HxMap
Unified high-performance multisensor workflow

- when it has to be **right**

Leica **Geosystems**

HxMap – Fastest, most intuitive post-processing workflow for airborne sensors

The increased need for up-to-date geospatial information requires a new approach to data processing: rapid updates over large areas in the shortest possible time. HxMap, the high-performance workflow for airborne sensors, offers a fast, intuitive and efficient post-processing platform that allows you to generate all airborne data products within one single interface.

Combined data acquisition & processing

To reach highest efficiency, post-processing has been tightly integrated with data acquisition. HxMap can be enabled for individual sensor types. For flexible production, scalable and application-specific software modules are bundled with the matching hardware. RealWorld is designed for large area airborne imaging projects, whilst RealTerrain provides a complete solution for large area LiDAR mapping and RealCity supports you with your smart city and 3D city modelling applications.

■ **SAVING YOU TIME & COSTS**

Manage your data in just one intuitive user interface to produce any airborne data product and don't waste time transferring data or training staff between software.

■ **UNPRECEDENTED DATA THROUGHPUT**

Take advantage of the industry's fastest data throughput and process any amount of data more efficiently in one single post-processing software.

■ **EASILY ADAPTABLE TO YOUR NEEDS**

Create a personal post-processing workflow with this flexible and modular platform that can be customised to your specific application needs by adding software licenses only when you need them.

HxMap bundles by application

RealWorld	RealCity	RealTerrain
RCD30 DMC III	CityMapper RCD30 Oblique	SPL100
HxMap	HxMap	HxMap

Standard workflow modules

= Standard ◻ = Optional

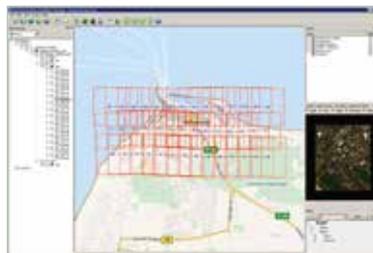| Sensor Type	RealCity CityMapper RCD30 Oblique	RealWorld RCD30 DMC III	RealTerrain SPL100
Enabler Enabler, Workflow Manager, Projection Engine	■	■	■
Provider Ingest, Raw QC	■	■	■
Core Image APM, AT, Infocloud, Ortho Generator, Ortho Mosaic	■	■	■
Core LiDAR AutoCalibration, Point Cloud Registration, Color Encoding, Data Metrics	■	◻	■
3D Modeller Basic City Modeller, Texture Mapper, 3D Editor	■	◻	◻
3D Modeller Advanced Building Finder, 3D Mesh	◻	◻	◻
SDK Developer's Kit	◻	◻	◻

How does HxMap work?

Starting from data download, raw QC to basic data management, HxMap intuitively guides you through the processing steps based on the input data. HxMap offers embedded aerial triangulation and a solution for large oblique projects, country-wide orthophoto projects, or small and large area LiDAR projects and corridor mapping alike.

The HxMap product generator creates the SmartBase, allowing all data products to be generated by the push of a button: referenced images, orthophotos, info clouds, intensity and colourised point clouds and in the near future large orthophoto mosaics.
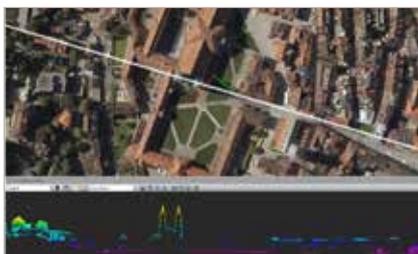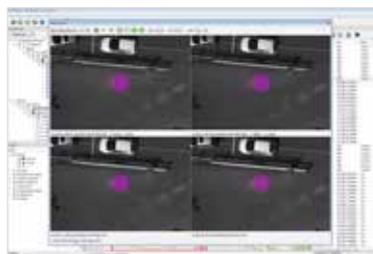

Workflow Manager

Raw QC

Ingest

LiDAR Module

Aerial Triangulation

3D Modeller Building Generation

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Swiss Technology
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Leica RealCity
Airborne reality capture

Leica CityMapper
More information, smarter decisions

Leica SPL100
Highest efficiency over large areas

Leica DMC III
Breaking new ground. Always.

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