

## SPACE WARP

### Curved Sections

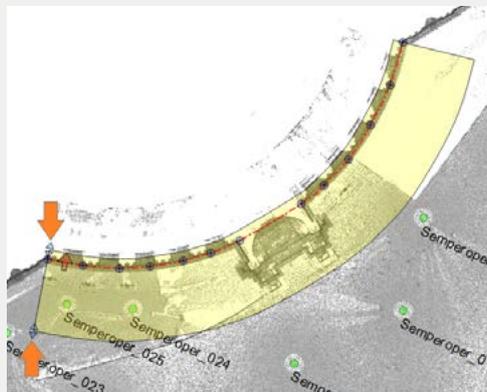
With the Curved Section function, you can unfold irregularly curved objects directly from your point cloud and analyse deviations. As a result, you get true-to-scale 2D orthophotos in which you can easily measure areas, distances and heights of curved structures.

#### Example: Semperoper Dresden

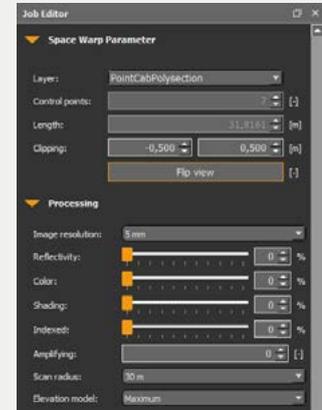
To start we select the **Curved Section tool** . Now we create the curved section line in any of the standard views. With each further click of the left mouse button we set another control point to define the section line and thus define the whole section. With a double click on the last control point we finish the creation of the curved section. We can subsequently move the control points in the corresponding view and thus readjust the course of the section.



In the definition of the section view we can define the influence area of the point cloud. In one of the side views the height of the section can be edited by dragging the arrow up or down.



We can do the same by entering the numerical values in the **Job Editor**. Also with the curved section we have the possibility to select the viewing direction accordingly. In this example, the viewing direction is from the outside to the inside. The result is therefore a planar orthophoto of the exterior façade. By reversing the viewing direction, the left and right sides of the surface are implicitly swapped. For more information on the settings in the Job Editor, such as resolution, intensity and colour values, see our tutorial [SpaceWarp - Options](#).



After we have adjusted all settings for the curved section, we start the calculation by clicking on the arrow in the job list. ▶

