



Maps of RSRG

The WebGIS for infrastructure projects – simple, visual, collaborative

Product description

Maps of RSRG is a web-based GIS platform specifically developed for infrastructure projects in the railway sector.

The WebGIS enables project teams to easily display information such as plans, photos, installation sites and BIM models in a georeferenced and location-based format.

Thanks to the intuitive user interface, the entire project team can collaborate with minimal training – like Google Maps, but tailored to the specific project.

This transforms documents scattered across different locations into a centralised, easy-to-understand and up-to-date basis for decision-making.

Our services

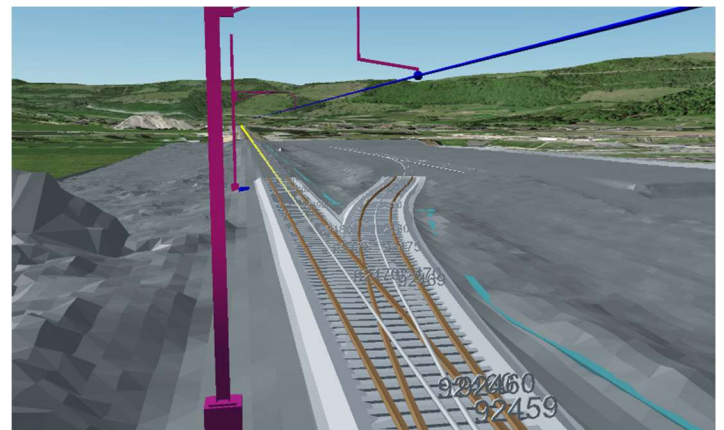
- Provision and operation of the WebGIS for your infrastructure project
- Preparation of planning data, aerial imagery and background information
- Support and consulting for project implementation in GIS and BIM
- Training and technical support for your project team
- Continuous development of functionalities

Your benefits

- Browser-based application that can be used on any device
- Access BIM models, plans, orthophotos and other data within the same environment
- Find information where it is created – on the map, not in a folder
- Your entire team can collaborate, not just specialists
- Your stakeholders can be easily involved – without software barriers
- Save time on coordination and avoid misunderstandings

Contact

Digital Rail Services
 drs.ch@rsrg.com
 +41 43 322 23 23



Our Maps of RSRG services in detail

Maps of RSRG is as easy to use as a map app. Everyone involved in the project – from the client to the site foreman – can capture, display or edit information directly on the map without any specialised GIS knowledge. This makes collaboration within the project team significantly easier, while ensuring that everyone works with the same up-to-date data.

An easy entry into the digital world thanks to our digital solutions:

- Digital project visualisation
- 3D Viewer
- Drone imagery from the construction site
- Planning of site installations and logistics

Digital project visualisation - all relevant data at a glance

We bring your planning documents, geographical information and external specialist data together on one screen – clearly structured, up to date and location-based. You benefit from:

- A simple overview of long, linear construction sections
- Geolocation during site inspections – visible live on the map and directly on the planning documents
- Integration of external data sources such as groundwater protection zones, protection perimeters, contaminated sites or utility cadastres
- Simple visualisation of site installations for communication with the public, municipalities and authorities
- The option to display planned/actual comparisons, status information and photographic documentation directly within the project context
- Available without installation on any modern PC, tablet or smartphone

3D Viewer

3D geometries and BIM models (e.g. in IFC format) are increasingly being used in railway and infrastructure projects. Maps of RSRG includes a fully featured 3D Viewer that allows complex models to be displayed directly in the browser – without additional software. The viewer supports IFC models, alignment geometries, tiled models and GeoJSON data.

For the project team, this means:

- You can understand the current planning status spatially and visually
- All specialist models can be combined and compared within the same environment
- 3D models become accessible to the entire team – not just specialists

Drone imagery from the construction site

Maps of RSRG supports the integration of image data from drone flights and automated drone surveys – ideal for the construction phase.

- High-resolution aerial imagery is made available in the system at short notice
- Project management receives visual information on construction progress, quality assurance and safety
- As railway professionals, we provide targeted analyses – visual, location-based and easy to understand

Planning of site installations and logistics

With Maps of RSRG, you can plan construction site installations directly on the map – to scale and in a transparent, traceable way.

- Planning of site installations by selecting and positioning typical installation elements such as containers, cranes, lighting or distribution boxes – with fixed geometry and operating radius
- Space requirements are calculated automatically; PDF printouts and tabular overviews support land acquisition and communication
- For logistics planning, rail-bound vehicle formations can be visualised – including length, weight, timing and direction of movement
- Conflicts such as excessive lengths or temporal overlaps are directly visible in the system

