

SIM ONENET

MAKING SIMULATION APPLICATIONS CONNECT, BRIDGE, AND INTEROPERATE

TYPICAL APPLICATIONS

- Network monitoring & data visualization
- Network statistics gathering
- Network scripting
- Interoperability application development

NET-CENTRIC INTEROPERABILITY SOFTWARE FOR SIMULATION

SIM OneNet™ from Presagis is a Net-Centric development and diagnostic software designed to quickly get high-performance distributed simulation environment up and running.

This Net-Centric software provides an easy-to-use, highly capable method of bridging Runtime Infrastructures (RTIs) and Federation Object Models (FOMs). In addition, SIM OneNet also builds gateways for inter-communication to legacy Distributed Interactive Simulation (DIS) applications or any network communication capable simulation application.

SIM OneNet is a singular software product that solves the problem of interoperability between disparate simulation application by allowing users to connect, bridge, and monitor different simulation applications together. Based on .NET technology, SIM OneNet can be used to make simulation applications “RTI Agile” so these applications can connect to any HLA federation using various RTIs, including Pitch, MaK, DMSO, and other popular RTIs.

SIM OneNet is not limited to HLA environments. Using the out-of-the-box protocol adapters or creating your own specific protocols adapters with the SIM OneNet developers kit, you can bridge HLA networks with DIS networks or any specific simulation communication protocol. SIM OneNet enhances interoperability of simulation by quickly integrating 3rd party tools or custom components.



SIM ONENET BENEFITS

Minimize Software Development & Maintenance

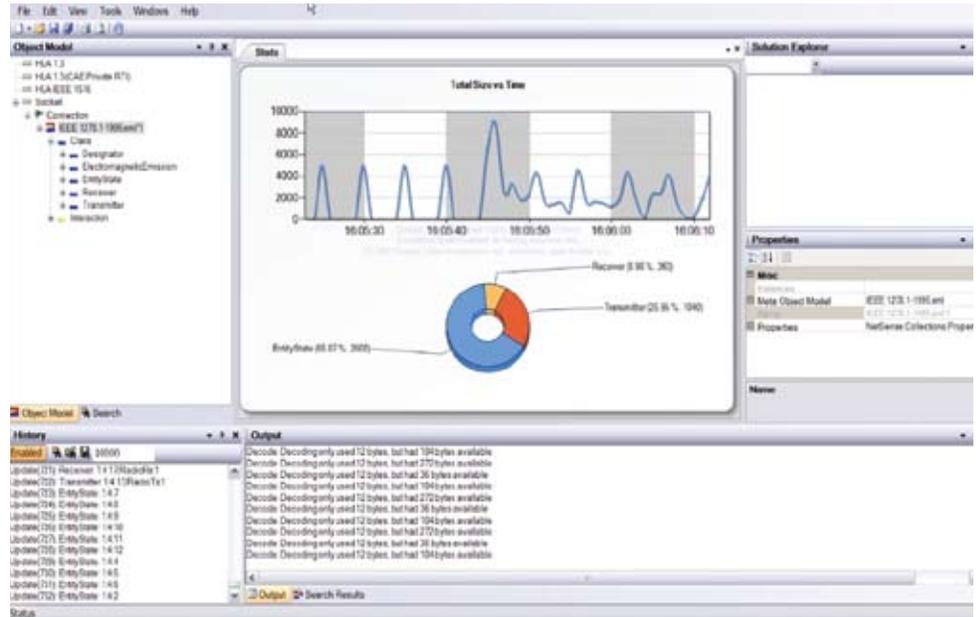
- SIM OneNet automates software development through building blocks, it creates complete software solutions and focuses on interoperability instead of software development

Promote Software Reuse

- Integrate disparate or legacy systems & devices
- Adapt to evolving object models & communication technologies

Visualize, Interact & Validate

- Verify reported data inconsistencies
- Validate data against their strongly typed definitions
- Inject new data to stimulate your systems
- Plot charts to pinpoint choke points
- Script to analyze & interact with data
- Save and reload history data in xml file format
- Out-of-the-box gateway:
 - RPR-1 to DIS 95
 - RPR-2 to DIS 98



Interoperate

- Bridge data automatically without programming
- Build full interoperability solutions
- SIM OneNet is the full development environment
- No need to duplicate developer's environment on sites
- Create reusable building blocks
- Incrementally achieve interoperability
- Interoperability solutions: DIS to / from HLA
- RTIs supported:
 - Pitch (1.3 and 1516)
 - MaK (1.3 and 1516)
 - VTC (1.3 and 1516)
 - CAE (1.3 and 1516)
- Sample:
 - DIS-to-KML converter
 - Vehicle generator
 - UI extension - web browser