



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



MISSION PLANNING

Walk troops step-by-step through high-resolution 3D models of operational spaces, which provide a unified and detailed landscape. Create a terrain database on-the-fly, using the latest satellite pictures of a target area. Feature and mesh layers added to the 3D terrain, such as mine fields, utility lines and communication infrastructure further increase situational awareness.



COMMAND & CONTROL

View live updates to imagery, terrain, and assets, as well as friendly and enemy forces' location information, as real-time sensor data becomes available. Vast amounts of updated 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.



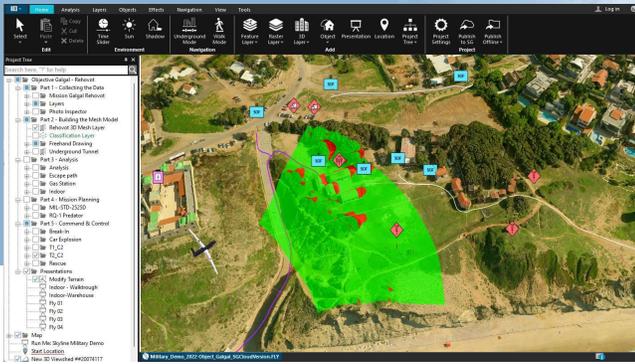
ASSET TRACKING

Analyze and track critical assets with advanced tools. With TerraExplorer's interfaces to military-specific data feeds, 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.



INTELLIGENCE ANALYSIS

Dynamically combine & analyze large amounts of data for swift, accurate assessment of an adversary's capabilities and vulnerabilities. TerraExplorer comes equipped with powerful measurement, terrain analysis, line of sight, change detection/comparison & spatial analysis tools that make it easy to extract vital intelligence from your geospatial data.



BUILD

- **3D Mapping** – Transform aerial and ground photos and Lidar collections into city-scale, digital twin models with high-quality texturing, in a range of 3D mesh and point cloud formats.
- **Photogrammetry** – Fully automated, high quality generation of multispectral true-orthophotos, Digital Surface Models (DSM) and Digital Terrain Models (DTM).
- **Scalability and Elasticity** – Share the workload of large 3D database creation between several computers and processors on your local network.

SHARE

- **Private Cloud** – The SkylineGlobe Server private cloud solution provides a comprehensive set of web services for publishing, storing, managing & streaming all your 2D and 3D geospatial content.
- **OGC Compliance** – Stream 3D mesh, point cloud, raster and feature data to any application that reads the standard OGC protocols.
- **Data Security** – Keep data safe with custom authentication, and user permissions.
- **Seamless Streaming** – SGS works seamlessly across variable bandwidths and is not dependent on continual network connectivity.
- **Rapid Delivery** – With SkylineGlobe’s optimized cache mechanisms, dynamic updates & native data streaming capabilities, massive quantities of geospatial data can be updated and published.

ANALYZE

- **Data Fusion** – Combine multiple forms of intelligence data: 3D mesh model, Lidar scanning, aerial and satellite images, digital elevation models, vector data, and models to create a photo-realistic 3D environment.
- **GPS Sensor/Video Feed** – Integrate live GPS and video sensor feed directly into the 3D environment.
- **Indoor/Subterranean Navigation** – Explore and query the interior of 3D structures or subsurface layers of your terrain.
- **Collaboration** – Collaborate with mission partners on one collaborative network. Share graphics, annotations and viewpoints and discuss details of the mission.
- **Flexible Deployment Options** – Integrate your 3D environments into web or desktop applications, using either online or offline databases.
- **Customized Solutions** – Develop customized 3D geospatial desktop, web, and mobile applications.

