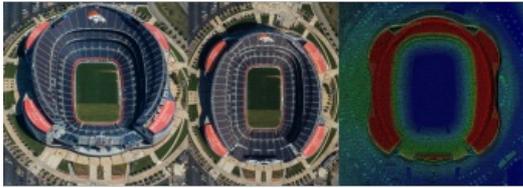


Airborne Lidar Production Fully Integrated with Leica HxMap Workflow



Leica Geosystems has released the Lidar data processing capability in the Leica RealCity solution package and partnered with international asset integrity and geo-intelligence solutions provider, Fugro, to begin acquiring and processing data over multiple cities and coastal regions across the United States.

Using CityMapper, Fugro conducted aerial surveys over some of North America's most densely populated urban centres, in support of their geospatial mapping services. As the world's first hybrid airborne sensor combining oblique and nadir imaging as well as a Lidar system into one instrument, the CityMapper enables significant time and cost savings by flying once to collect both imagery and Lidar data. All collected data can be processed in the one unified workflow solution, [Leica HxMap](#).

Fugro has a long history working with Leica sensors, because they are so reliable. CityMapper has proven no different, said Mike Wernau, Fugro program manager. The platform's superior design, coupled with HxMap, amplifies the ability to create highly accurate, feature-rich geospatial content.

Upgraded end-to-end workflow

The results of the airborne surveys were post-processed using the latest version of Leica HxMap, the unified high-performance multi-sensor workflow. Within a single and familiar interface common to processing other airborne sensors, all typical data products, from orthophotos and oblique images to point clouds, 3D meshes and models, can be quickly and efficiently produced.

The added enhancements enable users to work more efficiently while saving on training and IT costs, said Belai Beshah, vice president software, Leica Geosystems, Geospatial Solutions Division.

The latest update of the common-sensor post-processing software sees the addition of Lidar point cloud generation, calibration, strip matching and viewing to the current image processing capability. HxMap version 2.2 also incorporates enhanced noise filtering for both CityMapper and Leica SPL100 single-photon Lidar sensors.

HxMap v2.2 is extremely powerful, as it establishes a single environment to process the CityMapper oblique and nadir imagery, point cloud and terrain data all at once, said Wernau. The products derived from the Leica RealCity workflow serve as the foundation for Fugro's land and property solutions, delivering real value to customers in state and local government, insurance, and land-use management.