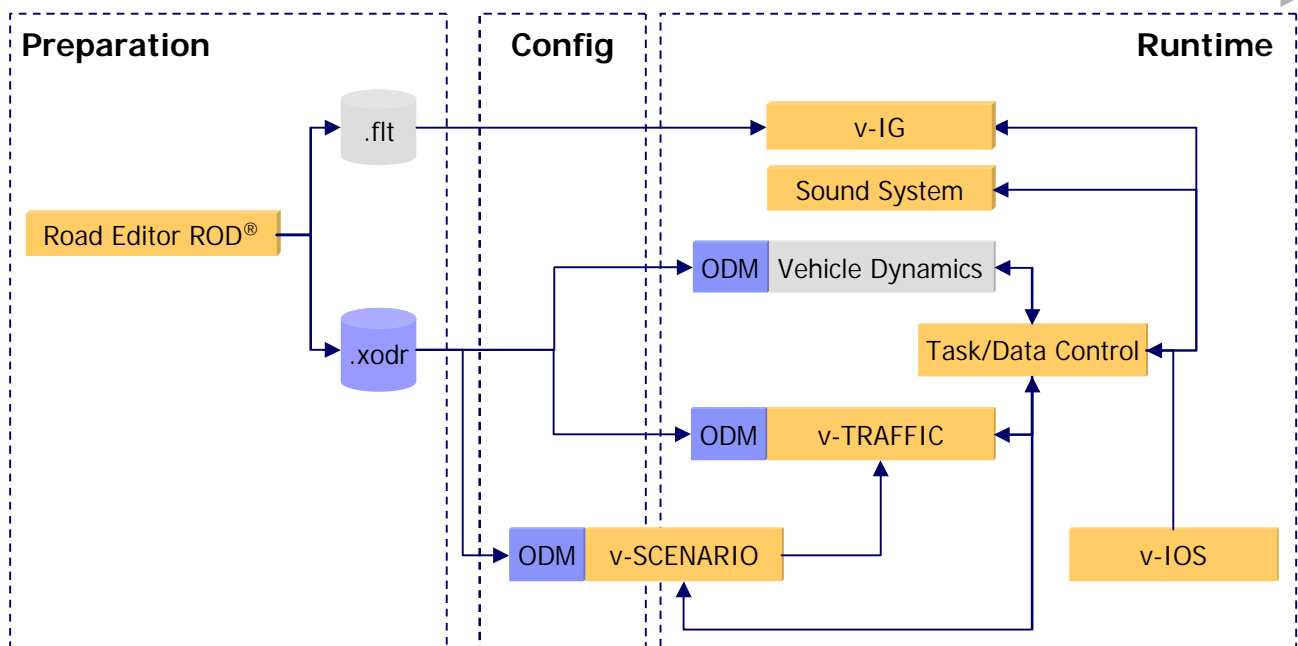


VIRES[®] Toolchain for Driving Simulation



VIRES offers a complete tool-chain for driving simulation applications: starting from the definition of road networks with our road designer "ROD", we provide a consistent data flow via industry standard file formats into our applications for the scenario definition, traffic simulation and image generation.

ROD[®] is our interactive state-of-the-art road network editor based on many years and hundreds of kilometers of experience in the design of road networks for real-time simulations.

OpenDRIVE[®] is our open data format for the logical description of road networks. It was created in co-operation with the DaimlerChrysler Driving Simulator in Berlin, Germany, and is being maintained by a core team of simulation industry professionals with inputs from a broad community of driving simulation experts.

v-TRAFFIC is our traffic simulation tool which allows for networked interactive simulation of multiple players in combination with computer-generated participants.

v-SCENARIO provides an interactive graphical editor for the definition and monitoring of road and traffic scenarios.

v-IOs, in combination with our **Task and Data Control** application, provides the main control over the simulation and its data flows, complemented by features such as record/playback, data visualization etc.

v-IG is our real-time image generator which is capable of the latest technologies in real-time 3d graphics. It provides synchronization for multi-channel applications and supports a large number of special effects, e.g. real-time shadow calculation for moved objects, environment mapping etc.

For further information about the single tools and applications, see the respective product data sheets. For more information about OpenDRIVE, please visit www.opendrive.org.