imajview

www.imajing.eu

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 produce 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 data production 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

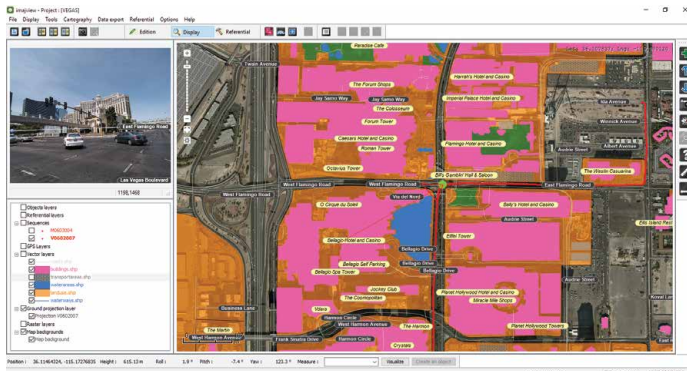Objects layers edition and update

IMAJVIEW TOOLS

Field viewing tool

Navigate into images.
Import external data layers and analyse your GIS environment.
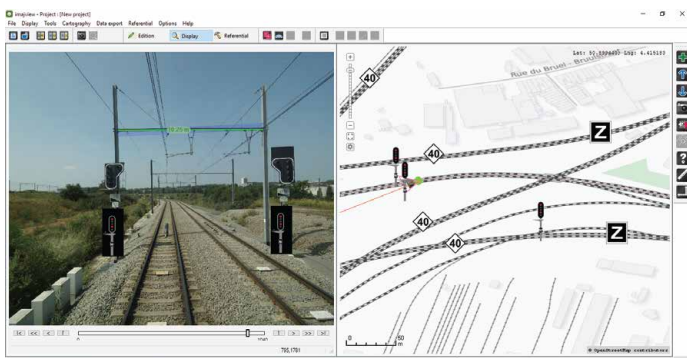Get a clear and confortable cartographic representation.
Perform 3D measurements.

Editing tool

Edit topology of any imported or created vector layers, either in the imajview GIS part or directly in images.
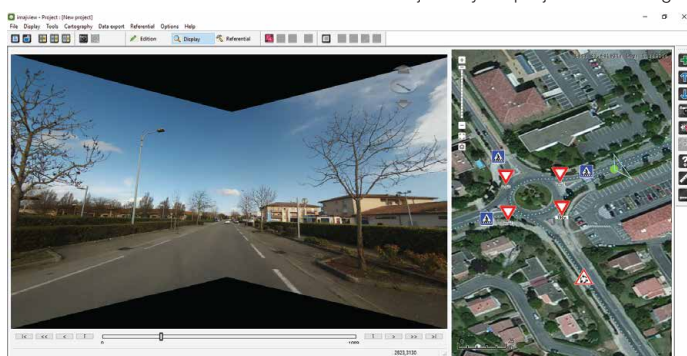
Production tool

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.

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

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

- 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

Zooming in details

GIS layers projection

Ground rectified orthophoto projection

3D measurements

Features qualification from customized data model

Existing data import into imajview

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)

Data processing into imajview

Edition and creation

- 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, lenght, surface) with a centimetric accuracy

Objects qualification

- Families
- Attributes
- Values

GIS data model fully customizable according to the project and needs

imajview data end-use

Data export

- Geo-referenced objetcs layers (points, lines, polygons)
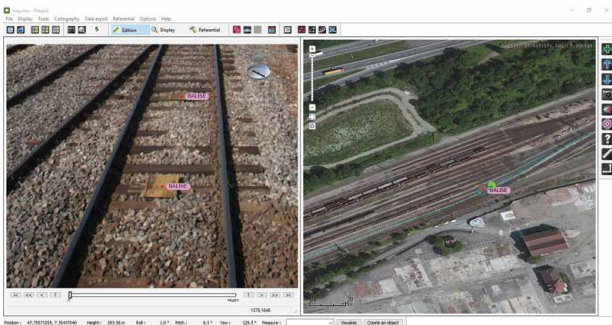- Images
- Linear Referencing System (LRS)

In various formats
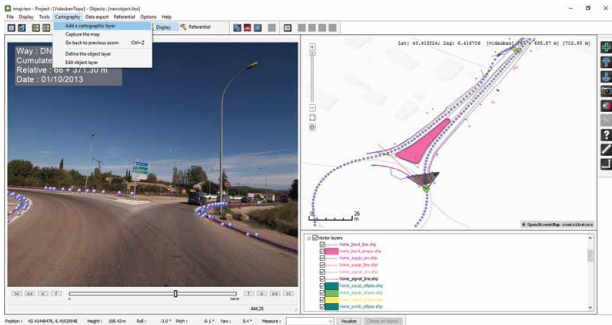Shape, shape M, shape Z, csv, gpx, kml, png and jpg

Online publication

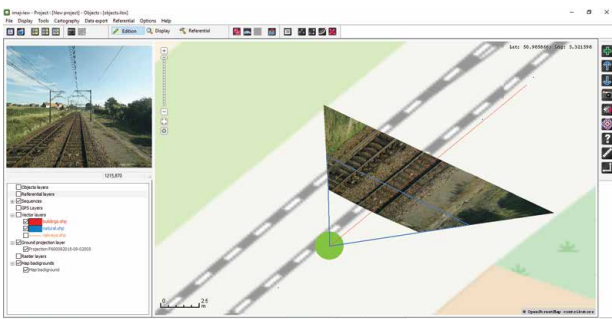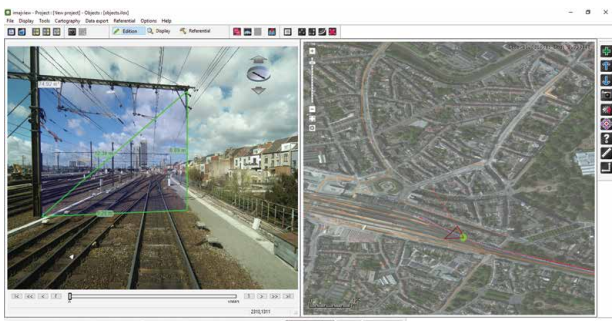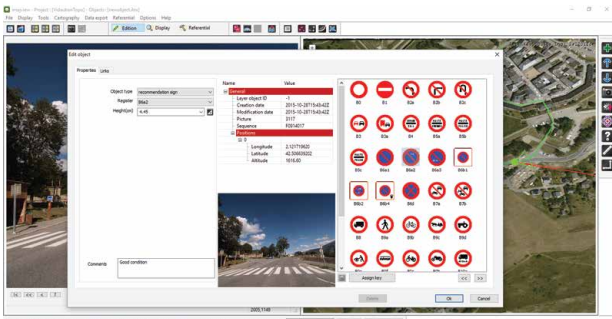- Linear Referencing System (LRS)
- imajbox® surveys

Into the imajnet® web service for online data sharing

■— TECHNICAL SPECIFICATIONS ■■■

Operating system

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

Minimal requirements

- 4 GB RAM
- Core 2duo / Core i3

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

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