

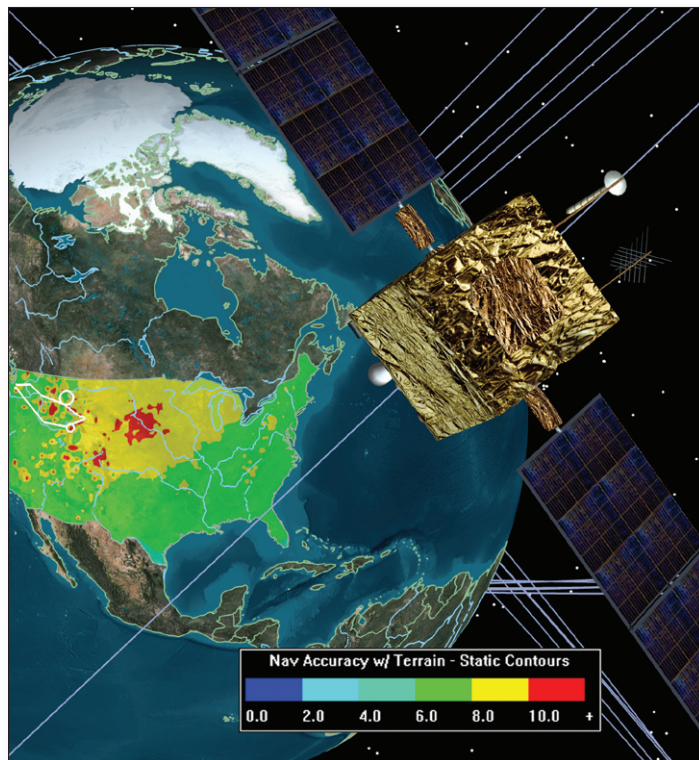
BRINGING SPACE TO THE VIRTUAL BATTLEFIELD

The use of space-based platforms as a tactical high ground for planning and conducting military, civil, and commercial operations has changed the virtual landscape for the modeling and simulation (M&S) community. AGI's Distributed Simulation (DSim) technology supports the need to model the space component while providing mission critical analysis for all entities in an M&S environment.

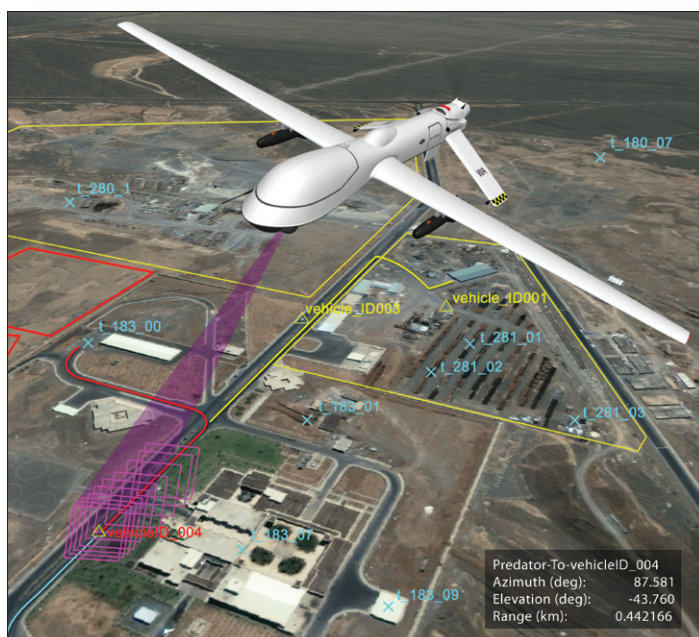
DSim uses M&K Technology's VR-Link toolkit to interact with the most common networked simulation standards such as HLA and DIS. The result is an interoperable interface that simplifies integration with M&S environments and eliminates the challenges associated with the details of low-level interfaces.

With DSim, the M&S community can:

- Model all mission components, including space-based assets, within a distributed simulation environment;
- Integrate DIS and HLA feeds between STK and M&S environments;
- Conduct mission analyses for M&S entities such as line-of-sight access, communications links, sensor coverage, and navigation accuracy;
- Automate event monitoring with alerts and other customizable actions



DSim models space-based assets such as GPS satellites in an analytical distributed simulation environment, which can then be exported to other M&S tools.



Users can import M&S assets into DSim via an IEEE-compliant DIS/HLA interface for enhanced situational awareness and analysis.

- Visualize objects created in M&S tools in a 3-D interactive environment for enhanced situational awareness;
- Determine resource allocation and opportunity cost for executing missions in different ways; and
- Conduct "what if" analyses for mission critical space assets.

An out-of-the-box COTS solution, DSim is available as an Extension to STK or as a Development Kit, which provides customizable flexibility to fit your workflow.

If you would like to learn more about the Distributed Simulation (DSim) Extension or Development Kit, please contact AGI at **1.800.220.4785** or **1.610.981.8000**, or explore www.agi.com/DSim for product details and other resources.