

Range of application of infra3D service

The power spectrum of infra3D covers the demand of different infrastructure-guarantors. The service is used in many different infrastructure applications.

Administration of construction

- Simple surveys, virtual on-site inspections
- Road condition assessment

GIS-data capturing

- Efficient acquisition of the road signalization
- Tree cadastre

Civil engineering

- Surveys through building inspection
- Visualization of facade textures for planning purposes
- Visualization of minimum space

Police traffic service

- Sight distance
- Traffic situations (crossroad-situations)
- Markings / Signalizations

Civil service - Maintenance

- Snow clearance / Cleaning
- Planning operation

Partners and Engineers

- Acquisition of basis data
- Project work / digital elevation models (DEM)
- Cross sections / point clouds

Our infra3D services:

- infra3DLocal
- infra3DCity
- infra3DRoad
- infra3DRail
- infra3DEngineering



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May 2017



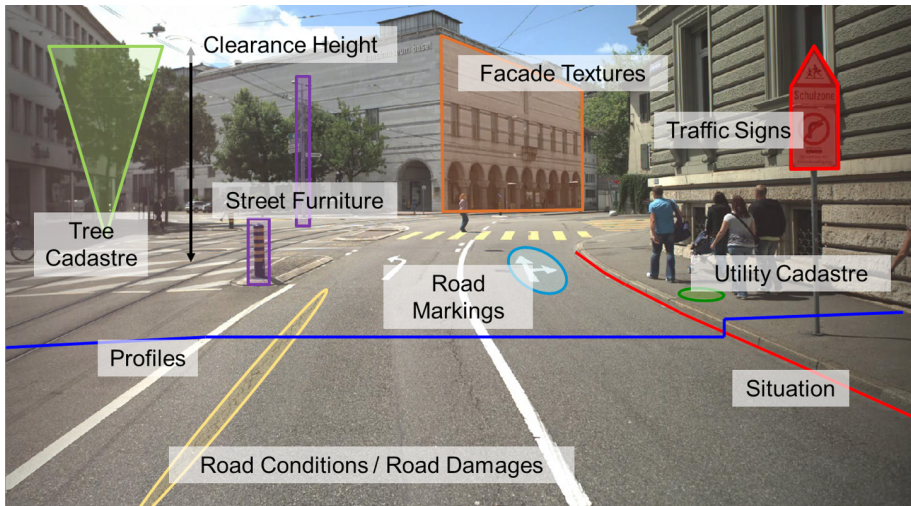
iNovitas
Be on site



infra3D service

Be on site without actually being there!

infra3D service provides a highly detailed and accurate 3D representation of road and rail corridors directly on your workstation. Infrastructure operators can analyze, visualize, map and measure accurately their roads or railway tracks without disrupting the traffic. As a result, significant increase in efficiency and therefore cost savings are generated.



As being on site: Thanks to the diversity of accurate information, the digital representation of road corridor within infra3D service offers a wide range of applications conveniently from your workplace or via mobile use.

Analysis of the infrastructure, as if you were on site



The infra3D service supports you as an infrastructure manager in your daily business and provides you georeferenced, high-resolution 3D images, wherever you are. The permanently available road corridor data, offers you an optimal basis to evaluate, plan and realize infrastructure projects efficiently and accurately.

Efficient acquisition and analysis of geodata



The accurate digital imagery of infrastructure facilities provides you with comprehensive information regarding road corridors and enables efficient analyzes and wide range of applications directly from your workplace. Various analysis and evaluations can be performed, such as, road surfacing, cross sections, markings, signalizations, furnishing or minimum space etc. Any distances, areas and coordinates can be directly measured through the web client. Additionally, geodata can be measured, checked,

updated and tracked situationally. These exact georeferenced online-surveys as well as assessments of infrastructure conditions can reduce the amount of on-site inspections by 50 %.

Combinable with existing GIS & CAD's



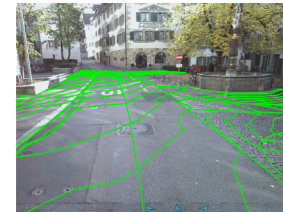
The infra3D service can also be combined effortlessly with existing GIS or CAD solutions. Particular geo data can be displayed in its actual context through in infra3D service. The open system architecture offers a variety of options and possibilities, to accurately and efficiently overlay, present and use all relevant data and information between different systems.

Simple communication and planning tool



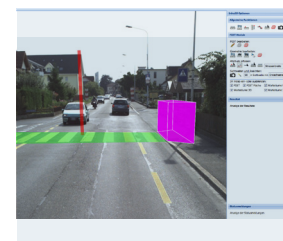
The infra3D service is a cloud-based web application and permits individually defined and password-protected access rights. The digital 3D image data can at any time be made available to a specific user group. Through the virtual field survey from your workstation, specific evaluations, analysis and planning work can be performed within the project group and with all involved authorities.

Accurate basis data for simple project planning



Through the additional project-specific optimization of the georeferenced accuracy of a road section, the infra3D service can easily be used for precise construction project work and planning, while on-site (field) surveying is no longer necessary. This enables enormous cost savings for every project. The relevant information can be quickly and precisely gathered directly through the infra3D service.

Customizing of the application module with Web-SDK



Thanks to the open infra3D Web-SDK, customized developments of the webclient can be considered as well. The infra3D service can easily be integrated into a third party system. Additionally a specific business application can be realized.

(For example: Pedestrian crossing – application module for the canton of Argovia, Switzerland)