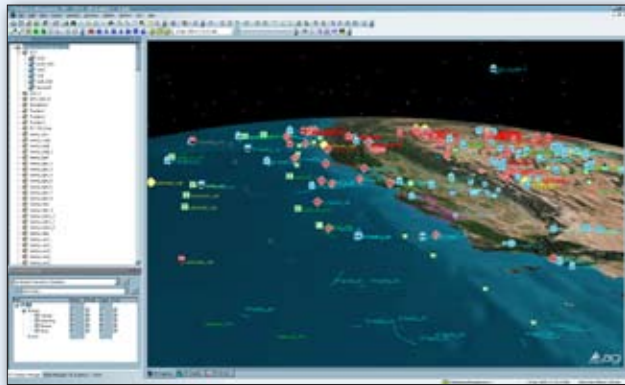


Physics-Based Analysis for Distributed Simulations



AGI delivers commercial software for the modeling and simulation market. The software addresses the complete simulation life cycle by providing analysis at any phase. Whether evaluating actions before, during or after a simulation run is complete, AGI software helps users understand the impact of decisions made in a virtual environment, increasing the simulation fidelity.



OFFLINE ANALYSIS

With stored track data from the simulation, analysts can recreate the activity for the simulation and view the operation from a wide range of perspectives including global, theater, platform and sensor. Analysts can:

- evaluate communications links and jammer modeling
- assess sensor performance and coverage
- study resource allocation and opportunity costs
- conduct battle damage assessment
- summarize reconnaissance collection
- analyze "what if" scenarios

By better understanding the overall results and performance of the simulation, more efficient and successful simulations can be performed in the future.



ONLINE ANALYSIS

In order to make simulations more representative of the real world, they need to model critical assets that are often overlooked. AGI software users can model global navigation satellite systems, GPS receivers and sensors' cameras. Through these models, navigation and sensor analysis is constantly provided to the simulation in real time. Operators can then:

- evaluate dilution of precision, navigational accuracy and predicted position
- assess tracking information factoring in position error, vital for blue force tracking
- compute sensor access and detections
- create realistic fog of war

Modeling these assets and providing this analysis to the simulation drives better, more educated human and computer decision making, leading to a higher-fidelity simulation.

STK

Enhances situational awareness by computing, depicting and understanding the spatial relationships of entities over time.

DSIM

Port DIS and HLA data feeds into STK for offline analysis including communications and jammer modeling and sensor coverage.

SIMMETRICS

Inject real-time navigation and sensor analyses into simulations through DIS and HLA protocols.

Get more info at: modsim.agi.com

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SOFTWARE FOR SPACE, DEFENSE AND INTELLIGENCE

