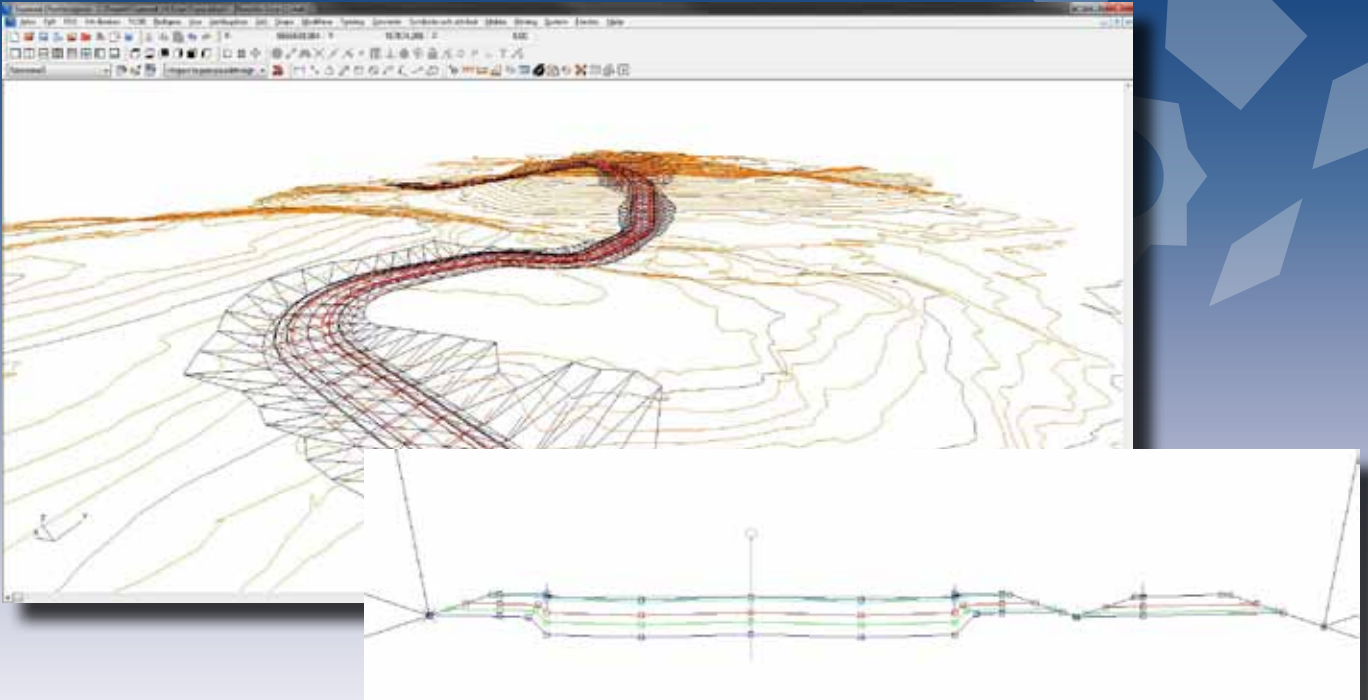


# Create section templates for roads, railroads and sewers



## Topocad Volume Section

Topocad Volume Section combines section templates with terrain models, point clouds, road lines, profiles and camber diagrams in order to create several different calculated sections and volumes.

The Topocad section template is intelligent and can create any section template from road to railroad or sewer. Several different section templates can be downloaded from [adtollo.se/en](http://adtollo.se/en). The section templates are created with different vectors, fixed dimensions, slopes, fillet, inter-sections, relative dimensions and connections to models and layers and so on. Dynamic section templates are created to follow different sidelines or profiles and different offset measurements. The section templates can apply an unrestricted amount of input layers. Both when it comes to internal layers such as top soil layers, carrying layers, amplification layers but also when it comes to numerous terrain models. It is possible to calculate sections using ground, mud, amplifications, rock or for example existing roads.

In calculated sections both areas and volumes are interactive. Editing one or many sections can be done simultaneously, with or without interpolation, and volumes are calculated instantly. It is also possible to calculate sections using point clouds. You can easily change the input components, for example when switching or updating a terrain model, road line, profile or section you immediately get an updated section.

The sections can be exported to LandXML for machine control in Novatron, Topcon, Trimble and so on or to MBS for machine control in Georog. They can also be exported to terrain models or as sections and polylines in a drawing. You can import calculated sections from LandXML format furthermore you can create a section template from that imported calculated section.

Both the calculated sections and terrain models created from sections can be used as reference in a 3D drawing in Topocad for instant preview of how the calculated sections will turn out.

Topocad Volume Section is a simple and smooth tool for creating calculated sections and volumes for roads, railroads and sewers. In Topocad you have all you need to configure the calculation and update the volumes. Topocad also support both numerous machine control formats and import designs from other software and systems.

### Topocad Volume Section

- » Section templates for all types of sections
- » Calculate sections and re-calculate sections
- » Interactive volume calculation
- » Machine control data in LandXML and MBS
- » View the 3D result in the drawing