

**Realtime Technologies, Inc.** (RTI) is proud to offer technology that takes you through the complete vehicle development cycle — from design to evaluation. In the design stage, RTI's SimVehicleLT allows you to represent a variety of four-wheel vehicles. For simulation and operation, RTI's SimCreator and SimObserver play a central role. SimCreator, a graphical, hierarchical, real time simulation and modeling system, allows you to develop distributed simulations models with speed and ease. For state-of-the-art analysis, we offer SimObserver with Data Distillery, a stand alone after action review system that allows you to record digital video and data from multiple independent sources. We've also integrated select commercial products to offer you the complete virtual proving ground package.

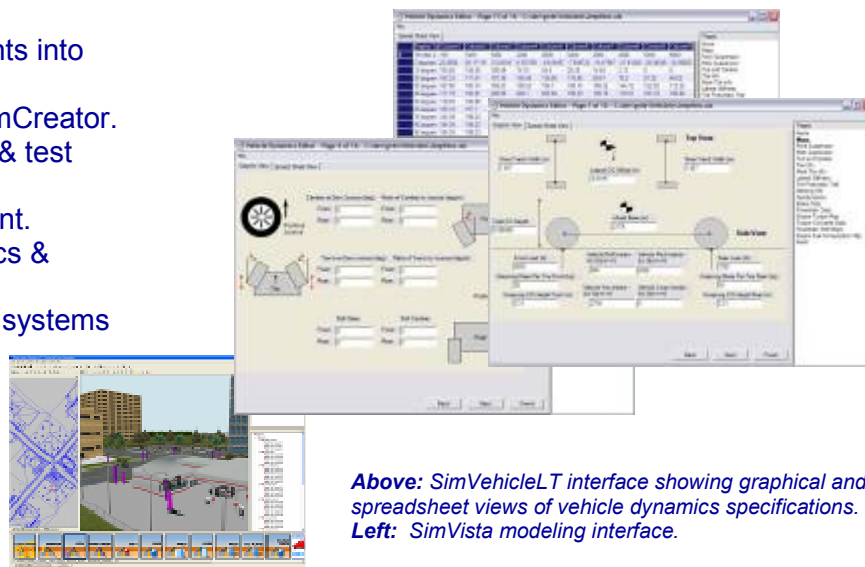


## Modeling

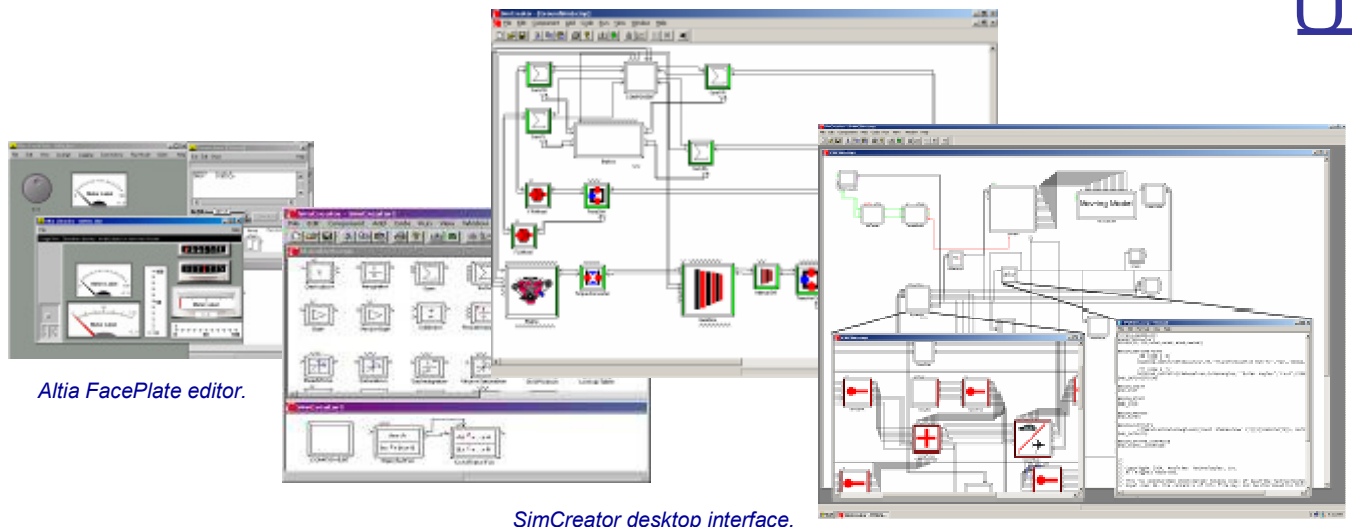
- Review & translate requirements into vehicle design parameters.
- Export vehicle designs into SimCreator.
- Create test track environment & test scenarios.
- Develop in desktop environment.
- Create C/C++ control, dynamics & simulation components.
- Test vehicle designs & control systems faster than real time.

### Software

- **SimVista**
- **SimVehicleLT**
- **SimCreator**
  - **Altia FacePlate**



*Above: SimVehicleLT interface showing graphical and spreadsheet views of vehicle dynamics specifications. Left: SimVista modeling interface.*



*Altia FacePlate editor.*

*SimCreator desktop interface.*

# Simulation

- Control simulation.
- Configure operational environment (cab, motion, display, audio, etc.).
- Engage multiple drivers in multiple vehicle configurations in local or global locations.
- Record & digitally preserve simulation.

## Software

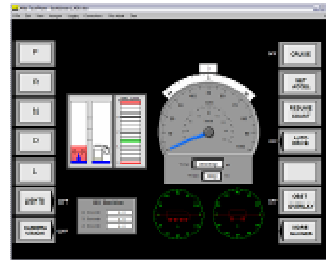
- **SimCreator**
- **SimObserver**
- **OverTilt MDA**
- **Altia FacePlate**



Half cab driving sim with three channel display.



Desktop Sim hardware package.



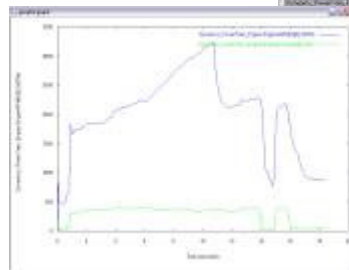
Altia Faceplate dashboard example.

# Review

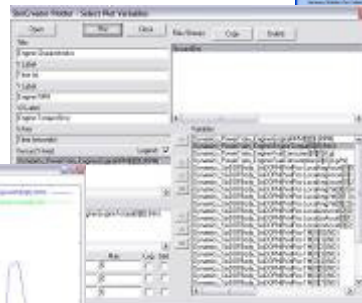
- Predict human/vehicle performance.
- Determine optimal vehicle configuration.
- Reduce data elements & perform statistical analysis.
- Review data elements & event marks in graphical presentation.

## Software

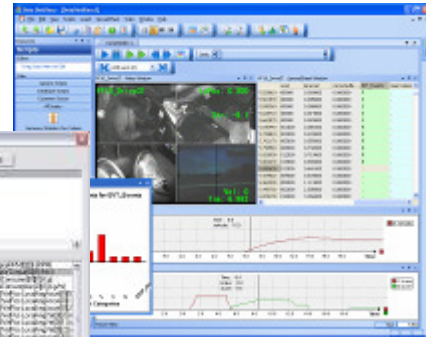
- **SimObserver**
- **Data Distillery**
- **SimPlot**



SimPlot graph comparing RPM and torque.



SimCreator plot variables interface.



Data Distillery user interface.

Virtual Proving Ground



Realtime Technologies, Inc. (RTI), specializes in real time multibody vehicle dynamics, and graphical simulation and modeling. We offer simulation software applications, consulting services, custom engineering, software, and hardware development. Realtime Technologies' customer base includes international, government and private entities. RTI was founded in 1998. For more information, visit us at [www.simcreator.com](http://www.simcreator.com).

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