imajnet®

www.imajing.eu

3D enabled field level imagery web service

Transverse
Serves every departments within an organization
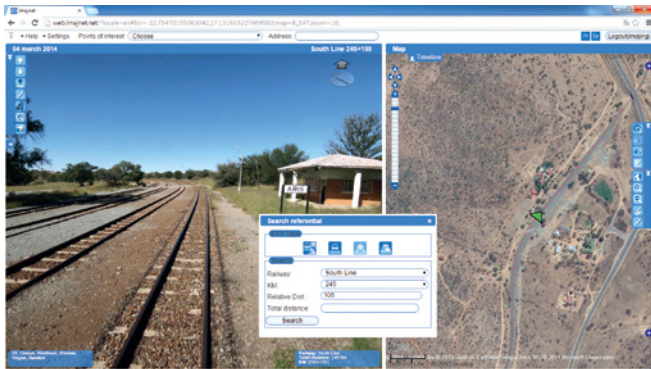
Pervasive
Integrates spatial data in any application
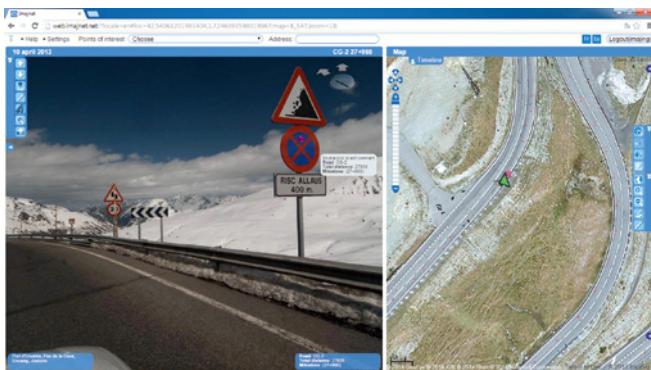
Available
Gives access to field data anytime and anywhere

All-dimension
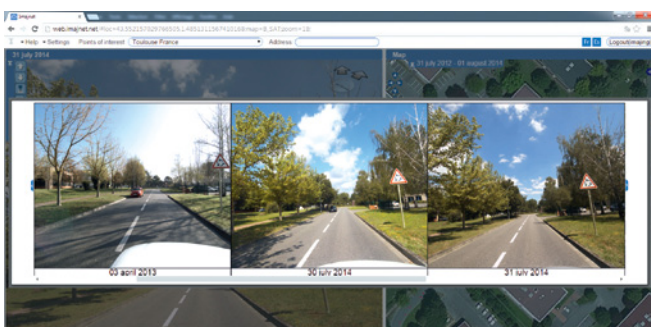Enables time and space navigation

LRS searching

3D positioning

3D measurements

Timeline navigation

imajnet® is a web service publishing high quality corridor images from imajbox® surveys. It enables to navigate online into images, perform 3D object measurements and geo-referencing. Through imajview software, the Linear Referencing System of any survey can be published into the web service.

Such published surveys are consumed into several client applications or plug-in, serving different kinds of users and needs.

imajnet® enables to virtually access to a transportation network by centralizing all the data :

- Publish and share surveys and field images
- Supply web GIS solution with interactive field imagery
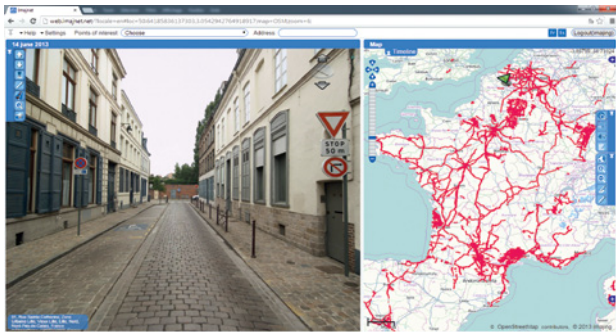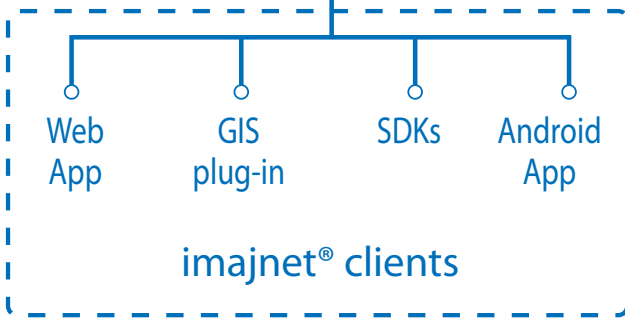- Feed GIS with 3D field data and measures picked in images

Applications

imajnet® is used for various objectives :
- Up-to-date data uploading and sharing
- online collaboration
- Change detection
- Linear Referencing System (LRS) searching
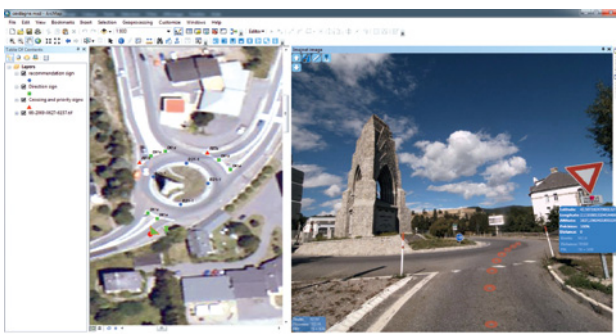- Network visual control and monitoring

Service features

imajnet® web service enables to access many functionalities which can be perform in images and in the map component :
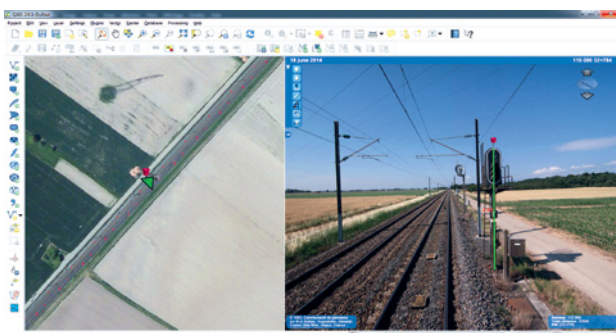- Closest image searching
- Specific point of view searching
- Photogrametric 3D measurements and positioning of any visible element in images
- Timeline navigation – navigation in a same location at different period of time
- Geographical coordinates conversion into Linear Referencing System, and reverse on the fly
- Multiple angles of view navigation

imajnet® clients

Model of use

imajnet® works under the following model :

- A dedicated space and a management interface for the administrator to upload, publish and remove surveys, edit users profil, control statistics and manage the linear referencing system.
- All the data hosted on one of imajing cloud servers, according to the region in the world
- A set of imajnet client – web app, GIS plug-in, web service, android app – for any user and any purpose

Imajnet users

For any audience – Off-the-shelf web application

imajnet® web app is an easy way to use imajnet® web service by browsing web.imajnet.net, and using all the features freely. OpenStreetMap is available as a background map or other suppliers according to subscription.

imajnet® web app

For GIS users – GIS plug-in

Plug-in are available to integrate imajnet® web service into ArcGIS/ESRI, Geomedia/Intergraph, QGIS and soon AutoCAD Map/Autodesk GIS applications.

ESRI - ArcGis® plug-in

For developers and integrators – SDKs

JavaScript and .NET components are two high level components available to quickly integrate imajnet® web service into any web or desktop existing application.

For field operations – Android App

imajnet® LRS compas is a smart Android application running on any 3G phone having a GPS. The application connects to imajnet® Linear Referencing System to compute in real time, on the field, the current location into LRS coordinate system.

QGis - QGis® plug-in

WHAT WOULD IMAJNET BRING TO YOUR ORGANISATION ?

imajnet® is a all-in-one service providing flexibility and simplicity

imajnet® enables to browse hundreds of thousands of km of survey on large territories

imajnet® can serve any existing application

imajnet® connects GIS to reallity