

Multi-Sensor GPS Evidence Mapping System

Altus Positioning Systems has introduced a GPS-based evidence mapping system for law enforcement. This evidence mapping package includes an ikeGPS multi-sensor data-acquisition system integrated with MapScenes' Evidence Recorder custom software for evidence collection and scene mapping.

The ikeGPS multi-sensor data acquisition platform combines a GPS receiver, laser rangefinder, 3D compass and digital camera in a single ruggedised handheld device, providing a fully integrated low-cost solution for capturing geospatial data on scene. The versatile system permits the user to geolocate objects quickly and easily from a single location with the laser rangefinder and compass, using the recorder's GPS coordinates as a reference. The digital camera provides a visual reference for each object captured into the database, and the system can even calculate position coordinates for target items directly from the photographs.

Evidence Recorder from MapScenes Systems is the world's best-selling accident-scene mapping and reconstruction software. It provides a powerful package for fast and easy evidence collection with immediate visual verification of the scene map in the field.

Neil Vancans, CEO and president of Altus Positioning Systems, says that the system's remote geolocation capability provides for faster data acquisition and improved safety for officers in crime-scene or accident-scene forensic investigations. Those investigating can set up the data recorder at a convenient central location and map the exact position of all evidence items 360 degrees around it, without having to go to each item and record its position.

Vancans noted that for applications requiring higher-precision positioning, the ikeGPS device can be interfaced with Altus' APS-3 GNSS RTK survey-grade receivers for millimetre-level accuracies.