

23 February 2010

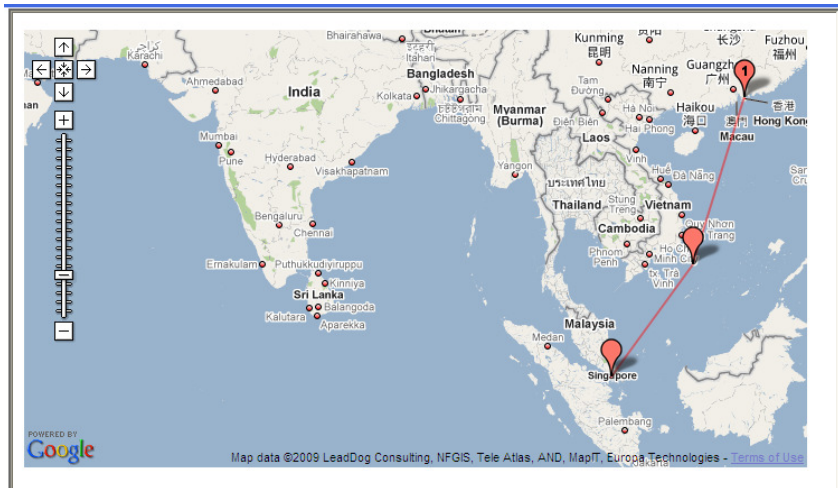
SICIS combines container monitoring and AIS - vessel tracking

Aim: Improving the transparency of container transports

In September 2009 the EU funded INTEGRITY project implemented its IT platform, the Shared Intermodal Container Information System SICIS. SICIS tracks containers along the entire logistics chain and registers all data and related events which are generated during the transport. SICIS regularly monitors the INTEGRITY consortium members' containers from China to Europe. By the end of the project the aim is for several thousand containers to have been monitored by this IT platform.

Since the beginning of this year the extended version of the basic SICIS is able to provide a unique function. This new version links container monitoring data with vessel tracking information provided by satellites using the vessels' AIS signals (Automatic Identification System).

The vessels' positions together with related events like course divergences are visualized on a world map and buyers, sellers and logistics providers within the supply chains are able to track vessels and corresponding containers to get information about their position and status at all times. The monitoring of the containers is automatic whilst on route, and needs no manual input or intervention. The event updates are automated processes initiated by ingate /outgate and vessel loading/unloading.



Visualization of vessel events on a graphical basis using standardized tools.

In the future SICIS will be enhanced by even more exclusive functions. Another important innovation will be the possibility to link existing data from container monitoring with consignment information relevant for Customs. The data flows accompanying the transport will be integrated to optimize the Customs clearance in cooperation with the involved Customs authorities.

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<input type="checkbox"/>	Master Template	Sub Template	Template Type	Container No.	Trip Startup	Last Report	Last Location	Last Event	Last Security Status	Next Vessel Event	Next Vessel Location	Next Vessel Date Time	
1	<input type="checkbox"/> Integrity	Standard Service	Standard	DEDU2883669	09-01-2010 11:03	14-01-2010 11:09	Yantian International Container Terminal	Loading		Estimated Time Arrival	PFL Trinity Terminal	10-02-2010 22:00	●
2	<input type="checkbox"/> Integrity	Standard Service	Standard	MLDU3345413	09-01-2010 13:12	14-01-2010 11:11	Yantian International Container Terminal	Loading		Estimated Time Arrival	PFL Trinity Terminal	10-02-2010 22:00	●
3	<input type="checkbox"/> Integrity	Standard Service	Standard	USCU4802588	09-01-2010 19:45	14-01-2010 13:03	Yantian International Container Terminal	Loading		Estimated Time Arrival	PFL Trinity Terminal	10-02-2010 22:00	●
4	<input type="checkbox"/> Integrity	Standard Service	Standard	GSCU2125467	09-01-2010 11:09	14-01-2010 15:00	Yantian International Container Terminal	Loading		Estimated Time Arrival	PFL Trinity Terminal	10-02-2010 22:00	●
5	<input type="checkbox"/> Integrity	Standard Service	Standard	UEDU2453499	11-01-2010 15:59	14-01-2010 15:09	Yantian International Container Terminal	Loading		Estimated Time Arrival	PFL Trinity Terminal	10-02-2010 22:00	●

This unique consolidated data will significantly improve the transparency of the transport chain and the predictability of the transport process and will lead to a lowering of the shipping charges. At the same time the container security will be significantly optimized.

List of all containers on a single vessel

The EU-funded project "INTEGRITY-Intermodal Global Door-to-Door Container Supply Chain Visibility" coordinated by ISL – Institute of Shipping Economics and Logistics - aims to improve the transparency and the predictability of global container transports. Core of the project is the development of the IT platform „SICIS – Shared Intermodal Container Information System" which enables authorized companies and authorities to access planning data and status information of container transports.

Project partners



For more information please visit: www.integrity-supplychain.eu