

## VI-Road

VI-Road is the specialized software for three-dimensional road design from VI-grade. VI-Road enables to prepare accurate road data files for vehicle, motorcycle and aircraft simulations, using analytical descriptions as well as experimental measurements for a very realistic mapping of real-life road profiles and race tracks.



VI-Road additionally supports a series of advanced capabilities, such as the possibility of modeling kerbs and of specifying variable friction coefficients and track disturbances. Thanks to an embedded solver, VI-Road enables to estimate the static limit speed profile for a given vehicle on a specified trajectory. VI-Road is compatible with other VI-grade products, such as VI-Driver, VI-Animator and VI-DriveSim



## Capabilities

- Interactive generation of road surfaces for different multibody solvers
- Road data postprocessing with specific tools (smoothing, corner cutting)
- Creation of driver trajectories
- Generation of road geometries for visualization into simulation post-processing software (VI-Animator, Adams PostProcessor)
- Different features for automatic and fast road design: Analytical mode, Oval model, Extrusion mode, Meshed model
- Additional features: Kerb modeling, Stochastic Irregularities, Surface Friction, Corner cutting, Smoothing
- Different exporting features available: Road data file (RDF), Trajectory data (DRD, DCO), SpeedGen states (VSG), Graphics representation (Wavefront).

## Benefits

- Compatible with VI-grade vertical products
- Makes it easy to generate road profiles from measurements or analytical data
- Advanced features such as kerbs, variable friction and disturbances supported
- Supports VI-Driver with static speed profile calculation

To learn more about our products and services please contact:

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