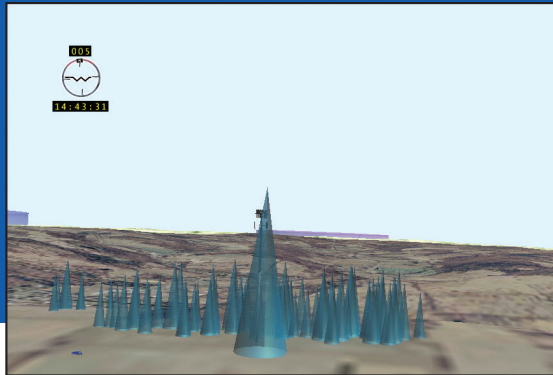


ENSCO DVE Solution



DVE solution displays customer defined shapes for real-time sensor detected obstacles.

ENSCO's DVE Solution achieves increased situational awareness in both brownout and whiteout conditions. Built on the ENSCO SVS Core, this software application enables avionics system providers to achieve a tailored solution at a fraction of the cost of internal development. Compatible with any avionics system, the ENSCO DVE Solution creates a sunny day image in all weather conditions and situations.

Advantage: Proven Cost-Effective Future Proof Solution

- Software-only application
- Platform independent
- Tailored to platform attributes and mission needs
- Sensor agnostic and extensible

Benefits

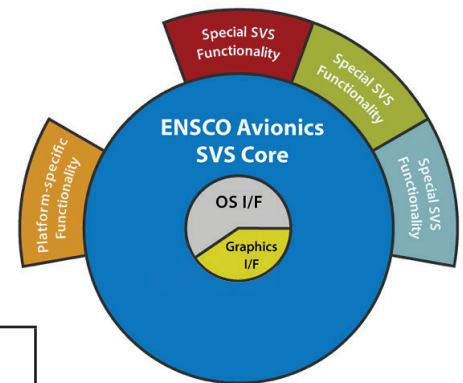
- Reduces CFIT by warning crew of proximate terrain in advance of impact
- Enables crew to maintain situational awareness during reduced visibility
- Warns crew of small cross-section hazards at oblique angles
- Affordably adds SVS functionality to avionics system
- Reduces cycle time and development costs by leveraging existing application investment when adding new sensor inputs and symbology
- Conforms with FACE™ aligned solutions

Features

- Core of advanced algorithms structured for configurability
 - Obstacle database rendering
 - High-resolution Digital Terrain Model (DTM) & Digital Surface Model (DSM) data
 - Urban feature data
 - Simultaneous display of multiple resolutions of data
 - Display objects from multiple databases and sensor inputs
 - Semi-transparent symbology allows for unobstructed view
- Interfaces with operating system of aircraft for optimal data flow
- Existing APIs handle database and sensor inputs
- Tailored DVE solution on the SVS Core



DVE solution delivers increased situational awareness to pilots, during brownout conditions generated by rotorcraft downwash. Photo credit: U.S. Navy, Naval Air Systems Command



ENSCO SVS Core Architecture

Performance Metrics/Features Summary

2-D/3-D Overlays	High-resolution Imagery: TIFF, PNG, JPEG, BMP, CIB Maps/Charts: GEOTIFF, CADRG 3-D Objects: Cultural Features, Vehicles, Obstructions, Vegetation
Elevation/Depth Data	DTED Level 0, 1, 2, other formats to 1-meter resolution and finer, DBDB-V
Terrain Display	Slope Shading, Contour Lines, Elevation Bands, Photo-texture
Symbology	MIL-STD-2525 and other tactical symbols, FAA chart symbols, other standard symbol sets, custom sets
2-D Views	North-up, Track-up, Heading-up, Free
3-D Views	Egocentric (Cockpit View) Exocentric (Wingman View) Mission Look Ahead

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