

Capturing Oblique Imagery and Lidar in One Flyover



Leica Geosystems has launched Leica CityMapper as part of the RealCity 3D reality capture solution, enabling professionals to collect and process imaging and Lidar data in a single sensor. Combining CityMapper and Leica HxMap, the scalable post-processing workflow software, RealCity is designed to simplify and streamline the creation of all 2D and 3D information layers.

The merging of sensors and software enables professionals to generate the most comprehensive geospatial base layer in just one flight. Professionals are able to efficiently produce all the conventional 2D and 3D information layers, from orthophotos and oblique images to point clouds, 3D meshes, and 3D models.

CityMapper captures imagery and Lidar data, enabling users to produce rich information, said Anders Ekelund, vice-president for airborne Lidar at Leica Geosystems. Users can now save significant time and cost by flying once to collect twice the data as before.

Mapping for SmartCities

In fast changing urban environments, the need for a geospatial base layer goes beyond traditional data that requires regular updates. This is especially true in SmartCity applications where authorities need highly accurate and current detailed information, such as elevation models, vegetation growth and land use, for faster and better informed decision making.

Eliminating the need for multiple sensors, RealCity allows a high data throughput to provide rapid updates. With intuitive end- to-end workflow in just one software interface to produce all data sets, post-processing is accomplished significantly faster, easier and more efficiently.

For more information about the CityMapper [see here](#).

[Click here](#) to learn more about the RealCity solution.

Video: Leica RealCity. a comprehensive solution developed to meet the demands of urban mapping professionals

