

Sextant Virtual Warfighting Tool

Quotes:

"Sextant is a utility that is worth its weight in gold...This software saves lives."
GySgt Patrick Hegeman,
I MEF, USMC

"VWT is a powerful mission-planning tool providing excellent interfaces with GIS and imagery for the tactical user. As a briefing platform, VWT in many ways exceeds the capabilities and functionality of the conventional standard used throughout the military."
Sgt Michael Clements,
USMC

"The Canadian Forces Joint Imagery Centre has been using Sextant for five years, and we find it to be a great asset in supporting intelligence operations. Since 2005 we have also made it a part of our regular overseas deployment software suite, where it is used both for quick turn-around missions as well as more complex modeling tasks."
Capt MR Turk
Strategic Imagery
Intelligence
CFJIC

"VWT provides smooth, seamless transition from 2D map to a detailed 3D scene. With VWT, warfighters can walk the virtual battlefield before the shooting starts. It is an outstanding tool for the tactical decision-maker."
Dr. Douglas H. Kliman,
President,
Tactical Geographics

The Sextant Virtual Warfighting Tool (VWT) provides laptop-based, automatic 3D scene generation from geospatial and sensor data with **on-the-fly** modification as needed.

Sextant's interactive and WYSIWYG update of the 3D scene allows deployed operators to rapidly produce pre & post-mission perspectives of the AOI. Sextant allows the user to rehearse virtually for both known and *denied* areas such as those held by hostile forces or affected by a chemical or biological event.

As a fusion of geospatial technology with a visualization engine, Sextant provides constant correlation between the accurate geo-data and the dynamic 3D scene.

3D scenes can be constructed to a high level of fidelity including door swing direction, windows, interior walls, stairs, and subterranean. Digital imagery can be affixed directly to a building, door or window, further enhancing the realism of the scene. Building blueprints and other intelligence data can be utilized to achieve the desired level of accuracy.

Where does Sextant fit in?

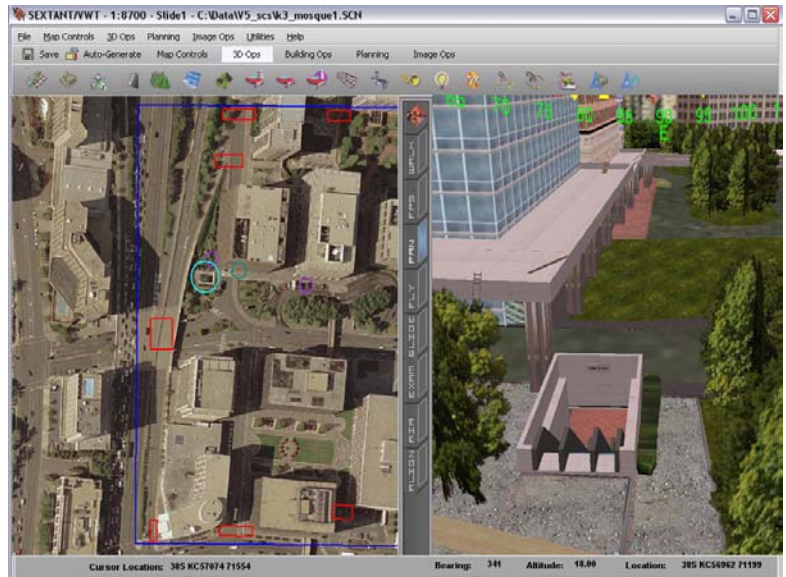
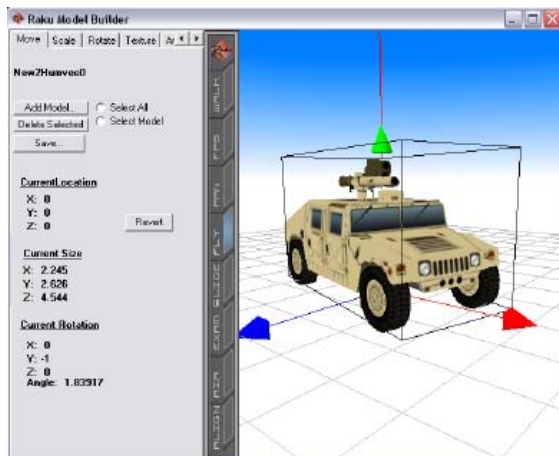
Sextant is the street-level component, a **micro-terrain** complement to Terra Explorer, FalconView, C2PC, JBV, ArcGIS, Erdas Imagine and others.

A cross-vertical tool, Sextant is in use world-wide by intelligence analysts, operational planners and topographic engineers. Years of customer driven refinement enables geo-specialist and geo-novice alike.

Designed from the outset as a laptop based urban mission planning aid, Sextant is equally at home in remote, deployed situations at the battalion echelon as it is at the joint intelligence and operation center.

New Model Editor

Sextant version 6 allows operators to change the size, color and textures of point objects like vehicles, street signs, and furniture. Enter your specifications in traditional form or work directly in 3D using the sliders and tabs to enlarge, shift or rotate your model.



Sextant VWT includes:

- Tools to create and edit geo-specific project files in rapid fashion using automatic and user-friendly processes.
- Export of 3D scenes to kml, vrml, and Terra Explorer Pro
- Import and Export shape files
- MIL-STD-2525B Symbols generated by Raku Symbol Server
- Geospatial capability to view and ingest a broad array of raster, vector, and elevation data

Technical Specifications:

- Windows XP
- DirectX 8.1 or higher
- Internet Explorer 6.0 or higher
- Pentium 4 or better
- 512 MB RAM (1 GB or more preferred)
- 3D Graphics accelerator card, 256 MB or higher