

Motivation

- Strong continuing growth in global container transport
- Increased bottlenecks in European deep sea ports and hinterland connections
- Complex logistics chains with multiple actors
- Information gaps along the chain
- New security regulations (ISPS, EU-COM 2003-0229, 2004-0076, AEO, EU Customs Code, US CSI, US C-TPAT)



Benefits

- Visibility of the supply chain will be improved
- Door-to-door chains will become more secure and predictable
- All target groups (3PLs, cargo owners, exporters, transport and port operators, Customs) are satisfied in one approach
- Logistics and security are supported at the same time

Consortium

Powerful partners like Customs Authorities, 3PLs, cargo owners, port operators, R&D institutions, and system developers with lots of experience and a profound level of complementary views on the issue form the basis for a successful implementation of the project.



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INTEGRITY



Intermodal Global Door-to-door Container Supply Chain Visibility



The Challenge

The strong growth in container transport, bottlenecks in hinterland connections, complex logistics chains consisting of many actors, information gaps as well as new security regulations are challenges to be managed by industry and administration. The main factors in today's international intermodal container transport, logistics and security, are aiming at different objectives and sometimes lead to contradictory strategies.

The INTEGRITY Solution

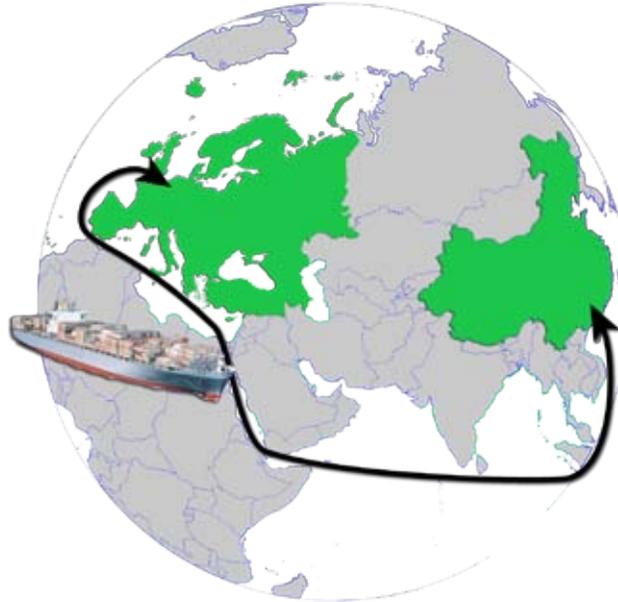
INTEGRITY will develop a methodology and an IT system serving both issues satisfying industry and authorities at the same time by creating Supply Chain Visibility. This will be achieved by evaluating information from various types of sensors, portals, and other information sources and lead to a better reliability and predictability of the transport chain performance. Furthermore, enhanced security measures, shared data on vehicles, cargo and inspection results shall lead to trade facilitation and pre-arrival clearance from Customs in the importing country.



No additional regulations are envisaged but instead services and incentives to make secure transports more attractive!

Validating the Benefits

Major „clients“ of the approach are the commercial participants in the chain (3PLs, cargo owners, exporters, transport and port operators) and authorities (mainly Customs) creating a win-win situation for both of these groups.



The INTEGRITY approach together with the system to be developed will be demonstrated in international door-to-door transport chains from China to Europe via the ports of Yantian, Rotterdam and Felixstowe up to their final destination by rail, inland waterways or road. There will be real-life demonstrations involving all partners in the chain validating and verifying the benefits for all partners.



SICIS - Sharing Information

The full-scale integration of IT systems along the chain will enable the creation of a Shared Intermodal Container Information System (SICIS) containing either the data itself or links to the data providers (such as port community systems, shipping lines, port authorities) allowing fast and reliable access to the data. But technology is only one part of the story. The combination of existing technologies and new business processes together with legal and administrative agreements between the „administration world“ and the „logistics world“ will create a win-win situation for both target groups.