

Virtual Worlds for Government Applications

Forterra Systems are the leaders in providing private virtual world technology for the government/military, Intelligence, healthcare and education industries. Forterra's software and services enable organizations to train, plan, rehearse and collaborate using new media technologies integrated into a compelling 3D virtual world. Since 1998, the company has used its unique combination of experience in modeling and simulation, real-time graphics, operating systems, artificial intelligence, video game production, enterprise software and training to deliver innovative solutions for a wide variety of applications.



Forterra understands that government/military leaders are looking for technology that exploits the ubiquitous Internet which creates new capabilities for the 21st century. Government, military and national security organizations need enterprise solutions to quickly address a dynamically changing world. Forterra's virtual world technology allows agencies to rapidly develop and deploy secure, effective team environments for complex collaboration on national and global scales.

Forterra's flagship product OLIVE™ (On-Line Interactive Virtual Environment) answers these needs by providing a service-oriented, private virtual world for global collaboration, training, simulation, and planning. OLIVE is a powerful client-server based virtual world platform that connects users in real-time over a LAN, WAN, or the Internet. Within the virtual world, users are represented by realistic 3D avatars that create natural human interaction within a powerful collaboration and communication medium.

Examples of potential government/military applications of virtual worlds include:

- Mission rehearsal, cultural and setting familiarization
- Incident management exercises
- Continuity of Operations (COOP)
- Public education and outreach
- Emergency preparedness
- Tactical team training
- Information sharing
- Cultural training
- Recruiting



OLIVE provides a virtual world that has the ability to:

- Model people, places and experiences from all corners of the world
- Comply with the WGS84 geo-reference model and support real-world terrain
- Work with legacy simulations using DIS and HLA protocols
- Conduct After-Action Reviews
- Model real physics for vehicles and weapons effects
- Deploy on agency networks and integrate with enterprise systems such as IBM Sametime
- Provide client server operations for access control and content update
- Support SSL for secure collaboration
- Import standard data formats including COLLADA and 3DStudio Max to preserve government developed IP

Product Strengths

OLIVE provides a unique, collaborative virtual world capability for organizations interested in solving mission planning, rehearsal, 3D data analysis, and training challenges. Key product features include:

Private Secure Virtual Worlds

- Operate behind or through Firewalls
- Provides optimum security for sharing of proprietary information
- Ability to address data protection requirements

Superior User Experience

- 3D audio
- Engaging, realistic avatars and graphics

Reliability and Availability

- Anytime and anywhere there is a PC with connectivity
- LAN, WAN, Internet deployments

Open and Extensible Architecture

- Plug-in physiology models for clinical realism
- Medical equipment and VR interfaces
- Compatible with industry-standard 3D content development tools
- Compatible with SCORM and Learning Management Systems
- Customers and 3rd party developers can build their own solution



Forterra has invested heavily in support, training, and documentation services to provide the assistance needed for our customers and partners to achieve success. We actively develop and maintain a product roadmap derived from customer feedback to ensure OLIVE addresses the critical short and long term business needs of our clients.

About Ambient Performance

Ambient Performance is the European partner of Forterra Systems and offers a suite of services to support use of the OLIVE Virtual World platform:

- European based project support for Forterra's new Developer Programs
- Virtual world design including 3D modeling & import for rapid production of realistic locations
- Realistic avatar creation using 2D photos
- Installation, integration and engineering support for OLIVE

Real People. Real Terrain. Real Experience.

OLIVE is a trademark of Forterra Systems Inc.

To learn more about the Forterra OLIVE platform please visit: www.forterrinc.com

To learn more about Ambient and how we can help your organization please contact us as below

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