HxMap
Unified high-performance multisensor workflow
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.

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 colourised point clouds, and, in the near future, large orthophoto mosaics.
**HxMap Solution Bundles**

<table>
<thead>
<tr>
<th>Sensor Type</th>
<th>RealCity</th>
<th>RealWorld</th>
<th>RealTerrain</th>
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<tbody>
<tr>
<td>CityMapper (all generations)</td>
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<td>ContentMapper</td>
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<td>DMC-4</td>
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<tr>
<td>TerrainMapper (all generations) with camera</td>
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<tr>
<td>TerrainMapper without camera</td>
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<td>SPL100</td>
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**Enabler Module**

- Provider Module
  - Ingest, Raw QC, Workflow Manager, Point Cloud Generator, Projection Engine

- Core Imaging Module
  - APM, Aerial Triangulation, InfoCloud, Ortho Generator

- Core LiDAR Module
  - AutoCalibration, Registration, Colour Encoding, Data Metrics, LiDAR QC

- 3D Modeller Module
  - City Modeller, Texture Mapper, 3D Editor, Building Finder

- Sold with hardware

- □ = Required module
- ■ = Included in bundle
- □ = Optional & not included in bundle
- N/A = Not applicable

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**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.
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