



Software suite for GIS data production

Transverse

Field and GIS data fusion

Productive

Multi-thematic projects management

Practical

GIS layers import, edition, creation and export

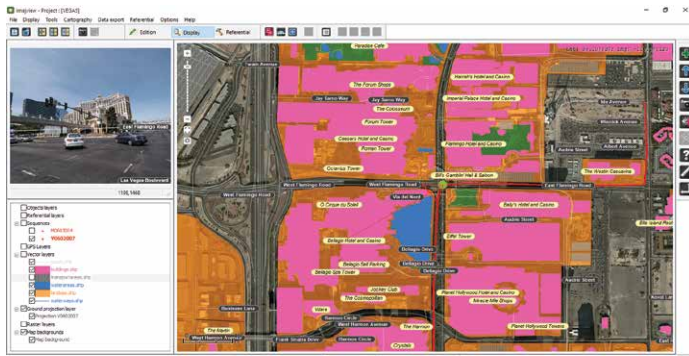
Autonomous

Neither additional software nor internet connection required

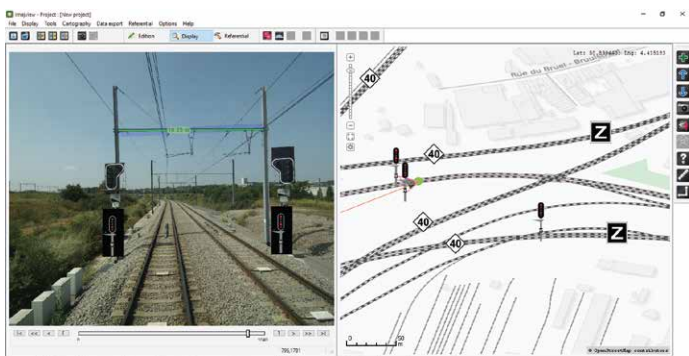
imajview is a **photogrammetric software suite developed to extract GIS data from imajbox surveys.** imajview synchronizes field images with any map content. An integrated **photogrammetric tool** enables to **extract 3D coordinates and qualify objects** with a customizable GIS data model. imajview provides flexibility and efficiency for any GIS project.

imajview is used for the following applications:

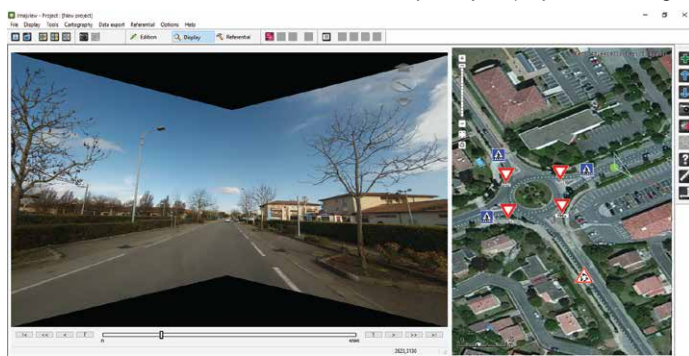
- Asset inventory
- Transportation network studies
- Mapping and GIS
- Linear Referencing System construction (LRS)
- Work control and monitoring
- Change detection



Cartographic layers overlapping



Object layers projection in images



Objects layers edition and update

IMAJVIEW TOOLS

Field viewing tool

Navigate into transportation network's surveys
 Import and overlap existing GIS data layers with map background and field surveys.
 Get a clear and comfortable cartographic representation.
 Perform 3D measurements with a photogrammetric tool.

Editing tool

Edit topology of vector layers, either in the imajview GIS part or directly in images with a photogrammetric tool.

Production tool

Digitize the environment.
 Edit and create GIS layers.
 Qualify, measure and position objects in 3D in images.
 Create and navigate into the Linear Referencing System (kilometric post+distance).

Perform multi-thematic projects combining display configuration, customized symbology, GIS layers and Linear Referencing System.

imajview was developed to ensure a great efficiency for GIS data processing :

- Simplify and automate many GIS tasks
- Display a clear and readable interface which can be configured
- Use and create short cuts and automation
- Select features via thumbnails

FEATURES

Existing data import

Import

- imajbox® surveys (track line, images, panoramic reconstruction)
- On the fly reprojected vector layers (shape, shape M, shape Z, dxf, geodatabase, kml, osm, tab, spatial database connector -ODBC compatible, edigeo)
- Raster layers (geo-tiff, ecw)
- WMS client
- OpenStreetMap background map
- External sensor data (csv, iex)

GIS data processing

Data edition and extraction

- Imported vector layers fusionned with images and map
- 3D GIS layers (points, lines, polygons) from images
- Linear Referencing System (LRS)
- Calibrated ground orthophoto

3D measurements

Photogrammetric tool enabling features 3D measurements (width, height, length, surface) with a centimetric accuracy

Features qualification

- Families
- Attributes
- Values

GIS data model fully customizable according to the project and needs

Deliverables

Export

- Geo-referenced feature layers (points, lines, polygons)
- Imajbox® images
- Linear Referencing System (LRS)

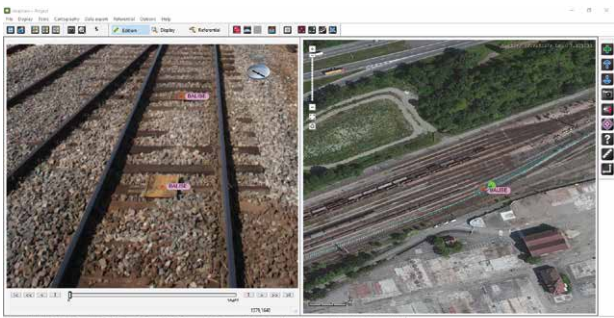
In various formats

Shape, shape M, shape Z, csv, gpx, kml, png and jpg

Online publication

- Linear Referencing System (LRS)
- imajbox® surveys

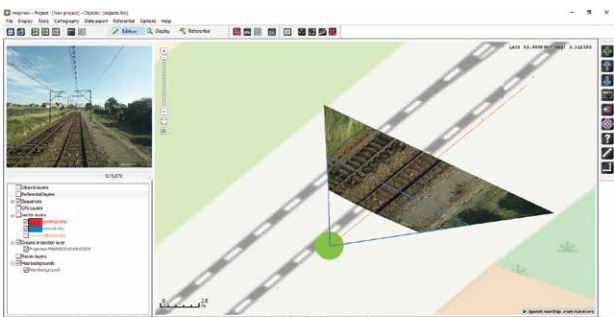
Into the imajnet® web service for online data sharing and integration to GIS applications



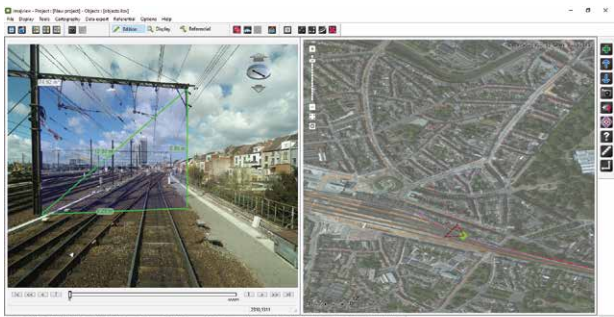
Zooming in details



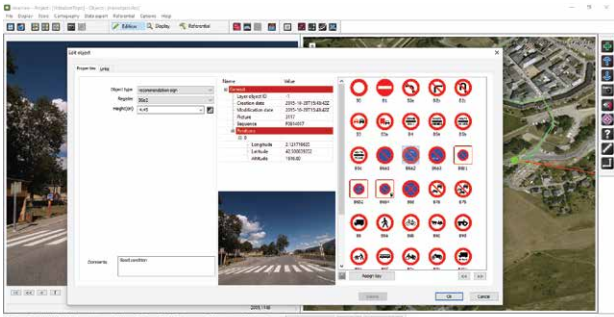
GIS layers projection



Ground rectified orthophoto projection



3D measurements



Features qualification from customized data model

TECHNICAL SPECIFICATIONS

Operating system

- Windows® XP (32 bits), Vista, Seven, 8, 10 (32 and 64 bits)

Minimal requirements

- 4 GB RAM
- Core i3

	Field viewing tool	Editing tool	Production tool
imajview Process	✓	✓	✓
imajview Nav	✓		