

Galigeo helps the Swiss Federal Roads Office to Optimize Road Infrastructure Management

The Client

The Swiss Federal Roads Office (FEDRO) was established in 1998 as Switzerland's federal authority responsible for road infrastructure and private road transport. It belongs to the Federal Department of the Environment, Transport, Energy and Communications (DETEC), and focuses on securing sustainable and safe mobility on the country's roads.

The Challenge

Synchronized data provided by BI and GIS systems to provide an effective reporting tool for traffic management.

FEDRO has hundreds of sensors along its road network tracking the number of vehicles, the average speed, the traffic jams etc. It implies to manage on the one hand large data marts (BI) and on the other hand a very complex Geographic Information System (GIS). The challenge is then to be able to have both systems synchronized. This is a

very complex challenge since when you display a list of sensors in a BI report (especially when they are as abstracted as XYU252 or WVG354). It is not really easy to visualize their proximity. As a consequence, 2 sensors giving you negative feedbacks can be considered in a BI report as 2 different and isolated problems instead of a unique one due to the topography of the field.

The Solution

As a result of years of experience, Galigeo is able to offer relevant solutions for Organizations managing infrastructure networks (Roads, Rails, Telecoms, Energy, Water...). Galigeo can draw on the disparate data sources underlying most data investigations and provide overall reporting for internal and public consumption. For the FEDRO, Galigeo has implemented a location intelligence solution that allow the client to visualize traffic, roadwork and accidents areas at a glance.

The Result

The client now has powerful software that allows a better traffic management. Thanks to the Galigeo software solution, the client has a clear view of its infrastructure and he is now able to identify the weak points in the existing motorway network. The solution also allowed the client to efficiently measure the performance of the existing motorway network and to reduce maintenance costs. go from diagnostics to action. The information provided is use anticipate traffic jams and risky areas.

About Galigeo

Since 2001, Galigeo has been providing value-added software solutions in Geospatial Business Intelligence. By combining geographical dimensions with existing data from business intelligence applications, Galigeo enables organizations to gain critical insights from enhanced Business Analytics.

Contact

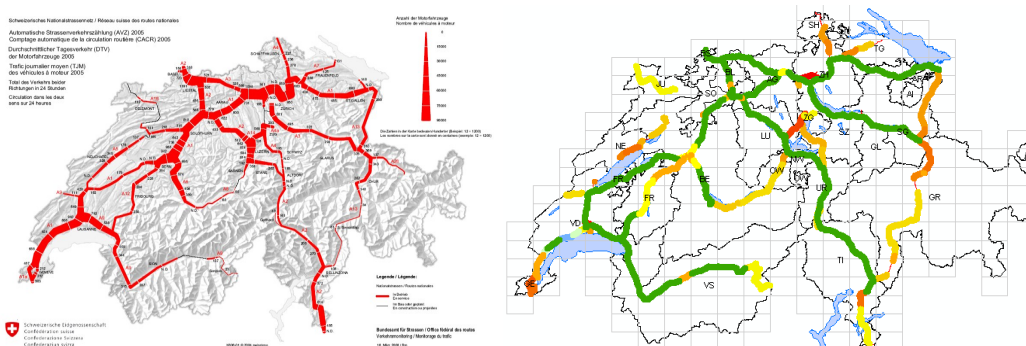
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Galigeo is a real option to visualize traffic evolution in a single view.

Galigeo is also able to show hot spots and critical accidental areas.



Technology Description

Features	Key Benefits
Business Intelligence Add-in	Geographic add-in embedded in the portal of the main Business Intelligence tools such as SAP Business Objects, IBM Cognos, and Microsoft, etc.
Dynamic and Interactive Map	Dynamically includes a map linked to business data either directly in reports as a complement to tables and charts or as an interactive map viewer. The latter offers advanced navigation and spatial query features (a buffer and included points, etc.).
Geographic Dashboard	Stand-alone Web cartographic portal for viewing, analyzing, and querying business data.
BI-Mapping Bidirectional Link	Unique, dynamic integration solution between the mapping and BI systems.
Distribution	Print or export to PDF or to your MS Office applications the formatted reports and maps with legends.
Full Web Solution	Web architecture for creating and viewing reports and maps.
API	FLEX API lets you include its functionality in your applications while preserving your graphic charter and all its features.
SOA Architecture	Built on a reliable, robust, and proven J2EE service-oriented architecture.

Our Clients

Galigeo is trusted by some of the world's largest companies and governmental organizations.

Our Partners

Our partnerships strengthen our ability to help our clients achieve superior performance.



Cognos.
software

Microsoft



NAVTEQ

Business Benefits

Reveal Hidden Information

When your Business Intelligence data is displayed on a map, it is easier to identify hidden trends, relationships and behaviors.

Make Better Decisions

When you know the answers it is easier to make the right decisions. Galigeo enables you to isolate key data based on its spatial location and create geography specific reports.

Work from anywhere

Galigeo provides a web user interface so you can work from anywhere in the world, with anyone, on the latest version of your data.

Use your current software

Galigeo enhances your current BI and GIS tools. It leverages your existing data repositories so there is no need for duplication of data.