

vc4D Module: Sim2VR

Sim2VR

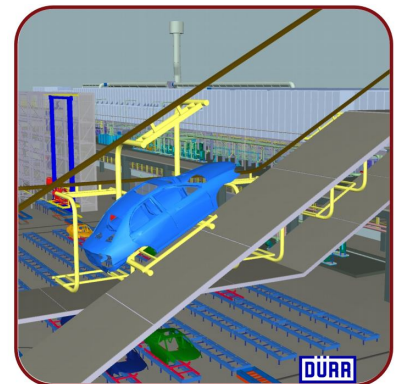
The creation of extensive or complete animated visualizations of production-plants has been very time and cost intensive in the past. In addition to the preparation of the geometry all movements had to be extracted and modeled.

Sim2VR now for the first time allows for a direct coupling of the visualization with the running simulation. If any simulation parameters like speed or buffer sizes are changed the visualization immediately adapts to the new situation.

The Sim2VR plug-in connects vc4D to discrete simulation software like eM-Plant™ from Tecnomatix™ via a network interface called Live-Link*. Events from the simulation are transmitted instantaneously to the running visualization. The kinematics module of Sim2VR models even complex object structures like Power2Free conveyors and even 3D key frame animations, which can easily be defined in the source CAD package. In absence of a Live-Link interface simulation events can be logged to an ASCII file and from there read into the system.

The advantages of Sim2VR at a glance:

- Live-Link real time interface (What you see is what you get!)
- alternatively the Sim2VR Tiny-Host computes simulation data from a previously recorded trace file
- an open protocol allows for the fast adaptation of not yet supported simulation packages
- a powerful kinematics module to model a vast number of complex animations
- Cluster ready



System requirements:

- Windows™ (2000 / XP / Vista) workstation with at least 1GB main memory
- 3D graphics card with at least 256MB video memory
- 4DC base installation

Possible configurations:

- Desktop (Mouse, keyboard, SpaceMouse™)
- Powerwall (FlyStick, HeadTracking, aso)
- Multi-Channel installations
- Head Mounted Display
- And many more ...



realicon GmbH
Ernst-Ludwig-Straße 7
64646 Heppenheim

Tel. 06252/7901-0
Fax 06252/7901-98

E-Mail: info@realicon.de
www.realicon.de