



PLEXSYS

Interface Products, Inc.

For over 30 years, PLEXSYS has been a key readiness training provider to Air Force, as well as Joint and Coalition partners with a unique capability to produce the entire synthetic battlespace. This battlespace is flexible, agile and scalable in construct, including scenario design, data-link simulation and translation, full communication suites, diagnostics and after action review capabilities to monitor, record and replays entire training events.

INNOVATIVE EXERCISE AND SIMULATION SUPPORT FOR THE MODERN WORLD

Environment and Scenario Generation

Our flagship product is the Advanced Simulation Combat Operations Trainer ([ASCOT®](#)). In order to create the backbone of the battlespace environment, each instance of [ASCOT](#) supports scenario generation of 30,000 dynamic air, land, maritime, space and life-form entities, for individual, team, collective team, exercise training anywhere on the globe. The ease of use, the power of data link, smart entity logic, tactics editor and many other modules make [ASCOT](#) extremely tailorable as the foundation for any LVC training program; with reduced White Force effort.

Radio Simulation and LVC Communications

Our communication products [sonomarc®](#) and [PLEXCommVR®](#), provide the most robust distributed communications capability in the industry. [sonomarc](#) is a server-based system that supports all types of radio simulation and LVC communications. Whether supporting a single soldier, a 5th gen fighter, a multi-crew C2ISR platform, an Operations Center, or white force, [sonomarc](#) caters to all operator and instructor needs. [PLEXCommVR](#) is a stand-alone, light weight application that is DIS and HLA compatible, allowing you to talk and listen on multiple radios and nets simultaneously using any Windows or Linux OS.

Distributed After Action Review

In supporting the key and essential requirement for accurate, timely and efficient after action review, our [Enhanced Mission Record and Review System \(EMRRS\)](#) provides visually lossless compression, synchronized video audio and data recording and playback of mission activity across a LAN/WAN, with bookmark and DVR functionality, available at each location in the distributed network.

Data-Link Translation

[Direct Link Interface \(DLI\)](#) is a hardware and software solution for customers with a requirement to interface operational data link terminals and live participants with virtual or constructive participants in a simulated, virtual world. DLI performs the data-link translation, thus bridging the interactions between 1553 busses, JREAP-C and SIMPLE.



Integrated Situational Awareness

OnScene Commander is a tool designed to present mission-relevant, actionable information fostering time-critical decision making. OnScene Commander provides the ability to integrate Unmanned Aerial System (UAS) data and Personnel Accountability tracking devices on a real-time map display to effectively manage assets with unparalleled awareness. Emergency Management operations support includes wild firefighting, natural disaster response and recovery, and search and rescue support.

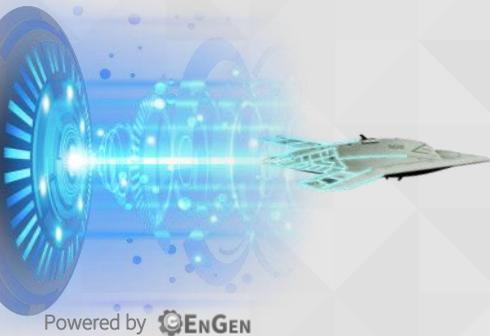
Simulation Network Traffic Analysis

DIS PDU Analyzer (DPA) logs DIS Protocol Data Units (PDU) and provides display filters, which allow users to efficiently observe, sort, and analyze simulation data. DPA allows the user to troubleshoot and analyze their simulation network traffic using easy-to-read dialogs that arrange PDU data in a logical sequence. A similar application for analyzing HLA network traffic is also available.

THE FUTURE...

A new framework in simulation operability to meet future LVC needs

PLEXSYS is focusing current development efforts towards 5th generation training and the incorporation of synthetic training into the live range environment. With that in mind, PLEXSYS developed EnGen, the next generation simulation framework. EnGen is a powerful new global simulation core, based on a framework that allows for efficient deployment, configuration and execution of various simulation modeling components. The modular design makes it easy to customize, including plug-ins necessary for future growth in both military and commercial applications.



2016



2017



2018...

PLEXSYS environment products powered by EnGen:

- ▶ **SIMWORKS** is our non-ITAR environment generator, created to meet the needs of a wide variety of simulation users
- ▶ **GLASS VIEW** is our intuitive 3D viewer
- ▶ **ASCOT NextGen**. Continuing our history of world class environment generation, ASCOT NextGen delivers constructive air, land, maritime, space, life form and cultural feature environment generation as well as scenario generation white force tools for worldwide 5th and 6th generation military applications

ENGEN has the capability to easily integrate GOTS and COTS models and databases. Powered by EnGen, the synthetic battlespace of the future will be flexible, agile, scalable and future proof.



PLEXSYS Interface Products, Inc.
4900 NW Camas Meadows Drive
Camas, WA 98607 USA
www.plexsys.com

(877) 4-PLEXSYS
(360) 838-2500
info@plexsys.com

