Map-enabled Dashboards for Business Intelligence in Ports

Daniel Elroi
NorthSouth GIS LLC

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Geospatial System Integrators in Ports since 2008

- Port of Los Angeles
- Port of Oakland
- Port of Stockton
- Port of Tacoma
- Port Tampa Bay
- Port of Vancouver
- Port of Alaska
- Port of Long Beach
- Port of San Diego
- Port of Hueneme
- Port of Houston
- Port of Charleston
- Port Everglades
- Port of Longview
200+ Tasks, 50,000+ Hours in Ports to Date
Enesgy™ for Ports (formerly NSG Port Solution)

Enesgy for Ports
Geospatial Solutions for Port Authorities and Marine Terminals

Enterprise Approach
Overcome risks of information and gain new efficiencies. Instantaneous and accurate operating picture of your facility. Access through best practice enterprise security measures.

Knowledge Security
Capture the precious knowledge of your retiring or retiring employees, the modern knowledge management tools in the hands of a new generation. Provide critical information in a secure environment. Build resilience, prepare for emergencies.

Decision Support
Leverage the data already in your facility and allow your staff to drive decisions, transparent decision making, oversee operations via a map-driven dashboard. Automate and disseminate repetitive data tasks, making it easy for anyone to access the information they need.

Robust Geospatial Tools
Enesgy for Ports includes a suite of tools designed specifically to help manage port and marine terminal assets, security, documents, real estate, environmental, engineering, and maintenance, all through through organization and presentation of data. Spatio-temporal and existing systems integration to accelerate R&D.

Modern Architecture
Built on a tried-and-testing software and database foundation, Enesgy for Ports is designed using a standards-based and easily-upgradable architecture. Configuration instead of customization reduces cost and promotes organization independence.

Deployment Options
Deployable behind your firewall or in your own private cloud where you can capitalize and own the software, or hosted in the cloud through a subscription. Either way, you own and have permanent access to your data.
A Business Intelligence Dashboard is a data visualization tool that displays the current status of metrics and key performance indicators (KPIs) for an enterprise. Dashboards consolidate and arrange numbers, metrics, and sometimes performance scorecards on a single screen. They may be tailored for a specific role and display metrics targeted for a single point of view or department. The essential features of a BI dashboard product include a customizable interface and the ability to pull real-time data from multiple sources.
Logistics – Ports of Montreal & Vancouver

Estimated truck waiting and flow times at Port of Vancouver terminals

- Centerm: Operating Normally
- Deltaport: Operating Normally
- Fraser Surrey Docks: Operating Normally
- Vanterm: Operating Normally

This chart shows the estimated wait times for terminal pre-gates and within terminal yards.

- Current average wait times are updated once per minute and reflect the average waiting time of transactions which have completed their trips in the last thirty minutes.
- Total average wait times are updated once per minute and reflect the total average waiting time of transactions which have completed their trips today.

Download the Port Vanhub App for real-time updates – available for iPhone & Android.
Map-enabled Dashboards

Dashboards that also utilize “smart maps” (GIS, Geographic Information Systems) to help understand the spatial distribution and interrelationships of phenomena, and therefore enhance business intelligence.
Pavement Maintenance – Port of Oakland, CA
Security – Port of Long Beach, CA
Compliance – Port of Vancouver, BC
Marine Safety
Benefits

• See where things are, how they relate to each other
• Aggregate items by location, proximity
• Integrate strictly-spatial information like aerial photos, geocoding
• Feed into other spatial software, like routing, network analysis
Requirements

• Live data feeds and usually some static data as reference
• Definition of “normal” and “exceptional” state
• Preferably a messaging system
• All the usual stuff: Permissions, connectivity, throughout, cross-platform compatibility
Map-enabled Dashboards for Business Intelligence in Ports

Daniel Elroi
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delroi@nsgis.com