

# infra3D Service

Be on site



iNovitas

3D, highly accurate & cloud based

## Infrastructure platform for professionals

Many work processes, in particular maintenance management and operational maintenance of your infrastructure systems require a wide range of spatial data and various information. Personal field inspections are not only time-consuming and cost-intensive but occasionally also dangerous. Depending on the situation, road closures are also necessary, which disturbs the traffic flow and causes additional work and costs.



It was never easier to...

analyze

visualize

measure

plan

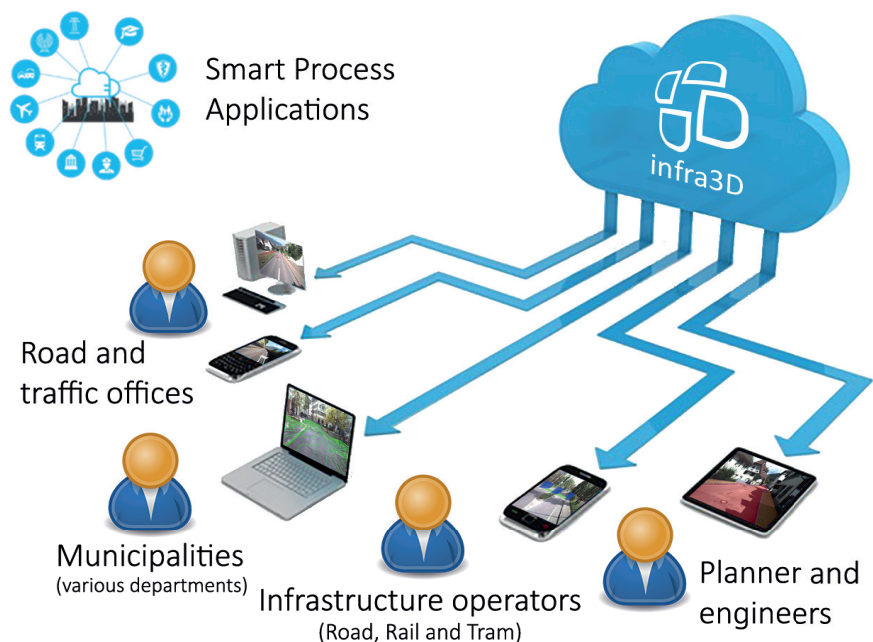
map

## infra3D Service as an optimal solution

The infra3D service enables you to collect this data efficiently and flexibly, directly from your work place. Our self-developed and cloud-based infrastructure platform provides a detailed and highly accurate (georeferenced) 3D-representation of road and rail infrastructure corridors directly on workplace. As a result, time-consuming and dangerous field inspections as well as hardware expenses belong to the past.

Your advantages:

- increase productivity
- reduce costs
- mitigate risks



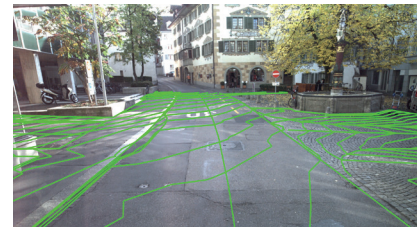
With infra3D you are comfortably on site and very well-informed without being there physically!

## Benefits:

- Conserving resources: reduce on-site inspections and surveying.
- Promoting safety: precise data capturing, measurements and analyses directly at the workplace - without significant interruption of traffic.
- Benefit from added value: overlay of various geodata, information and projects in a real context.
- Improve and simplify communication: improved collaboration in project teams and various committees, simplified data transfer, etc.

## Applications:

- Building construction and civil engineering: project planning, determination of object data, virtual inspections, assessment of construction application, checking of limit distances, overlay of facade textures etc.
- Geodata visualization: display of the line data with technical data.
- Asset management & maintenance: updating of utilities data including their locations, condition and other attributes.
- Inventory & mapping (GIS data): utility holes, hydrants, street lighting, signalling etc.
- Interaction with any existing GI system (import and export of e. g. objects, surfaces, lines, points etc.).
- Traffic and maintenance services: visual ranges (visibility), signs, traffic situations, precise information for work preparation.
- Road excavation cadastre (representation of the areas with appropriate technical data).
- Smart collection of planning data: terrain models, surveying, cross profiles, point cloud etc.
- 3D project visualization / project planning



Be on site with infra3D and save time & money and work safe!

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Thanks to infra3DRoad that provides the fundamental data for project planning, our cost saving is about 30 %. Alongside the reduction of about 30 % for field surveys, decisive added value is delivered by the additional information about the road space thanks to 3D images. And all of that with maximum occupational safety and without disturbing the traffic.

**Thomas Humbel**

Head of GIS/Basic Data, Canton of Aargau

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The visualization of the road space directly in infra3D webclient reduces the cost of capturing the street furniture and monitoring the road conditions by about 30-50 %. Also about 30% of all surveys can be done virtually, which saves a huge amount of time and money. In all areas, infra3DCity can vastly improve communication and cooperation. We would do it again right away!

**Karl Linggi**

Head of Civil Engineering, City of Zug

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infra3D - the high-resolution technology of iNovitas AG allows infrastructure managers to be on site without actually being there. Coordinates, distances and areas can be determined and measured accurately directly from the 3D-images- a successful example of Industry 4.0.

**Theo Martin**

Chief Editor BLICKPUNKT KMU (Swiss Business Magazine)

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Please contact us, we would be pleased to meet you for a free presentation.

We are on the road worldwide...



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