



Spatial Business Intelligence Beyond Geography

The Client

STX Europe is an international shipbuilding group which aims to be the leading builder of cruise and offshore vessels. The group has a strong position in terms of developing state-of-the-art concepts, technology, processes and products for customers around the world. STX Europe AS comprises 6 shipyards in Finland, France and Norway in addition to 9 shipyards belonging to STX OSV Holdings Limited. STX Europe has circa 16,000 employees. STX Europe's principal shareholder, the international industrial group STX, has circa 54 000 employees, and aims to be a global top player in its core areas; shipping and trade, shipbuilding and machineries, plant and construction, and energy.



The Challenge

STX Europe builds very complex vessels requiring the assembly of tens of thousands of parts themselves aggregated in building units. The design and construction of a vessel can take months and mandates the chronological tracking of building units for quality compliance. Quality inspectors constantly review the construction process and report their findings through a specific application with reporting based on SAP BusinessObjects. This information guides engineers and shipyard workers to plan and execute corrective actions. However the challenge is to have a spatial view of the interrelation between units, in other words, match R&D Micro Station designed shapes with SAP quality indicators. Without a central map-like view, communication between management, quality inspectors and engineers breaks down hindering construction progress and adding costs. One of the workarounds was to extract data from each system to manually create a

The Solution

Galigeo, after a 5-day proof of concept project, convinced STX to implement WEBIGEO to automate the daily generation of the ship's quality map-like view. As mentioned M. Martins, in charge of Quality Applications, "the color-coded compliance rate which is mapped onto the vessel's evolving silhouette, helps users to make decisions faster and more easily". The so generated reports help focus quality controls actions and naturally increase managers' fault correction reactivity. Management, R&D teams, engineering and quality controllers are fully and continuously aligned on the augmentation of quality performance.

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

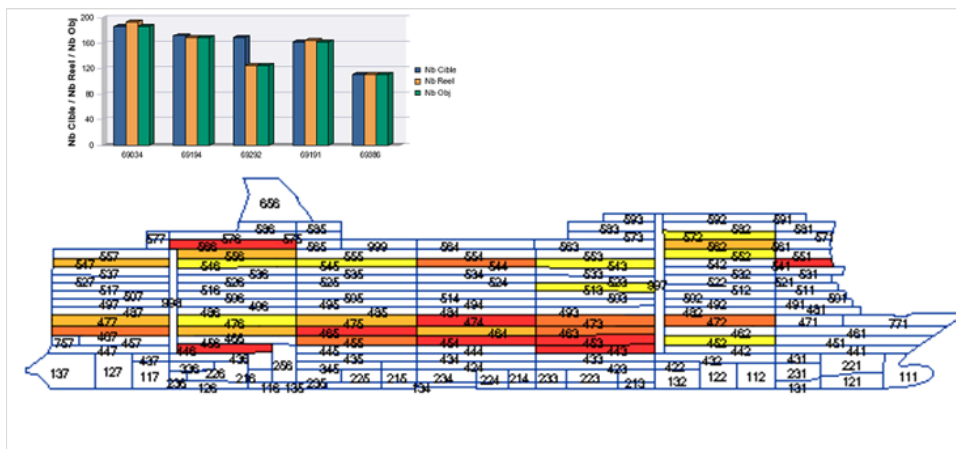
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Technology Description

Features	Functionalities
Business Intelligence add-in	Galigeo works directly through the Business Objects web interface. Other BI tools and repositories may also be connected.
BI and GIS Connectors	Provide a seamless bi-directional link between the BI and GIS based on ESRI ArcGIS Server.
Administration Module	Manage the association of BI data with individual map layer features and who can create thematic.
Security	Galigeo uses the BI system's security ensuring BI data access controls are honored.
Up to date Maps	Galigeo connects directly to the GIS system to ensure that the latest maps are used in the BI reports.
Thematic	Display your BI data on maps in pie and bar charts, symbols, individual and range values (choropleth maps). Drill down through the layers to see how your BI data changes at the state, country and street level
Spatial Filters	select map layer features to filter the data in the current or other BI reports. Save these as geospatial reports to re-filter reports as new data is acquired.
Embedded Map	A mini map in the report itself allowing thematic selection with zoom in, out and pan controls.
Interactive Map	A large scale map displayed in its own tab in the BI report allowing creation and selection of thematic, map layer selection, creation and application of spatial filters and full interactive control of the map including, zoom in/out, pan, map tips, layer information, map
Print your Report	export the report with the maps or export just the interactive map to a PDF with full legend.

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.



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.

