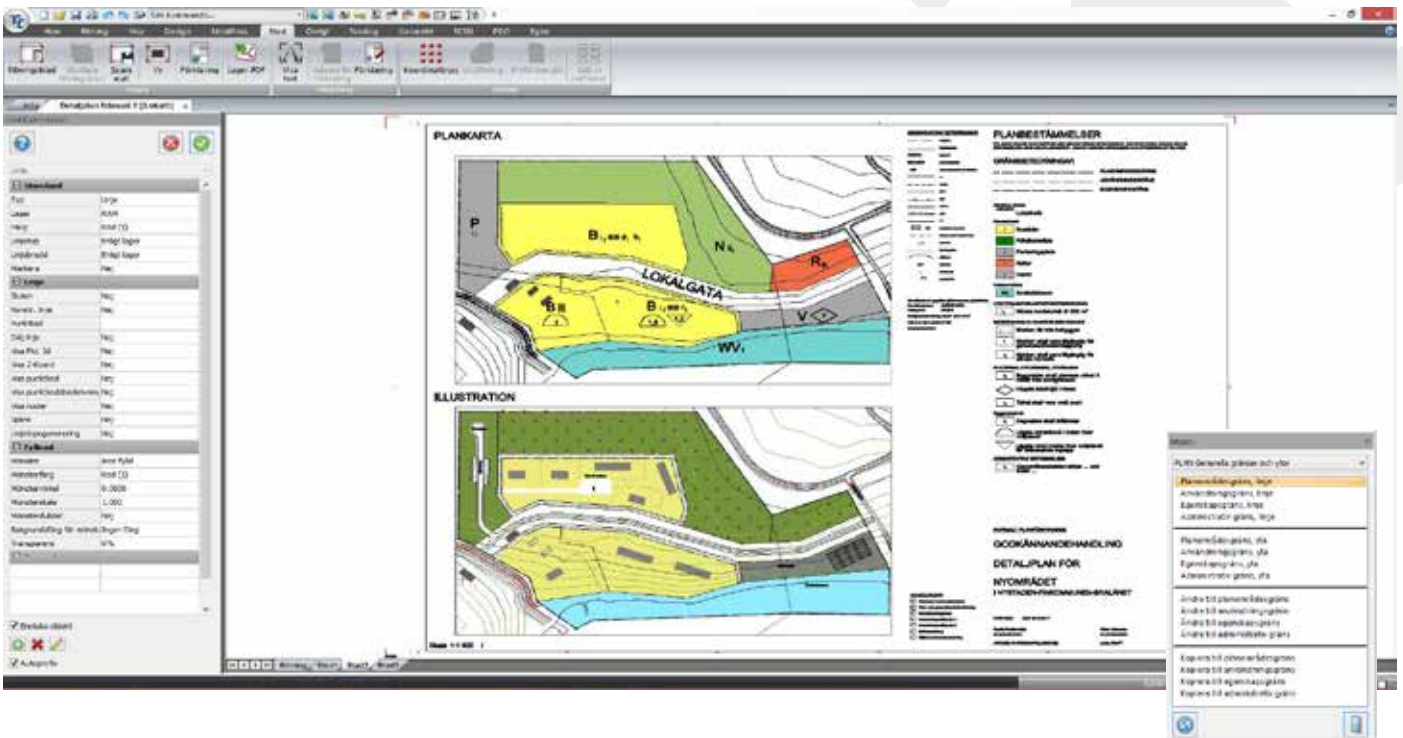


Civil planning



Civil planning is a society function for determining usage of different areas in the municipality. Topocads civil planning is set up locally with local rules and laws. The rules are using a cvp text file and is easily localized as well as the macros for creating different borders and properties. The Topocad module for civil plan work has functions for creating intelligent objects through composite commands, attributes to assign properties on surfaces according to standards and custom properties. Also, the module has a smart function for creating semi-automatic legends and easy access to storage in databases.

Topocad uses macros to create the objects, such as usage limits and property limits. Information specified with a macro is layers, colors, line types and line widths, symbols, attributes, codes - and above all - plan designations.

More provisions can then be added to the items according to the national standard or custom rules. They are automatically sorted and displayed in the legend of the drawing sheet. The properties are saved on the object and will be downloaded to the database. There is also functionality for importing and exporting an XML file with geometries and properties. The drawing sheet is easily created with templates and you simply create an explanation for the drawing sheet. There is functionality for automatically moving texts on the drawing sheet if they are cut at the legend edges.

The civil plan module allows you to tie up the measurement, map and plan:

- The measurement device can directly measure and update the map
- The map can be retrieved and saved in a large number of databases such as Oracle, SQL Server, PostGreSQL and both plan and map can retrieve and print the map.
- The map can be updated and edited with integrated CAD tools

- The system does not require an external CAD application
- The system is independent of external application developers
- Intelligent objects with provisions. The objects know what they are and this is stored in the database for direct access
- Drawings are autogenerated with all the provisions contained in pitch
- The detailed civil plan can be published on the Internet for publication internally and in general
- Three-dimensional map with display and publication in three dimensions

- Creates intelligent surfaces
- Plans are specified on the object
- Automatic creation of drawing slips
- Automatic alignment of texts in the drawing sheet
- Save provisions directly in the database