

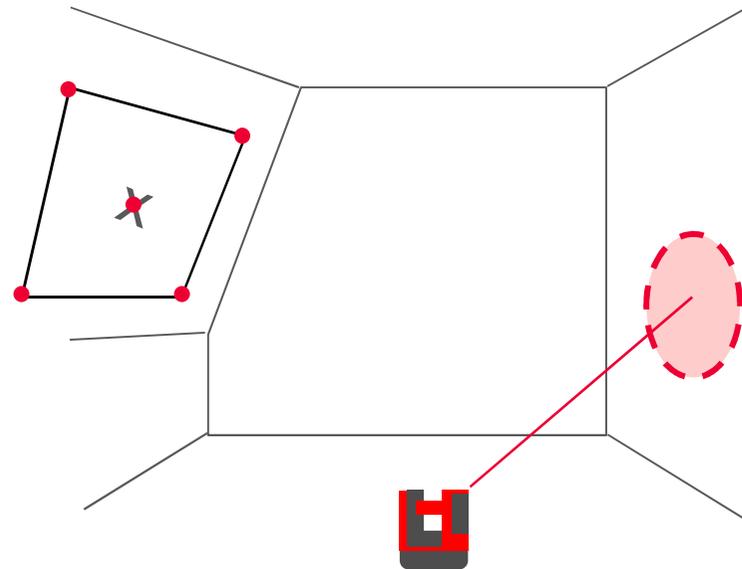
Perpendicular point projection

How to project a point perpendicular to a tilted surface

1 strictly perpendicular:

- turn the laser to the position where you expect the projected point approximately

- press 



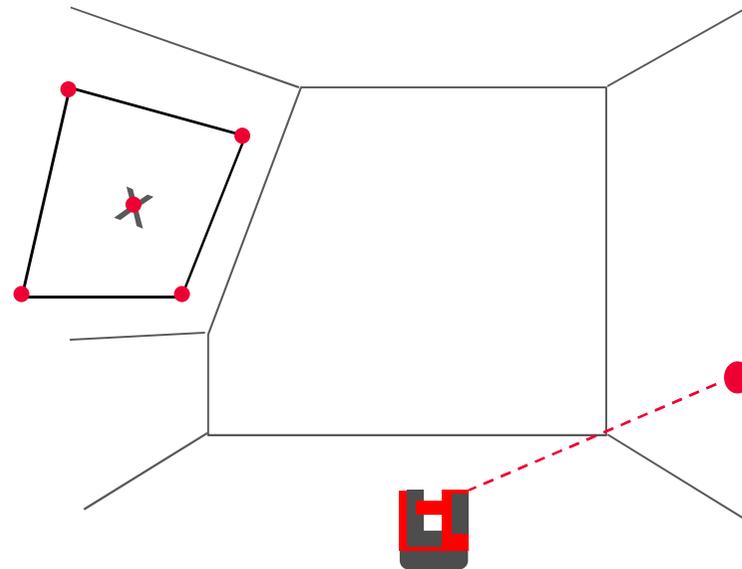
- when it has to be **right**

Perpendicular point projection

How to project a point perpendicular to a tilted surface

1 strictly perpendicular:

- the 3D Disto now measures and the laser moves
- if the correct position is found the laser blinks and the point flashes up in the screen.



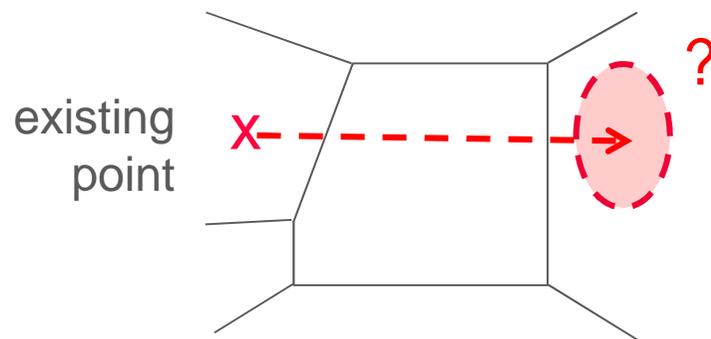
- when it has to be **right**

Perpendicular point projection

How to project a point perpendicular to a tilted surface

2

2nd workflow:
perpendicular & keeping
the level:



- when it has to be **right**

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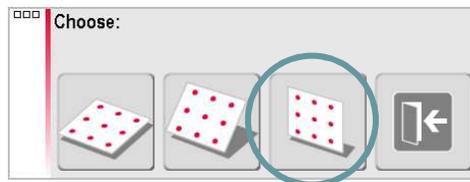
Perpendicular point projection

How to project a point perpendicular to a tilted surface

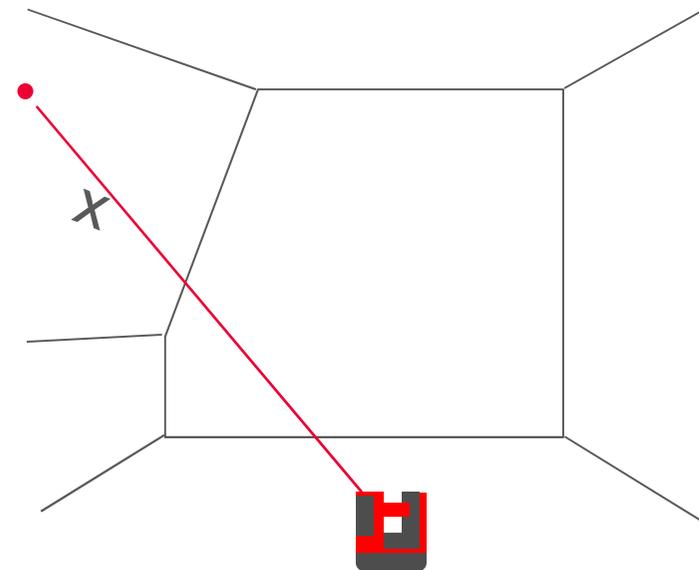
2

perpendicular &
keeping the level:

- start „Projector“ application
- select option „vertical“



- measure the 1st point on the wall (upper left corner, see sketch)



- when it has to be **right**

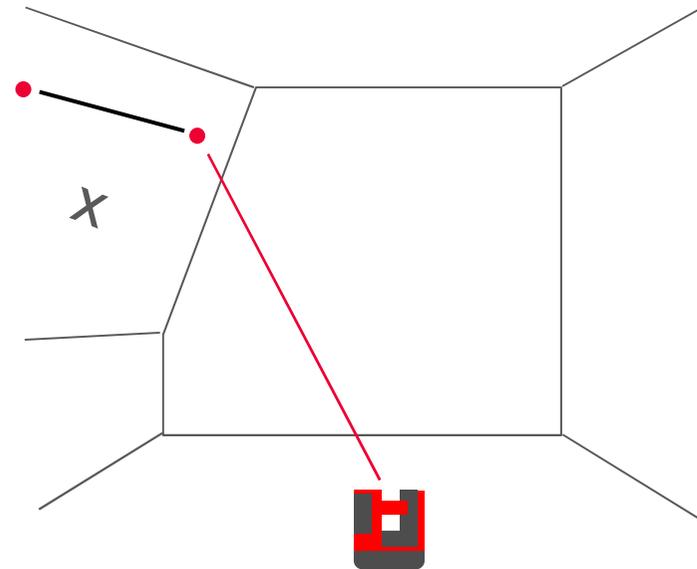
Perpendicular point projection

How to project a point perpendicular to a surface

2

perpendicular &
keeping the level:

- to get a correct result if the wall is tilted, the 2nd point that you measure must have the same height as the 1st point. Therefore go to the menu and start „Tool Kit“
- press 
- enter a horizontal distance; for vertical distance enter „0“
- the laser moves to 2nd point, keeping the level. Quit the Tool Kit
- back in Projector press 



- when it has to be **right**

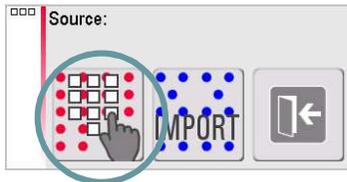
Perpendicular point projection

How to project a point perpendicular to a tilted surface

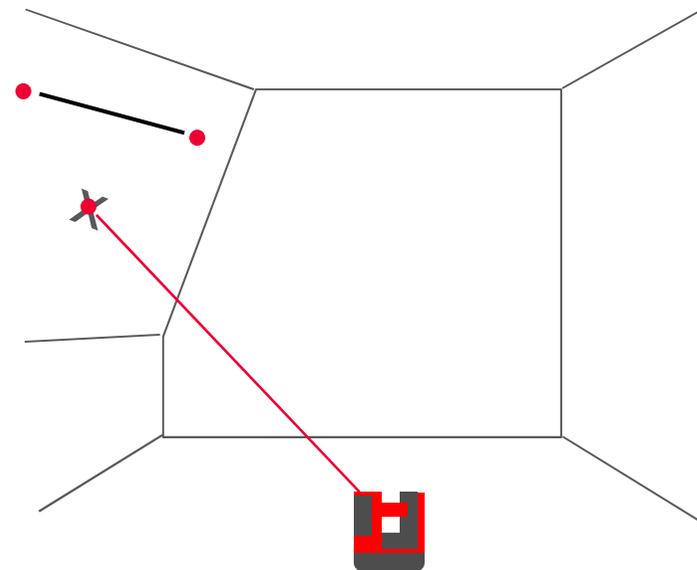
2

perpendicular &
keeping the levels:

- follow the assistant and measure the point you want to be projected
- press ✓ key
- select option „enter grid“



- ...
- ...
- (proceed like in 1st workflow)



- when it has to be **right**

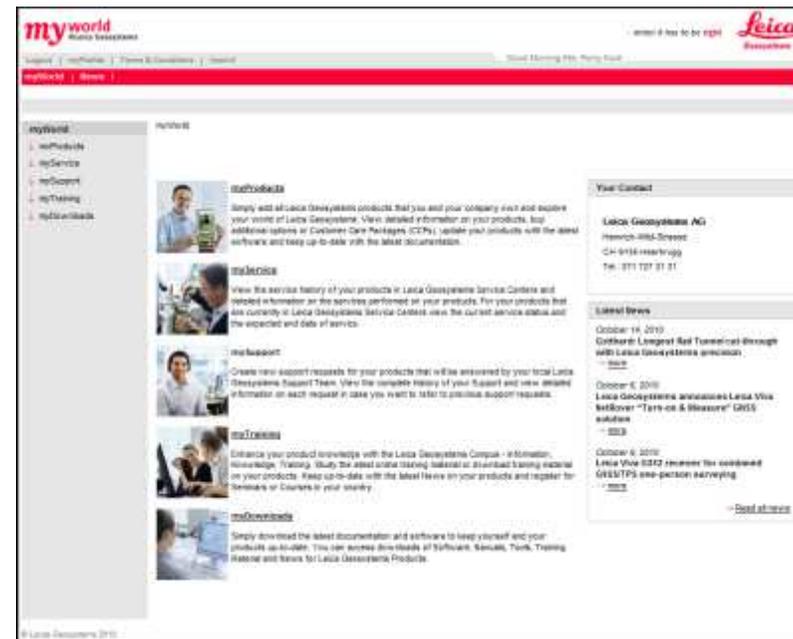
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- when it has to be **right**

