WCO Conference
Tech Talk 2
Secure Supply Chain

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Unisys Security Index

Unisys Security Index Trend Since 2H 2007

- National
- Financial
- Personal
- Internet

- Nearly the whole world feels public targets remain very vulnerable to terrorists:
  In the eleven countries surveyed about the vulnerability of specific targets of terrorism, large gatherings, airports and mass transit were seen as the most concerning worldwide. A majority of the populace in every surveyed country except Australia and New Zealand considered these targets “extremely or very vulnerable to malicious or terrorist attack.”

- People worldwide are also realizing how vulnerable the Internet is to attack:
  In most countries, about half of adults see the Internet as “extremely” or “very” vulnerable, rising to about two-thirds in Brazil, Colombia and Germany. At least 40% of every surveyed country’s populace feels this way.

- Concern about cargo security varies worldwide, but at least half of citizens in seven countries feel that cargo is vulnerable:
  Concern about the vulnerability of cargo to terrorist attacks varies considerably, with only about a third of Dutch adults seeing this as “extremely” or “very” vulnerable, compared to over 60% Mexican and British adults. This said, seven of eleven countries show a majority of the populace concerned.
RFITV – Worlds Largest RFID System
Edge Technologies
In the Box Visibility
- Digital Manifest travels with conveyance
- Transportation, PO, Item Level Detail
- Eliminate frustrated cargo

In Transit Visibility (ITV)
- Global visibility of status and location
- Alerts on performance

Chain of Custody (CoC)
- Container Intrusion, Breach
- Temperature, Humidity, Vibration, Light
- Mesh Network
- Assured Communications
Secure Warehouse

UNiSYS
Mesh Network (People → Vehicle → Assets)

Track ingress/egress of all vehicles and people to the facility. Pre-screen all trucks, trailers, people and assets. Utilize container intrusion sensors for Chain of Custody.
SCRM

Vendor

SCRM Cell
- Inspects products
- Verifies product integrity
- Establishes Baseline of products
- Sandbox Testing
- Library of Updates

Trusted Inventory
- Create Secure package
- Transit Vault
- Secure Container
- RFID/Sensor enable each package
- Track all movement
- Track all personnel
- Entry only via Ticket assigned to individual and tracked

Fulfillment
- Monitor all transportation activities and movement
- Alert on intrusion
- Alert of GeoFence and Out of Bounds movement
- Alert on transfers

Production
- Authorize and monitor opening of Secure Package
- Confirm Delivery
- Confirm Chain of Custody
Secure Cargo

Consistent, Pervasive and Accurate Manifest with Item Level detail

Track n Trace

Sensor monitoring

Chain of Custody ITV
Unisys solutions are used by carriers that move about 35% of the world’s air freight and by thousands of forwarders in 100 countries.

Many large and medium sized carriers use our core cargo system (LMS) as their enterprise reservations and operations system and, some like Delta, Air Canada and SAS Cargo use it on a Cloud basis (HIS) hosted from our Minneapolis data centre. As such, we hold their core operational data.

Our multi carrier cargo booking portal (CPS) is used by clients of Air France-KLM, Delta, American, United, Continental, Air Canada and others. A range of data specified by each carrier is collected at the time of booking and, in some cases validated through other parties such as customs or a U.S. regulator which returns an approval number necessary for goods acceptance.

The potential that we can see is to help regulators assess the value and impacts of changes in two ways and with the agreement of our carrier clients. Firstly, we could take elements of their operational data and provide it to a regulator for analysis / profiling. Secondly, as all our systems are web-based, we could implement and track the effects of new process steps for carrier staff at selected cities and based on some booking criteria (product type, routing, shipper or security type of clearance client).
Thanks !!!

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