

Synthetic Vision with Real-Time Terrain Morphing

Continuing to push the limits of Synthetic Vision technology, Nav3D has developed the ability to integrate terrain ranging data into 3D displays in real time. Originally developed for Special Ops helicopter pilots, 'Real-Time Terrain Morphing' allows users to couple a scanning terrain sensor, RADAR, LIDAR, or SONAR into a synthetic vision application to detect and visualize the terrain data in real time. As the sensor sweeps over an area it reports the location of the terrain to the Synthetic Vision software. Using proprietary filtering Nav3D translates that data into images that are easily understandable.

This technology can be combined with other Nav3D Synthetic Vision capabilities such as moving maps, symbology and Highway-in-the-Sky navigation to generate a complete SV environment that validates databases and displays sensor returns in real-time.

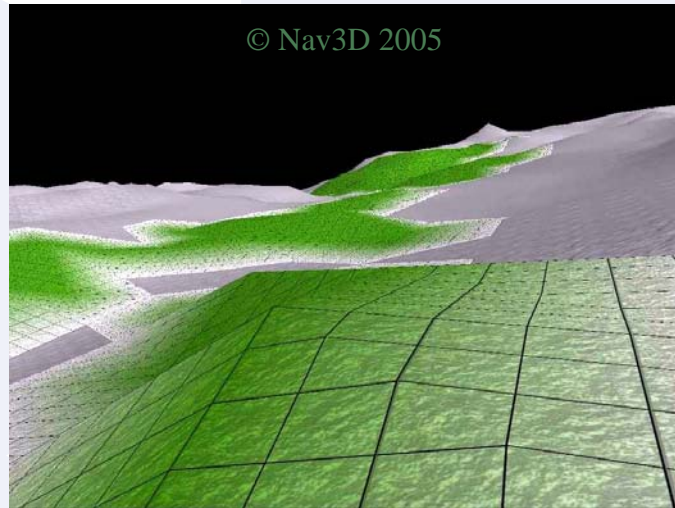
Uses:

- Low Level Terrain Following Terrain Avoidance (TF/TA) flying
- Terrain mapping
- Undersea mapping
- Synthetic Vision database validation

Contact Nav3D at info@Nav3D.com for a copy of our Real-Time Terrain Morphing video.

About Nav3D Corporation

Nav3D Corporation is an industry leader in providing Synthetic Vision technology, products, and expertise to both military and civilian customers. We work with OEM and end user partners to create innovative methods to visualize navigation and geospatial data. Nav3D's expertise includes navigation sensors, 3D graphics, and system engineering.



The image shows the terrain database in grey. Areas that have been mapped and validated by the sensor are shown in real time in green

Real Time Terrain Morphing in Synthetic Vision allows users to visualize their sensor data in an immediately intuitive format.

Users can now understand their terrain sensor data better and make better decisions with it.

Having data is valuable but understanding that data is critical for good decision-making.