

2nd Periodic Report Complementary Information

1. Project Logo



2. Banner



Co-funded through EU
FP7 DG RTD

SMART-CM

3. Leaflet

Organisations & Authorities involved

Terminal & Transport Operators



Logistics Services Providers



Customs to be involved in SMART-CM demonstrators



Researchers & Consultants



Technology Providers



Whom to contact?

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SMART Container Chain Management

Technology Agnostic
Single Window Platform



The world's largest Terminal Operators, Logistics Services Providers, Ocean Liners, Customs Authorities and Technology Providers are cooperating within SMART-CM with the aim of improving security, increasing visibility and reliability and reducing the cost of global container chain operations using State-of-the-Art technology.

What is it?

SMART-CM is a neutral service platform which enables secure and interoperable B2B and B2A data communications in global door-to-door container transport management, by using standard (GPS, RFID, GPRS, satellite comms) track & trace technologies.



A neutral, open, "single window", interoperability enabling platform for public administrations and Container Transport Management stakeholders. The SMART-CM platform will allow:

- Interoperable and seamless data exchanges among all the parties of the chain, irrespective of current or future data capture technologies while complying with commercial data exchange rules;
- Interfaces with existing service platforms for container management;
- B2B and B2A applications compliant with international customs-secure and interoperable data communications;
- New B2B and B2A services for adding efficiency to chain visibility and player cooperation;
- Innovative solutions and advanced application prototypes in global container management, such as dynamic re-scheduling of container transportation, thanks to innovative concepts like "The Internet of Things".
- Analysis of standards, legal, market and business operations and future logistics approaches to door-to-door container chains with dissemination of the findings among the partners.

Why?

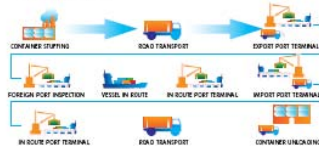
To satisfy Business requirements

By providing efficient interfaces to the entire global supply chain, and by combining cargo information from supply chain stakeholders and container position and condition information from CSD providers, the SMART-CM platform will offer Shippers, Logistics Services Providers, Transport Services Providers, Port Authorities and Terminal Operators, AEO agents, Customs, etc. a single standard means of communication.



To satisfy Customs Requirements

- SMART-CM will contribute to the Green Lanes concept and its implementation for ocean freight, by supporting the following:
- Containers stuffed by **Authorised Economic Operators (AEO)**
 - Containers closed and secured with **electronic seal** to prevent unauthorised access en route
 - **Data transfer**, including optional scanner results, to the customs authorities for advance risk-based assessment of inbound containers
 - **Accelerated customs clearance** (green lanes) for incoming 'safe' containers.



How?

SMART-CM is targeting the following 4 areas:

1. **Innovation/Technology.** Development of innovative systems and value added services, together with improvement of existing software and hardware technologies.
2. **Commercial/Market.** Assessment of current and potential intermodal container transport logistics market opportunities.
3. **Business/Organisation.** Matching proposed efficiency improvements, to be achieved via technology implementation, with seamless, integrated administrative and business processes.
4. **Legal/Security.** Alleviating the negative impact of legal complexities by developing technological solutions to meet legal requirements.

2 large scale demonstrations to validate SMART-CM solutions

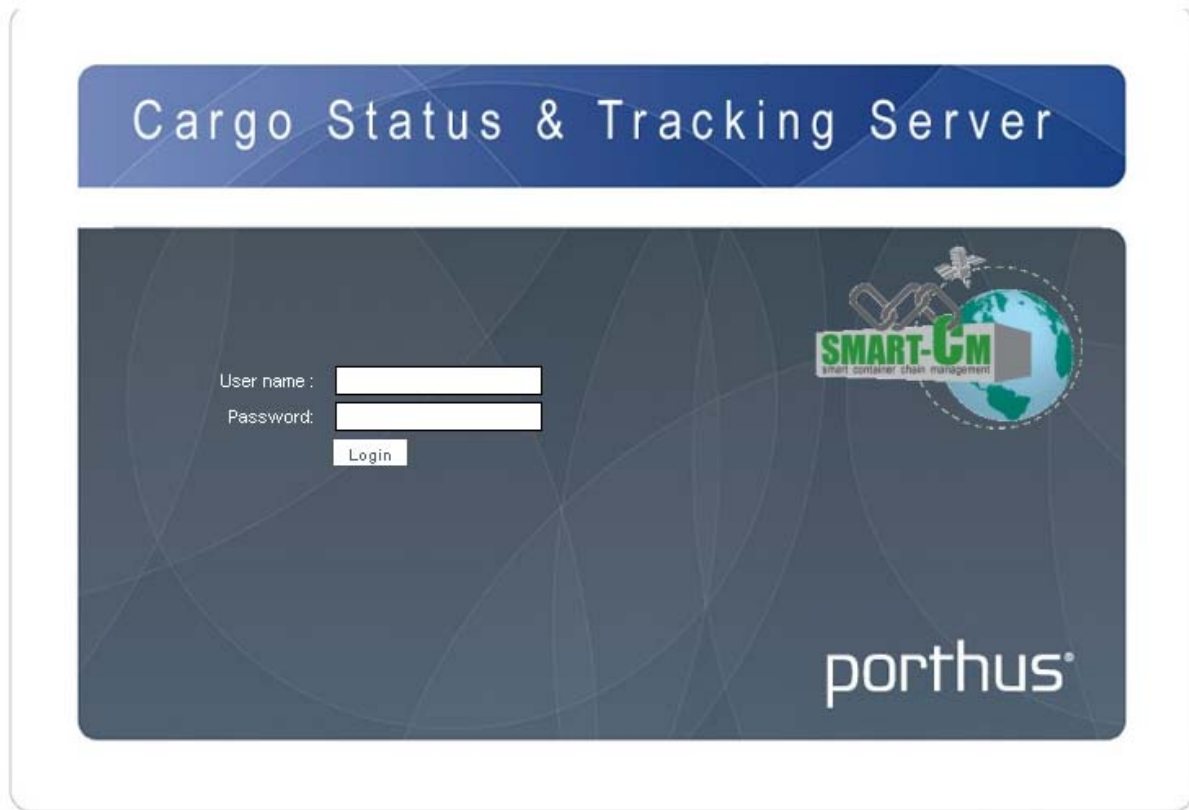
- The SMART-CM platform will demonstrate its efficient container management, monitoring and control capabilities in a real-life environment.
- 2 large-scale demonstrations on 2 distinct global trade lanes to prove applicability and usability in different regions
 - 150 containers suitably equipped to validate the solution on a wide scale and to verify the reliability of information
 - 30 months of demonstrations to ensure continuous enhancement of the solution



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4. SMART-CM Neutral Layer Snapshots

Sign-in Page



Transport Overview

porthus SMART-CM Cargo Status & Tracking Server

Messages Search Reports CSD Providers Log Off

Search

Transport Lane : (Any) Transport Movement ID : CSD ID :
 Container ID : Date From (GMT): Security Status : (Any)
 Event Type : (Any) Date To (GMT): MRN :
 Device Type : (Any) Reader ID :
 Show active only

Page 4 of 4 Record Count: 33

[Export to CSV](#)

Transport Lane	CSD ID	Container ID	Trip Started (GMT)	CSD Status	Customs Status	Last Updated (GMT)	Active	Events
COSCD-NGB-ANR	300034012174870	CBHU5857997	03/11/2009 12:25	Safe		17/12/2010 13:30	Yes	events
COSCD-NGB-ANR	355715010011240	CAVU7326630	10/12/2010 14:02	Safe		10/12/2010 15:10	Yes	events
COSCD-NGB-SKS	355715010011397	CBHU0000001	04/12/2010 01:28	Safe		04/12/2010 02:50	Yes	events



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Authorised Opening – Interactivity of NL

Search

Transport Lane: COSCO-NGB-SKG
 Container ID:
 Event Type: (Any)
 Device Type: (Any)

Transport Movement ID:
 Date From (GMT):
 Date To (GMT):
 Reader ID:

CSD ID:
 Security Status: (Any)
 MRN:
 Action Status: (Any)

Show active only

Action Type:

Page 1 of 1 of 1 Record Count: 1

Transport Lane	CSD ID	Container ID	Trip Started (GMT)	CSD Status	Customs Status	Last Updated (GMT)	Active	Events	Select	Action Status
COSCO-NGB-SKG	355715010011397	CBHU0000001	04/12/2010 01:26	Safe		04/12/2010 02:50	Yes	event	<input type="checkbox"/>	

Search

Transport Lane: (Any)
 Container ID:
 Event Type: (Any)
 Device Type: (Any)

Transport Movement ID:
 Date From (GMT):
 Date To (GMT):
 Reader ID:

CSD ID:
 Security Status: (Any)
 MRN:
 Action Status: (Any)

Show active only

Action Type:

Page 1 of 1 of 6 Record Count: 76

Transport Lane	CSD ID	Container ID	Trip Started (GMT)	CSD Status	Customs Status	Last Updated (GMT)	Active	Events	Select	Action Status
DHL-ANR-BOM	300034012279190	HLXU2201429	03/11/2008 13:58	Included		06/12/2011 20:40	Yes	event	<input type="checkbox"/>	
COSCO-NGB-ANR	355715010011272	GESU3124355	14/11/2011 14:44	Included		14/11/2011 15:55	Yes	event	<input type="checkbox"/>	
COSCO-NGB-ANR	355715010011280	CBHU3239946	14/11/2011 14:32	Included		14/11/2011 15:46	Yes	event	<input type="checkbox"/>	
DHL-ANR-BOM	355715010011694	HLXU3476944	05/06/2011 09:41	Included		19/10/2011 10:30	Yes	event	<input type="checkbox"/>	
DHL-ANR-BOM	355715010011987	FSCU9972359	14/06/2011 07:46	Included		26/09/2011 17:35	Yes	event	<input type="checkbox"/>	
COSCO-NGB-ANR	355715010011934	CBHU3268323	29/07/2011 08:31	Included	ENSACC	15/09/2011 23:00	Yes	event	<input type="checkbox"/>	CL Confirmed
KN-ANR-SIN	300034012352070	KKTU7333188	28/03/2011 12:25	Included		16/08/2011 11:00	Yes	event	<input type="checkbox"/>	
DHL-ANR-BOM	355715010011678	GESU4851895	11/09/2011 16:00	Safe		11/09/2011 18:05	Yes	event	<input type="checkbox"/>	
COSCO-NGB-ANR	355715010011306	CBHU8893314	17/12/2010 12:24	Included		29/07/2011 15:30	Yes	event	<input type="checkbox"/>	ID Pending
DHL-ANR-BOM	355715010011890	HLXU8355720	22/07/2011 13:58	Included		22/07/2011 16:05	Yes	event	<input type="checkbox"/>	

5. Value Added Services Screenshots



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6. SMART-CM event Images

EXPOSEC (March 2010)



Steering Committee meeting, Brussels (September 2010)



CEN Workshop Kick-Off Meeting (21 September 2010)



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3rd ECITL (November 2010)



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Nigbo Demonstration Event Meeting (March 2011)





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