

# HxMap

Unified high-performance  
multisensor workflow



- when it has to be **right**



# 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, while 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 & COST

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

### ■ 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 as you need them.

## HxMap bundles by application



RCD30



DMC III



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CityMapper



RCD30 Oblique



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TerrainMapper






SPL100



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## Standard workflow modules

■ = Standard □ = Optional

	 <b>RealCity</b>	 <b>RealWorld</b>	 <b>RealTerrain</b>
Sensor Type <sup>1</sup>	CityMapper RCD30 Oblique	RCD30 DMC III	TerrainMapper SPL100
<b>Enabler</b> Enabler	■	■	■
<b>Provider</b> Ingest, Raw QC, Workflow Manager, Point Cloud Generator, Projection Engine	■	■	■
<b>Core Image</b> APM, Aerial Triangulation, InfoCloud, Ortho Generator	■	■	■
<b>Core LiDAR</b> AutoCalibration, Registration, Color Encoding, Data Metrics, LiDAR QC	■	□	■
<b>3D Modeller</b> City Modeller, Texture Mapper, 3D Editor, Building Finder	■	□	□
<b>SDK</b> Developer's Kit	□	□	□

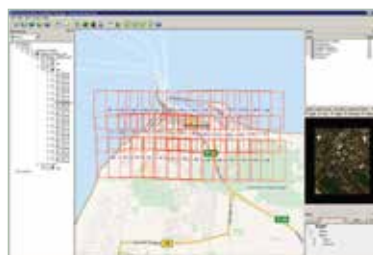
## How does HxMap work?

Starting from data download, raw QC to basic data management, HxMap intuitively guides you through the processing steps based on the input data type. HxMap offers embedded aerial triangulation and a solution for large oblique imaging 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 at the push of a button – referenced images, orthophotos, info clouds, intensity and coloured point clouds, and, in the near future, large orthophoto mosaics.



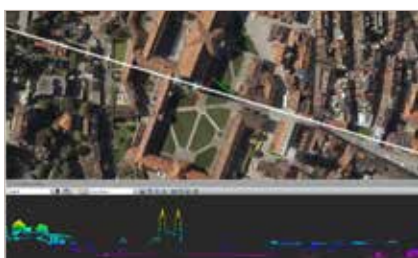
Workflow Manager



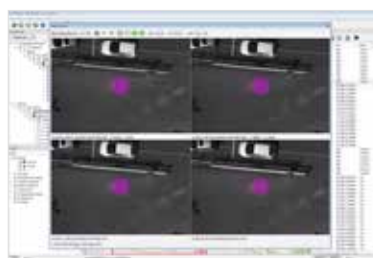
Raw QC



Ingest



LiDAR Module



Aerial Triangulation



3D Modeller Building Generation

<sup>1</sup> Leica ALS series support in HxMap RealTerrain workflow coming soon.

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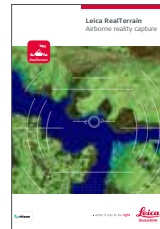
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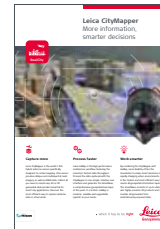
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**Leica RealCity**  
 Airborne reality capture



**Leica RealTerrain**  
 Airborne reality capture



**Leica SPL100**  
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 smarter decisions



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