ROD® - Road Designer – Product Data Sheet

Our road designer offers unprecedented flexibility and configurability for the design of road networks. It provides the user with an intuitive graphical interface which allows for easy operation.

With ROD, users can generate their own databases using arbitrary combinations of pre-defined tiles and/or individual road layouts. The tile library can be extended at the user's discretion.

All road design tools allow for the use of the same geometric elements that can also be found in real road networks.

ROD provides the following road features:
- unlimited number of lanes
- various lane types (e.g. driving, walkway, cycling)
- elevation profile
- bank (super-elevation) profile
- side scene (individual 3d objects and area features)
- signaling (extensive German and UK libraries available)
- junctions
- others

All libraries and the majority of the graphical features are stored in ASCII configuration files and can be customized by the user.
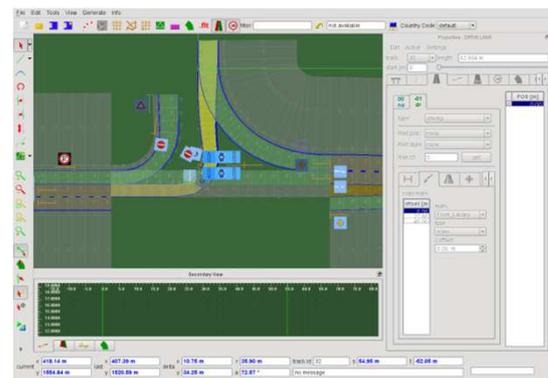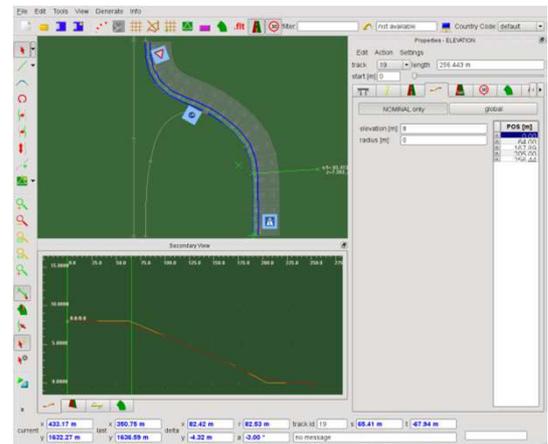
A series of ASCII import formats (including OpenDRIVE, DXF and GPS points) is supported by ROD so that road networks can be created in a fast manner.

ROD provides interactive 2D editing and 3D preview of the database.

Graphical data is generated in a format that can be read by a large number of image generators and real-time 3D libraries.

ROD generates a logical description of the database according to the OpenDRIVE® standard which is 100 percent consistent with the graphical representation.

ROD is available for Linux systems. Please ask for your individual licensing model.

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By means of pre-defined tiles, the user may layout complete road networks in a very efficient way and may use these networks either directly or after applying individual modifications. The database tiles may contain a small fraction of a database (e.g. only an intersection) or complete (sub-)networks. The user may design custom tiles and add them to the tile library.