imajview®

Software suite for GIS data production

PRESENTATION

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.

TRANSVERSE
Field images and GIS data fusion.

PRODUCTIVE
Multi-thematic projects management.
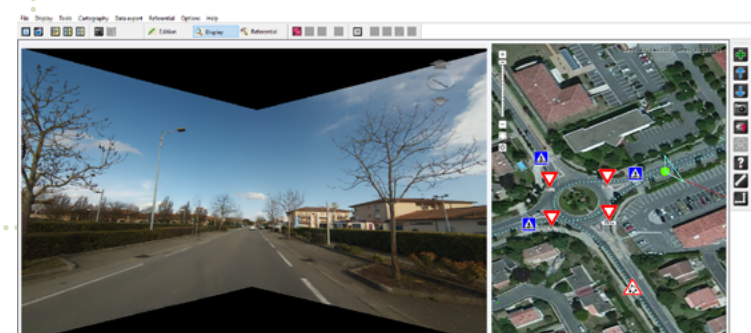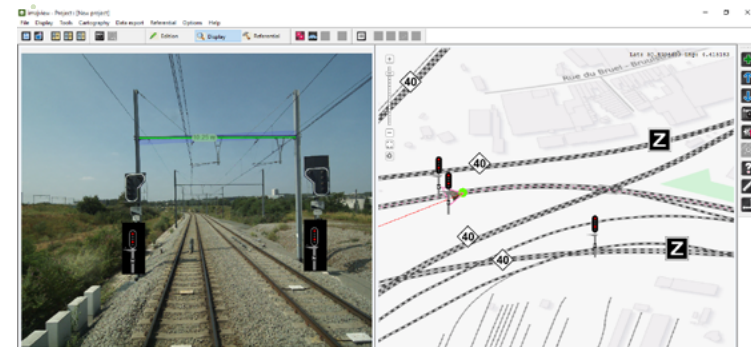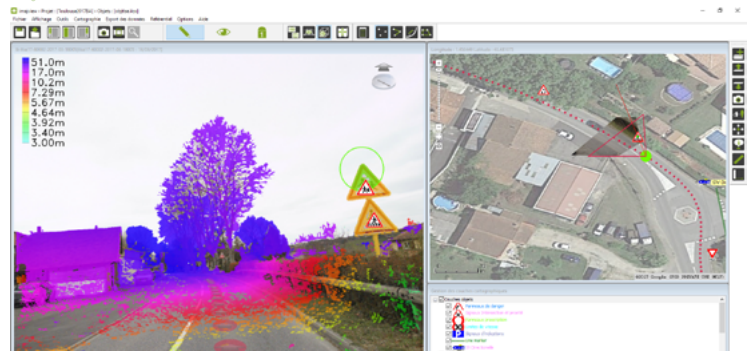
PRACTICAL
GIS layers import, processing and export.

STANDALONE

Applications :

- Asset inventory and GIS
- Transportation network conditions
- Linear Referencing System construction (LRS)
- Work control and monitoring

TOOLS

Viewing

- **Navigate** into surveys. **Search** by coordinates or LRS.
- **Import** existing GIS data layers and **overlap** with map background and field surveys.
- **Measure** on map and in images.

Edition and Production

- **Digitize** the environment.
- **Edit** and **create** GIS layers from images or map.
- **Qualify**, **measure** and position objects in 3D.
- **Create** a Linear Referencing System (kilometric post + distance).

	FIELD VIEWING TOOL	EDITING TOOL	PRODUCTION TOOL
imajview® process	●	●	●
imajview® Nav	●		

SOKCON *Services*

imajing
www.imajing.eu

imajview®

Software suite for GIS data production

→ EXISTING DATA IMPORT

- **imajbox® surveys** (trackline, 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 1.1 and 1.3.**
- **OpenStreetMap background map.**
- **External sensor data** (csv, iex).

→ DELIVERABLES

Export

- **Geo-referenced feature layers** (points, lines, polygons).
- **imajbox® images.**
- **Linear Referencing System :** in various formats : shape, shape M, shape Z, csv, gpx, kml, png and jpg.
- **Points clouds with imajing 3D Pro.**

Online publication

- **Linear Referencing system** (LRS).
- **imajbox® surveys**.

→ GIS DATA PROCESSING

Data edition and extraction

- **Imported vector layers** merged with images and map.
- **3D GIS layers** (points, lines, polygons) from images.
  Every created feature can be fully attributed with a GIS data model fully customizable according to the project needs
- **Linear Referencing System** (LRS).
- **Calibrated ground orthophoto**.

3D measurements

Enabling features 3D measurements (width, height, lenght, surface) with a centimetric accuracy.
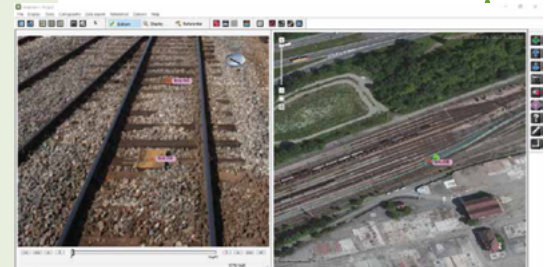
→ ADVANCED FEATURES

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

- Simplify and automate many GIS tasks.
- Configure a clear and readable interface.
- Create shortcuts and automation.
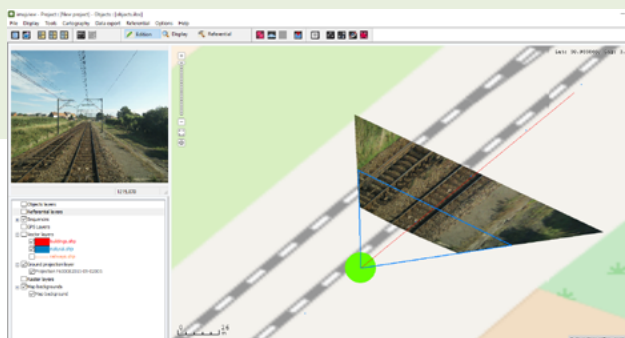- Select features via thumbnails.

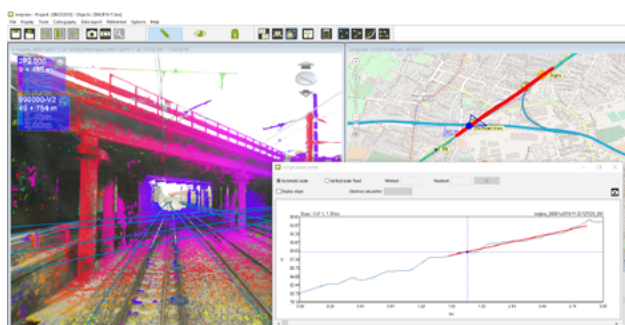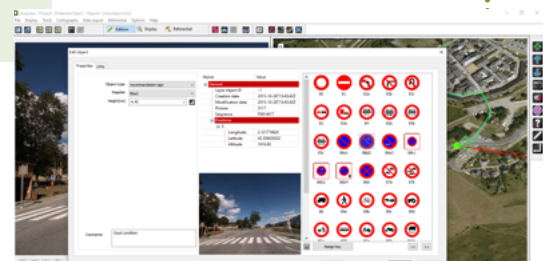*Cartographic layers overlapping*

Zooming in details

GIS layers projection

Ground rectified orthophoto projection

Features qualification from customized data model

Longitudinal profile

→ TECHNICAL SPECIFICATIONS

Operating system
Windows XP (32 bits), Vista, Seven, 8, 10 (32 and 64 bits).

Minimal requirements
- 4 GB RAM
- Core i3/i5

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