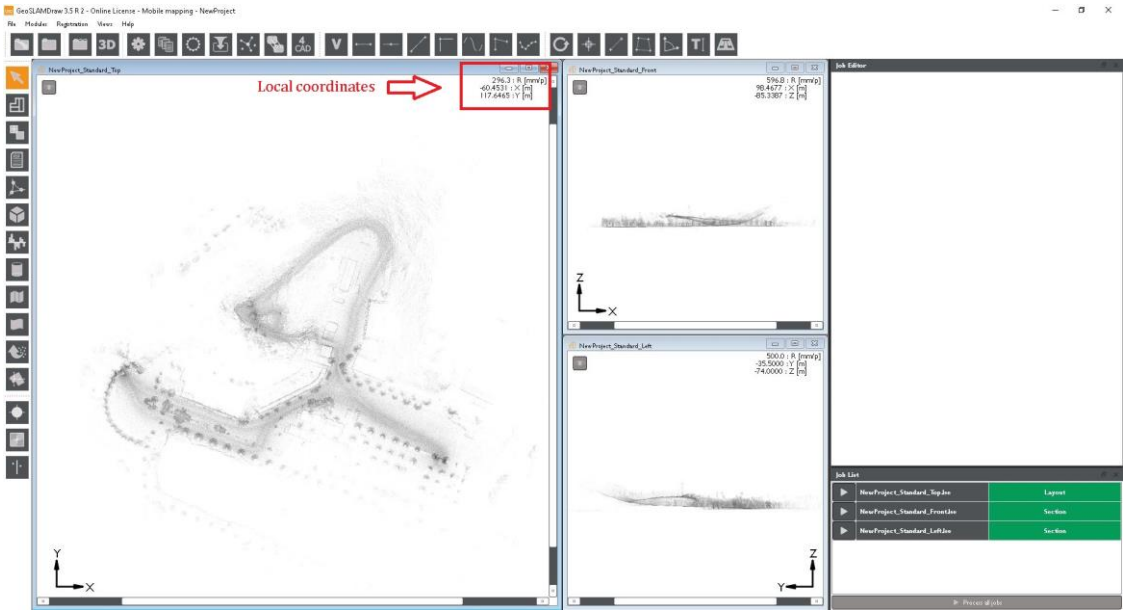
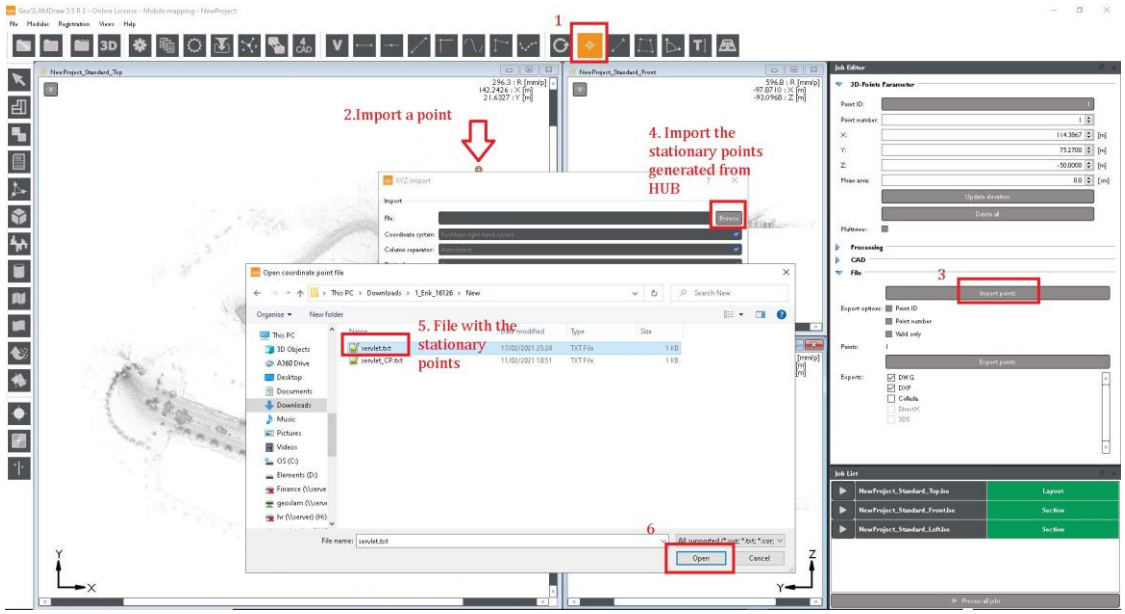
How to georeference

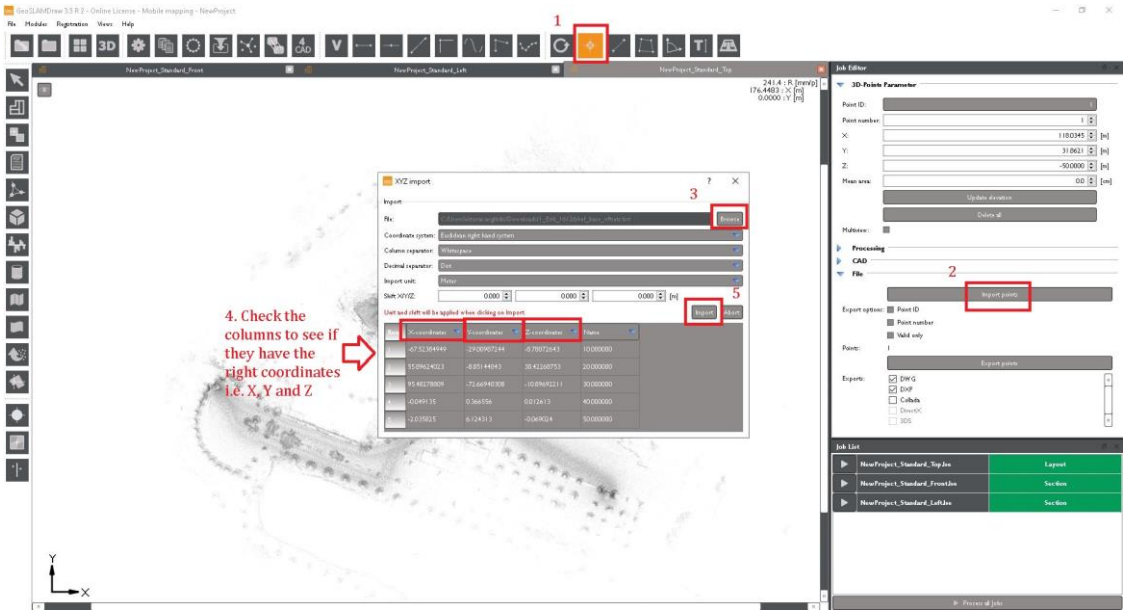
Step 1: Load/Create New Draw project from HUB and check the coordinate system. It should be local



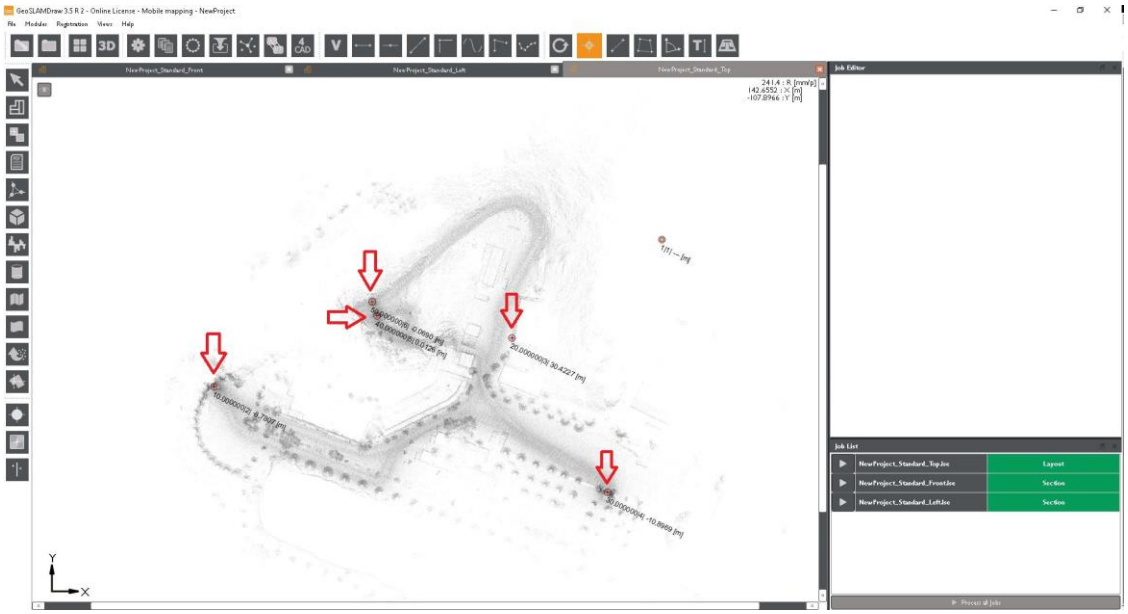
Step 2: Load the Reference points (See below).



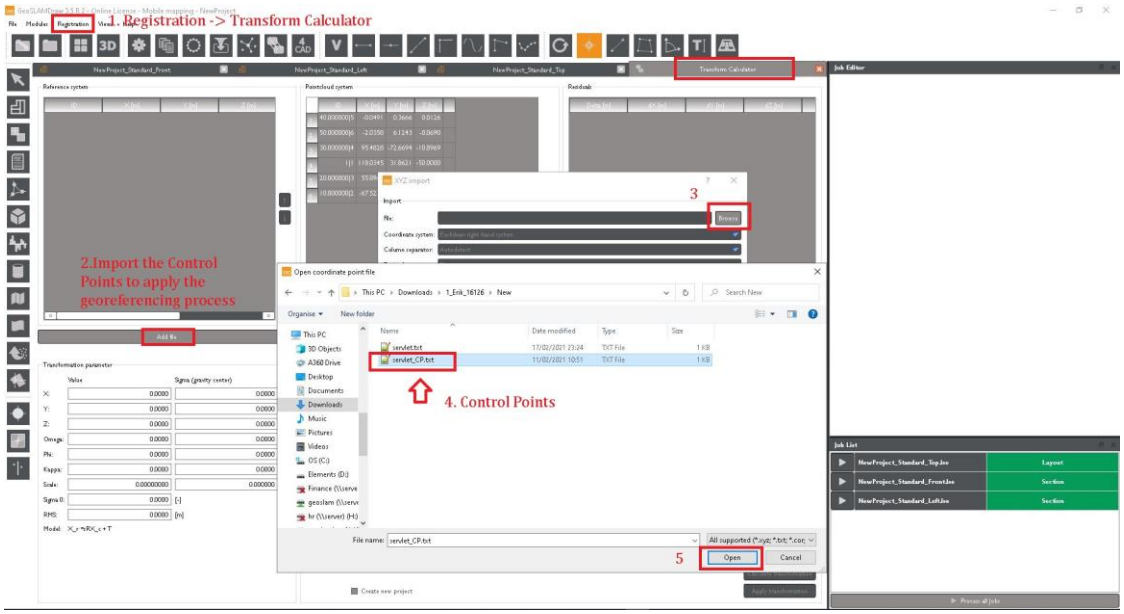
Step 3: Check and verify if the refence base points are correct – based on the columns i.e. X has X values, Y has Y values and so on and so forth.



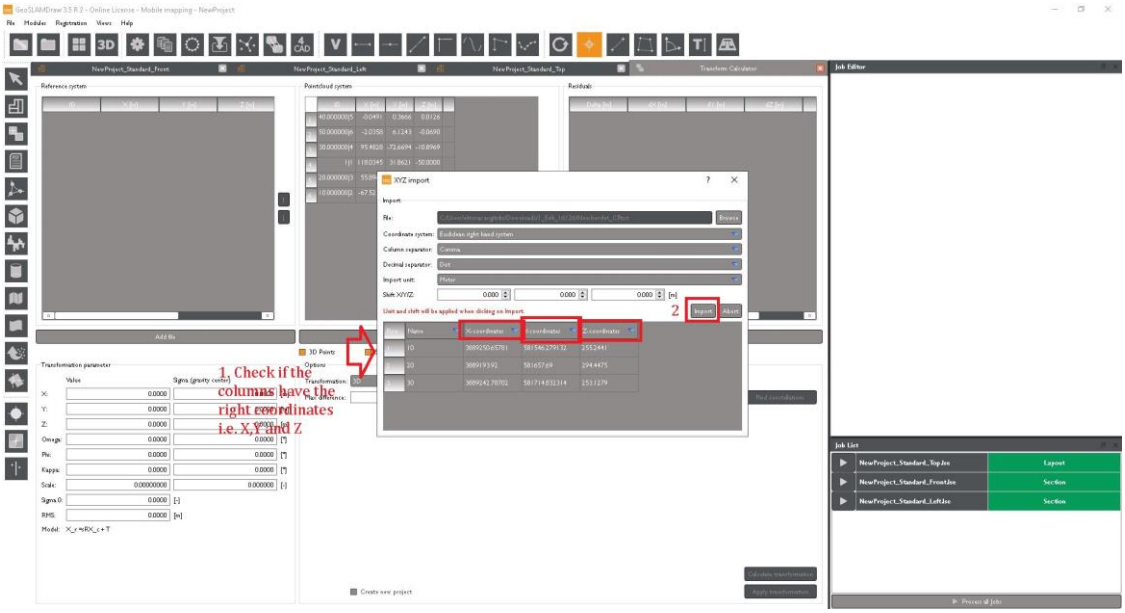
Step 4: Check if the reference base points are placed correctly in the 3D point cloud model.



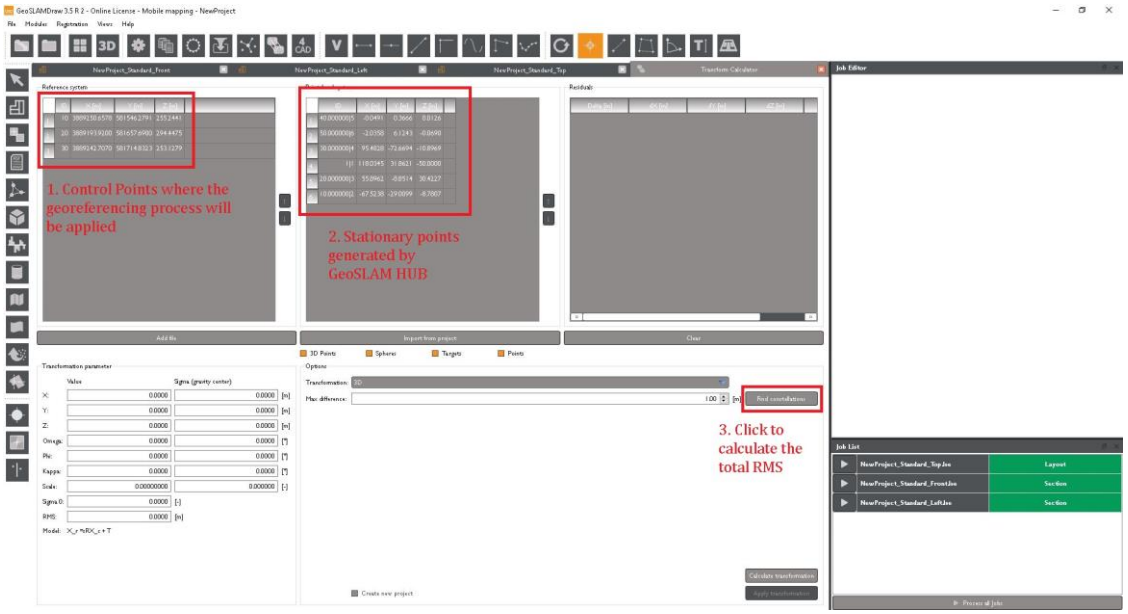
Step 5: Go to Main toolbar -> Registration-> Transform calculator to load the Control Points acquired from the total station (or GPS/GNSS device).



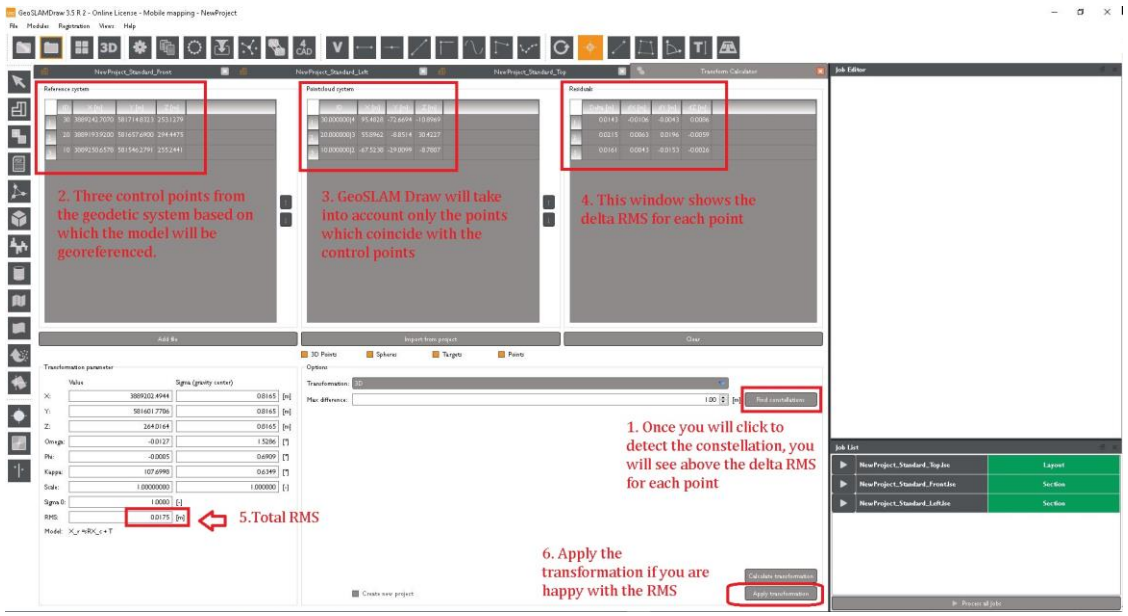
Step 6: Import the Control Points and check if the columns are set correctly i.e.X to X coordinates, Y to Y values and Z to Z values.



Step 8: Make sure you have set the coordinates accordingly as they are depicted below and find the constellation to calculate the RMS.



Step 8: Make sure you have set the coordinates accordingly as they are depicted below and find the constellation to calculate the RMS.



Step 9: If everything is fine, click on the apply the transformation to position the model in the geodetic system you would like to. You may double check the coordinates as they are shown in the screenshot below – on the top right-hand side.