

DEFENSE & INTELLIGENCE



The ability to build, view and analyze the operational picture in a geospatial reference is critical for successful military and intelligence operations. The SkylineGlobe suite of applications provides this utility for every phase of the mission, from the real-time visualization needed for training exercises and command and control activities, to the rapid and easy-to-use tactical analysis capabilities necessary for mission execution.

BUILD PRECISE HIGH QUALITY, 3D ENVIRONMENTS

Multi-sensor data fusion combined with robust tools for collection and management of imagery, elevation, and feature layers enable the creation of photo-realistic, geographically accurate databases.

UPDATE AND DELIVER DATA RAPIDLY

With SkylineGlobe's powerful server-based applications, optimized cache mechanisms, dynamic updates, and native data streaming capabilities; massive quantities of geospatial data can be updated and published quickly for swift informed decision-making.

EXPERIENCE A FLUID, INTUITIVE 3D VISUALIZATION

SkylineGlobe works seamlessly across variable bandwidths and is not dependent on continual network connectivity. After receiving the initial scene in low-resolution, users can begin to interact with the 3D environment while higher-resolution data continues to stream in.

COLLABORATE WITH MISSION PARTNERS

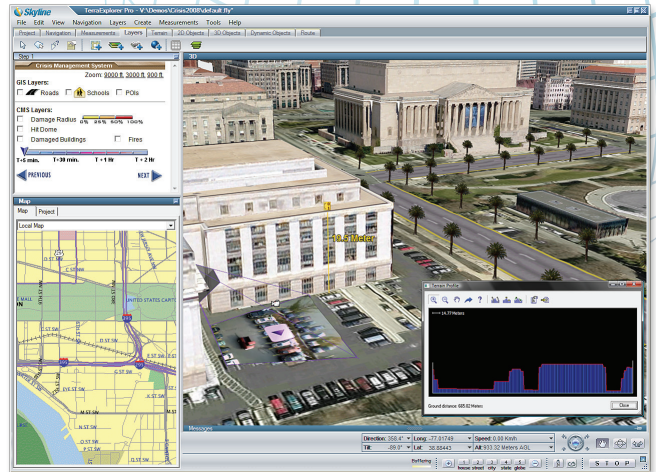
SkylineGlobe applications offer powerful and simple to use tools for collaborative analysis of data. These tools allow users to share graphics, annotations, and viewpoints, and discuss details of the mission using an integration Instant Message capability.

SHARE DATA WITH YOUR OPERATORS AND DECISION MAKERS

Skyline's open standards enable the sharing of data with any application that reads the standard OGC-compliant WFS and WMS protocols.

ANALYZE YOUR OPERATIONAL ENVIRONMENT

Advanced analysis tools enable on-the-ground defense personnel and military analysts to visualize and understand the complexities of the combat zone, even in indoor and subterranean structures.



CAPABILITIES

Powerful Server-Based Capabilities - SkylineGlobe's scalable client-server model can handle thousands of concurrent users accessing virtually unlimited sized databases.

Optimized Cache Databases - Data can be restructured into optimized cache databases, providing fast loading and efficient data streaming to multiple users.

Dynamic Updates - Dynamically and instantly update imagery and elevation data without rebuilding the entire database.

Native Data Streaming - SkylineGlobe allows users to skip the terrain and feature database creation and stream data in its native form.

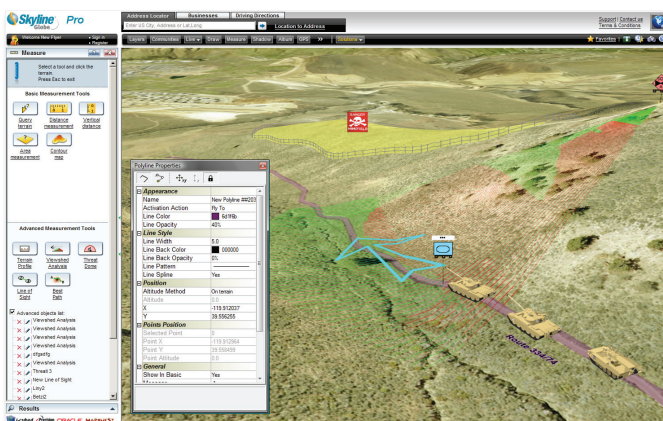
Data Fusion - Combine multiple forms of intelligence data: aerial photos, satellite images, geographic terrain information, digital elevation models, vector data, and mod-

els to create a photo-realistic 3D environment.

Open Standards - Share all map image and feature data with any application that reads the standard OGC-compliant WFS and WMS protocols. Directly load raster, elevation and feature layers from OGC-compliant WFS, WMS, and KML sources.

Wide Range of Geospatial Data - Create, import, manipulate, and edit a wide range of geospatial data:

- Raster/elevation layers
- GIS feature layers
- 2D objects
- 3D textured objects
- CAD models
- Building Models
- Dynamic objects
- Video clips / Live Video Feeds
- Point cloud models



DEFENSE APPLICATIONS

Skyline software supports all phases of Defense and Intelligence management including: Mission Planning, Rehearsal and Debriefing, Asset Tracking, Command and Control, and Intelligence Analysis.

MISSION PLANNING, REHEARSAL AND DEBRIEFING

Evaluate potential approaches to a target based on surrounding terrain, possible choke points and other critical information. TerraExplorer comes equipped with both traditional terrain analysis tools and more advanced geospatial analysis capabilities including: Line-of-Sight, Viewshed Analysis and Threat Dome. Walk troops step-by-step through 3D, photo-realistic, geographically accurate visualizations of anticipated operational situations. After a mission, accurately reenact the military operation, evaluating each progressive step and easily updating or modifying the 3D model based on new intelligence.

ASSET TRACKING

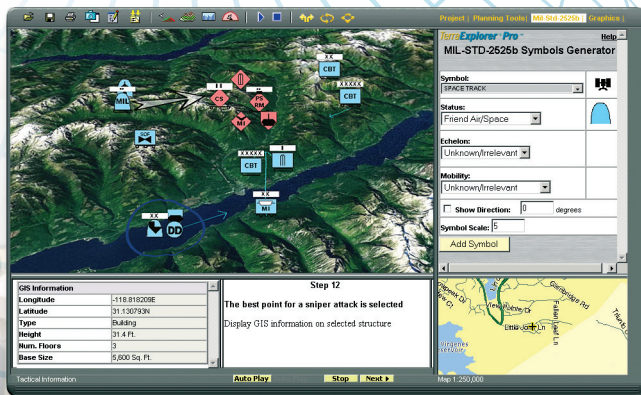
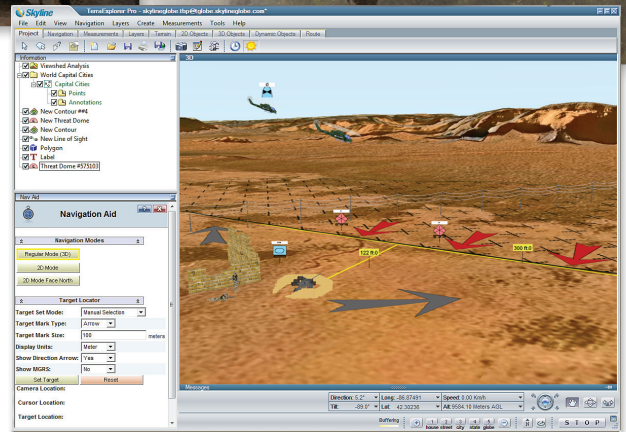
With TerraExplorer's interfaces to military specific data feeds such as Blue Force tracking, Cursor-on-Target, standard GPS feeds, and specific UAV platforms, users can view real-time information from multiple sensor sources within the relevant geospatial context.

COMMAND AND CONTROL

Vast amounts of updated imagery and elevation data can be made accessible within minutes so that deployment plans and lines of attack can be modified to reflect the latest intelligence and tactical information. View live updates as real-time data becomes available.

INTELLIGENCE ANALYSIS

Create a terrain database "on-the-fly" using the latest satellite pictures of a target area. Feature layers added to the 3D terrain, such as mine fields, utility lines and communication infrastructure further increase situational awareness.



CAPABILITIES

Accessing Enterprise Data -

Skyline directly supports a long list of file formats and server protocols, including: Shapefiles, KML/KMZ, Oracle, WFS/WMS, ArcSDE, PostgreSQL, and SQL Server 2008.

Localization - All user interface text can easily be translated into one's local language.

Indoor/Subterranean Navigation - Explore and query the interior of 3D structures or subsurface layers of your terrain.

Distributed Data Management - Fuse data on-the-fly from multiple remote servers.

GPS Sensor/Video Feed - Integrate live GPS and video sensor feed directly into the 3D environment.

Flexible Deployment Options -

Integrate your 3D environments into web or desktop applications, using either online or offline databases.

Collaboration - Study and modify a 3D environment in real-time collaboration sessions.

Customized Solutions - Develop customized 3D geospatial web or desktop applications based on Skyline-Globe technology and data:

- Robust, COM based API
- SkylineGlobe ActiveX controls
- Full API documentation and developer community
- Easy to use JavaScript classes

www.skylineglobe.com