



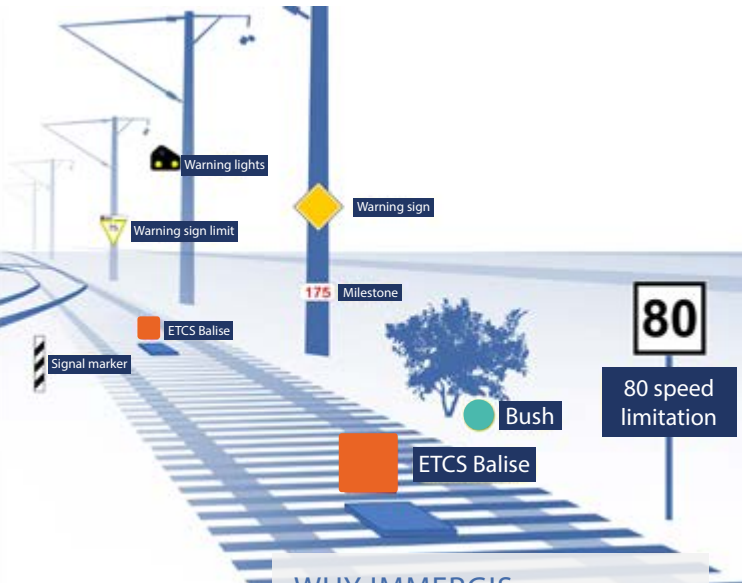
Support and consulting services for rail asset management

| Rail Survey | Asset Inventory | Immersive View | Maintenance Programme | Consulting |

OVERVIEW

Immergis supports organisations such as public authorities, concessionaries and construction companies for a global network management.

Our team of GIS experts provides services tailored to suit rail asset management needs from rail survey, asset inventory, GIS database & visual condition to maintenance programmes and rail asset management web solution.



WHY IMMERGIS

- Nationwide rail infrastructure mapping capacity
- Flexible and immediate intervention
- Experience on all network types: rail, road, rural tracks, bike trail, paths, waterways, etc.

SERVICES FOR RAIL ASSET MANAGEMENT



Immergis brings **flexibility** and **adaptability** to support rail infrastructure managers by maintaining an up-to-date knowledge of the infrastructure:

- Overview of your **current rail cartography**
- **Visual condition** of your rail assets
- Prioritisation and optimization of **rail maintenance investments**
- Implementation of a simple and effective **rail management** process.

Immergis' professional services are available on demand and tailored according to the organisation's requirements, existing GIS data & available management tools:

RAIL SURVEY



Immergis collects network's geographic information by conducting large-scale and high-speed surveys, with our portable and adaptable mobile mapping system Imajbox®:

- **Statewide surveys:** rail surveying on entire territories and regions
- **High definition and accurate images collection:** 3D immersive and geo-localised viewing for field visual inspection
- **Pre- and post- works surveys**

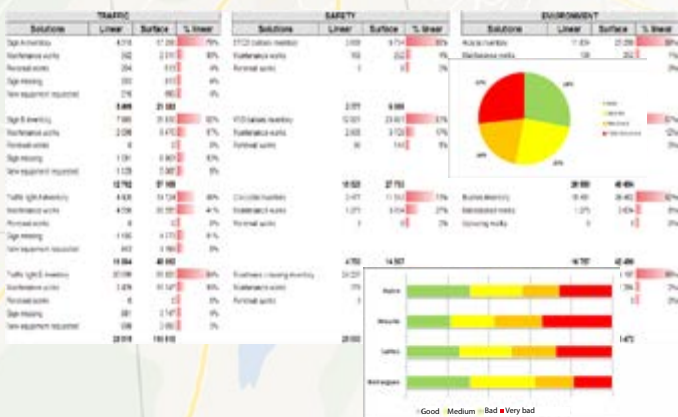
Deliverables:

- ✓ Images database of your entire network
- ✓ Updated maps with milestones (LRS - Linear Referencing System).

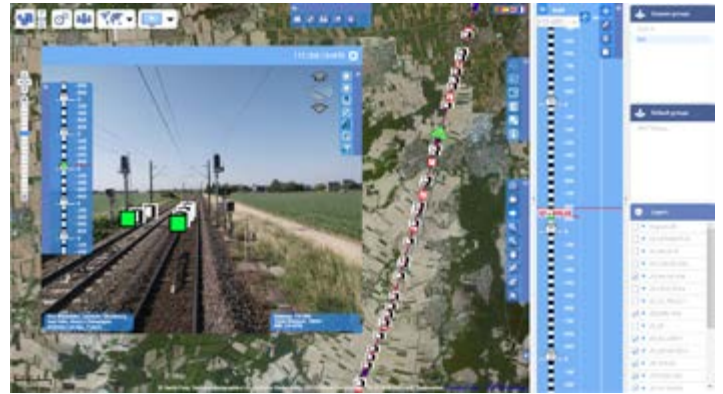
AUDIT AND CONSULTING

Immergis supports infrastructure managers with:

- Existing rail management process & rail database audit
- Support for global rail management tool implementation
- GIS training
- Personalised services according to your requirements.



ASSET INVENTORY



Immergis inventories all network's assets and defines attributes according to requirements:



INFRASTRUCTURE

- Catenaries referencing
- Railway platform audit:
 - geometry
 - pathway for pedestrians
 - accessibility for person with reduced mobility
 - inventory of platform furnitures
 - etc.



TRAFFIC

- Signs
- Light signals
- Signal boards



SECURITY EQUIPMENT

- Balises
- Crocodiles
- Level crossings
- Switches

ENVIRONMENT

- Vegetation

Deliverables:

- ✓ Cartography and localisation of all your railways in geographical or linear coordinates
- ✓ Inventory of rail assets
- ✓ Visual condition assessment