How To Calculate Volumes In X-PAD

Notebook: Quicksheets

Created: 19/10/2021 11:28 **Updated:** 19/10/2021 21:00

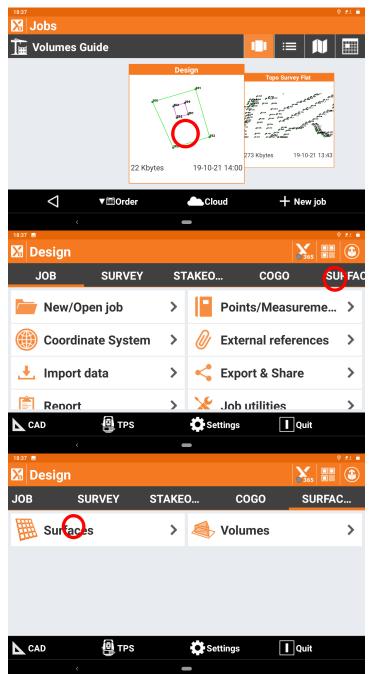
Author: Dariusz Liszka

Tags: Surface, Volume, Xpad, Xpad Ultimate

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How To Calculate Volumes In X-PAD

Created: 20211019_DL



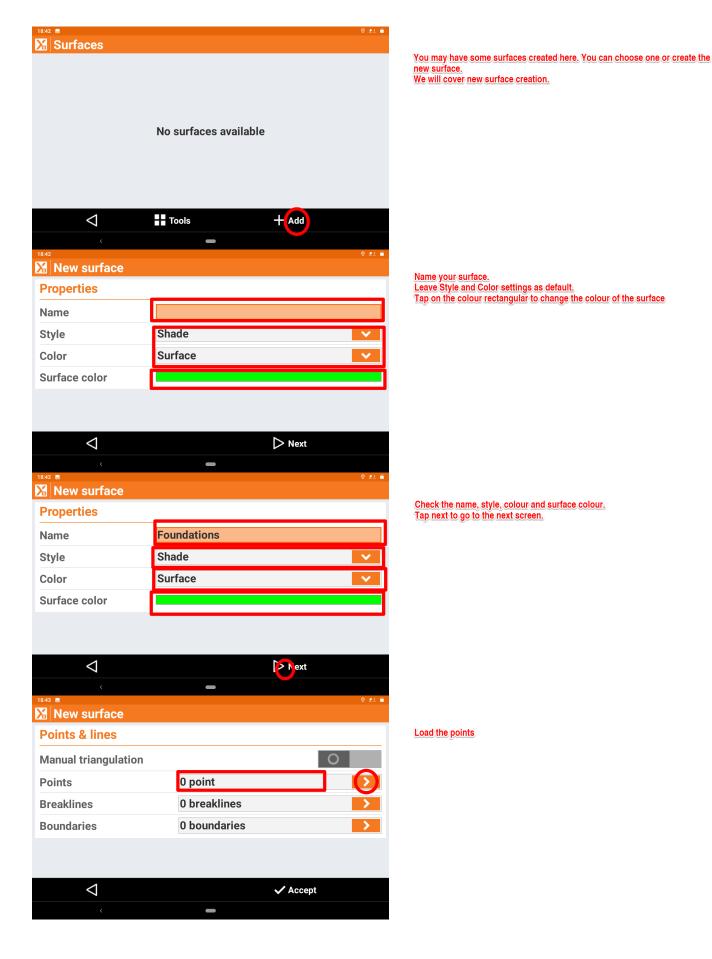
To calculate the volumes you will need:

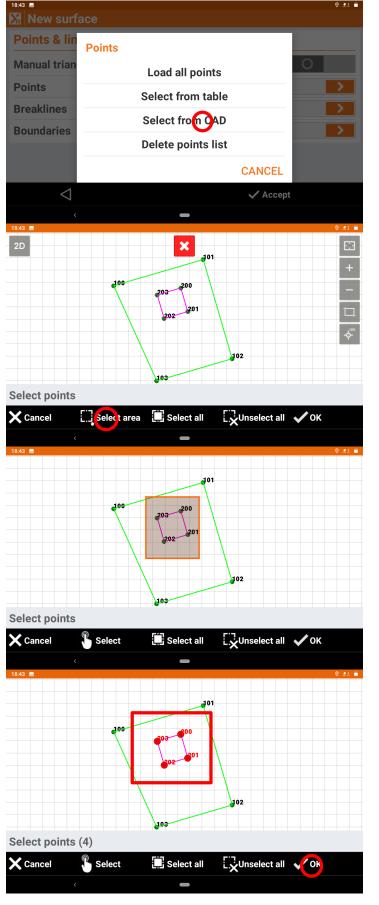
- design drawing (if required)
- topographical survey of the terrain
- ideally design and topo survey are in separate jobs (like in our example)
 There are few different ways to calculate volumes. The most advanced is the case of calculating volumes between two separate surfaces and that will be covered in

The most important thing is to create surface(s) at first.

To start open one of the jobs where you're going to define the first surface.

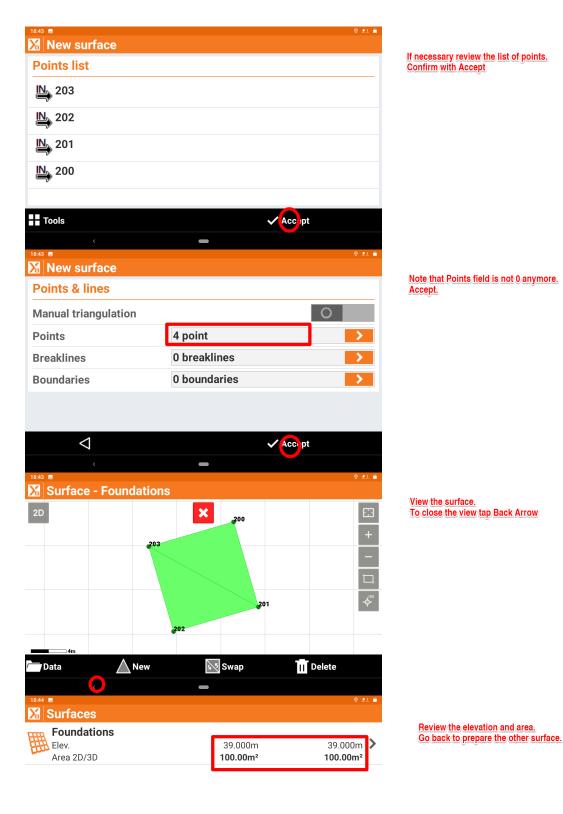
Head to the Surfaces



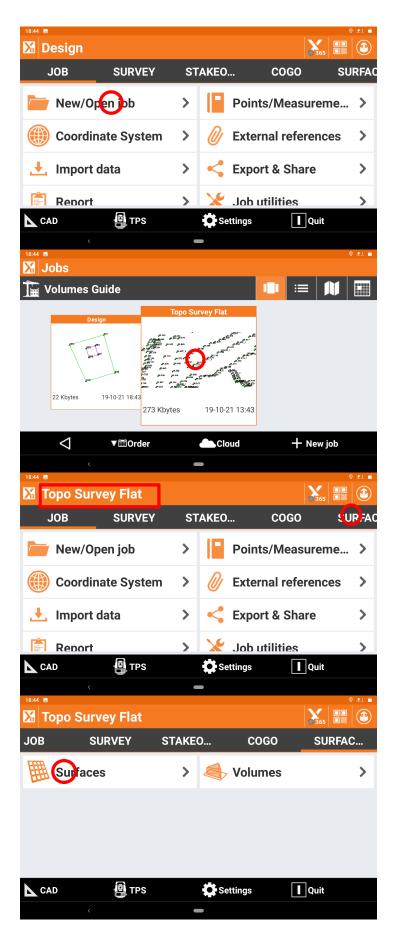


Tap and drag diagonally on the screen to draw rectangular to select the points you want to use for the surface.

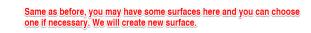
Note the selected points - they are marked with red circles. Confirm by tapping OK

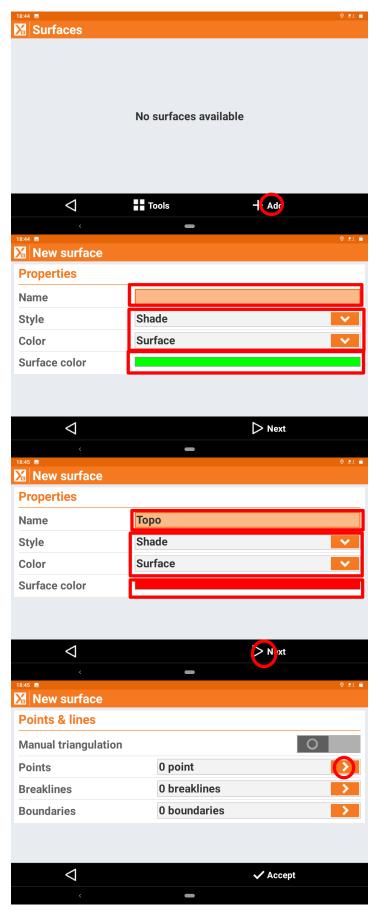




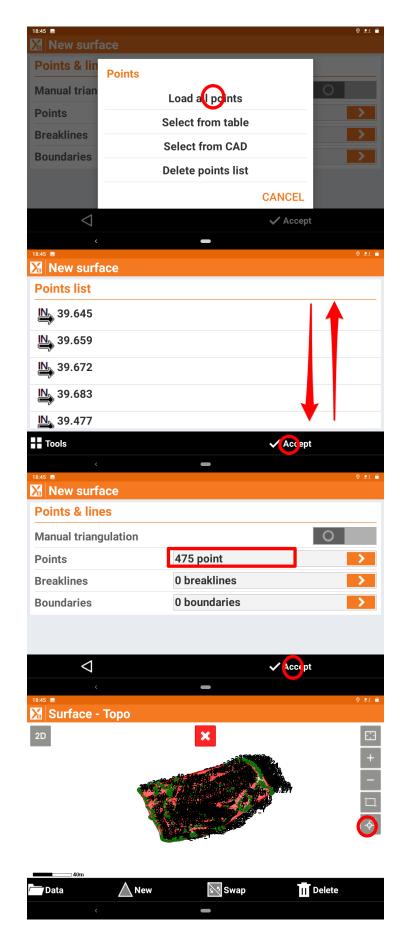


The name of the opened job is displayed in top left corner. Go to Surfaces





Name the surface, leave the options as default, choose colour for your surface. Tap Next to go to the next screen.



As the entire job includes only topographical survey of the terrain we will load all the points.

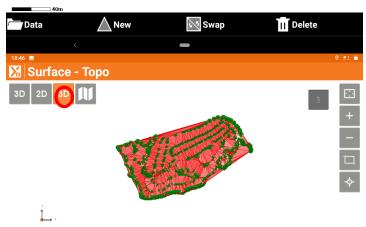
Scroll up or down if you need to review the points. Accept.

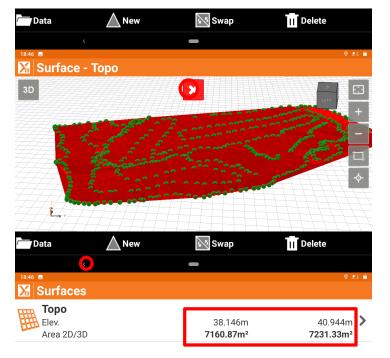
Review the surface, to make the drawing more clear you can switch off the points description.

Tap on the Back Arrow or Red Cross to close the Surface View screen.





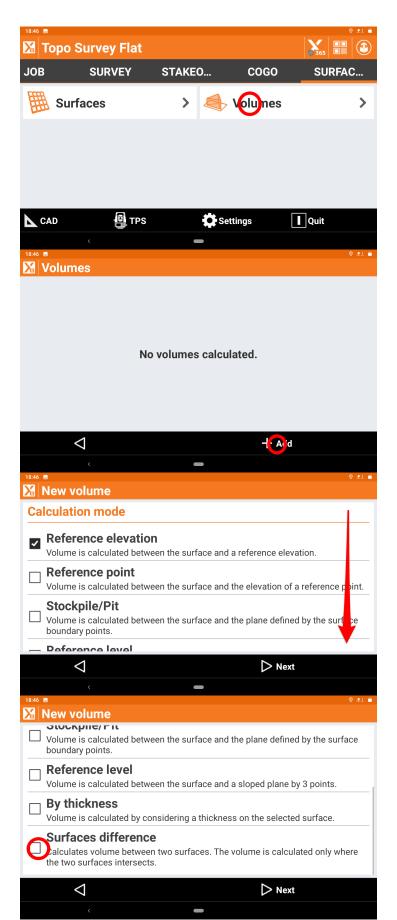




Drag your finger across the screen to rotate and move the view. Use Red Cross or Back Arrow to close the view.

Review elevation and area if necessary. Tap on Back Arrow.

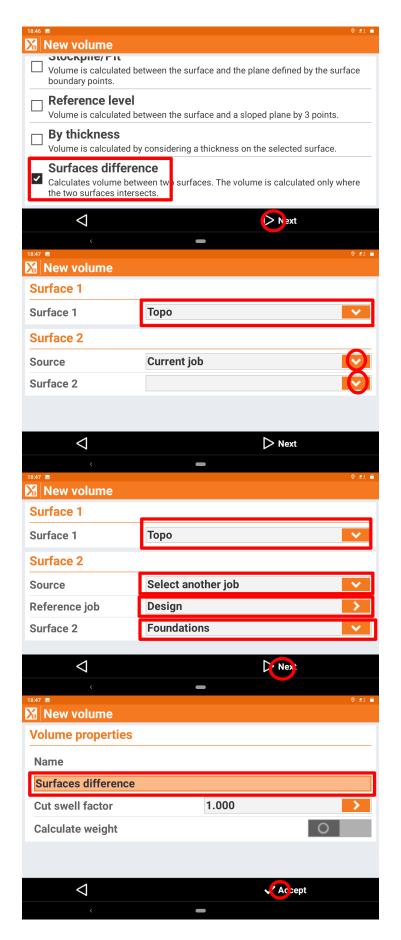




Scroll down for more options.

Choose Surface Difference to calculate volumes between two surfaces.

Review other options - each of them is very well described and the procedure for calculation is very similar (you need only 1 surface for all other options). X-PAD will guide you step by step through the calculation - the most important thing is to HAVE THE SURFACE ALREADY CREATED.



Check the Surface 1 (as default last created surface in the current job). Choose the surface 2 - we will use other job as we created the surface in job named Design.

Change the name if necessary. Accept.

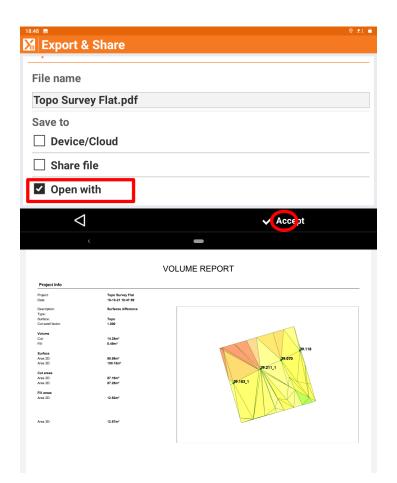


Valuma Report \triangleleft Area ZD ۳/.۱۳۳ **Report** Area 3D 87.28m² Report type Volumes (complete) Fill areas **Show points** Area 2D 12.82m² CANCEL OF Area 3D 12.87m² Report **Report type** Area ZD **ASCII format** ۵/.۱0M^ Area 3D 87.28m² **Excel CSV Excel XML** Fill areas PDF document Area 2D 12.82m² **HTML** format Area 3D 12.87m² **CANCEL** Area ZD 8/.۱0m-Area 3D 87.28m² Report C Prepare report in progress... Fill areas Area 2D 12.82m² Area 3D 12.87m² Report \Diamond

Scroll up or down to reviw the results.

Tap on Report to get the report file for further sharing.

Choose preferred format. We will go with PDF.



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