

## Clean Earth Technologies Selects OPNET Modeler® to Design Communication Systems for Airborne Networking

Clean Earth Technologies (CET) is a premier small business science and technology firm based in St. Louis, Missouri, that conducts state of the art R&D and test & evaluation (T&E) on military C4ISR systems and is an expert in the development and implementation of advanced communications architectures and technologies in support of network centric warfare. Northrop Grumman Corporation is a global defense and technology company whose 120,000 employees provide innovative systems, products, and solutions in information and services, electronics, aerospace, and shipbuilding to government and commercial customers worldwide. CET supports Northrop Grumman Corporation in designing airborne networking communication systems.

To ensure that mission-critical information and intelligence is readily available to the warfighter, air and ground forces must be able to communicate efficiently and reliably. CET leverages OPNET Modeler's network modeling and simulation environment to design and evaluate networks that enable robust communications on the battlefield. CET models all seven layers of the protocol stack and tests the performance of different protocols and applications over the network in software. By leveraging Modeler's extensive, open source model library, CET validates the behavior of communication devices in tactical networks such as Raytheon's Enhanced Position Location Reporting System (EPLRS).

**"OPNET Modeler's high-fidelity simulation environment lends itself easily to predictive and iterative analysis. The ability to incorporate real terrain data into the simulation enables us to optimize our network and device designs to accurately reflect battlefield conditions."**

**OPNET offers a broad family of solutions for network and application management.**

**Learn more at  
[www.opnet.com/ieec](http://www.opnet.com/ieec)**

**OPNET®**  
 Making Networks and Applications Perform®

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