

SEA, LAND and AIR trasportation tracking and security suite

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Introduction

Webcontainer is the most advanced web based platform dedicated to multimodal transport tracking.

Webcontainer interconnect internal company system to multiple sources of information for a

real tracking of goods.

The main target of this suite is:

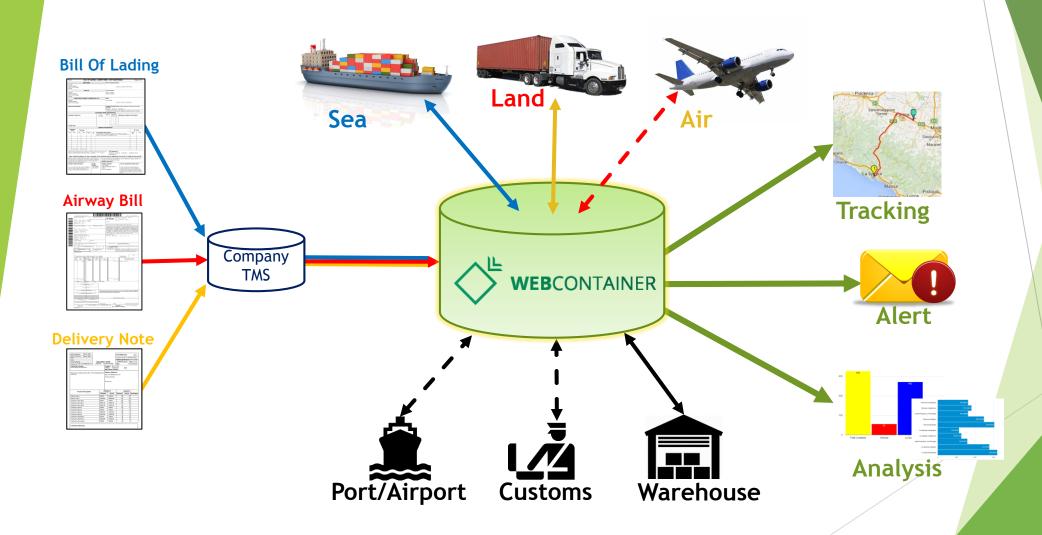
Improve the security of transport process!

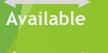
How do that?

- 1. Analyzing the shipments flow for a deep knowledge all the transport process
- 2. Giving exact and detailed information to prevent exceptions on transport process
- 3. Giving real-time alerts to speed up every problem solution process



Webcontainer Scenario









SEA Tracking

Port to Port vessel and container geolocalization





SEA TRACKING - Sources

The Sea traffic tracking is based on multiple information source. Web container is able to get the Vessels and Containers informations and GPS position using:

Transport Management Systems company

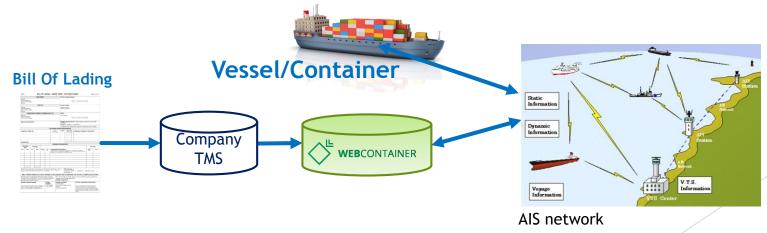
The TMS provide Carrier, container and goods detail coming from B/L

Carrier (Shipping Line)

Carrier provide detailed information about the lading information

GPS information

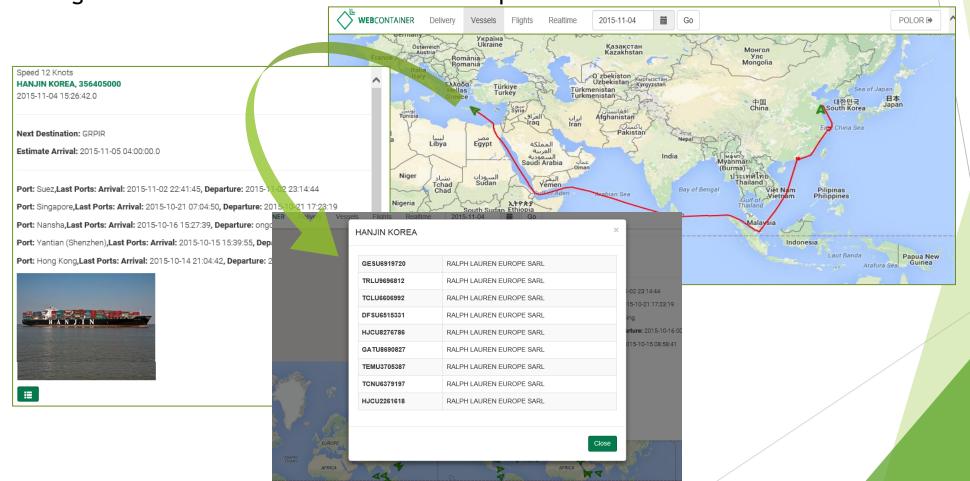
Using the Carrier information WebContainer start to track Vessel and Container through professional nautical tracking services AIS/GPS.





SEA TRACKING - Vessel and Container tracking

Combining the information coming from Carriers and the Nautical tracking services, Webcontainer is able to show the exact situation about all the steps of sea transport, with high level detail from vessels to the transported container.

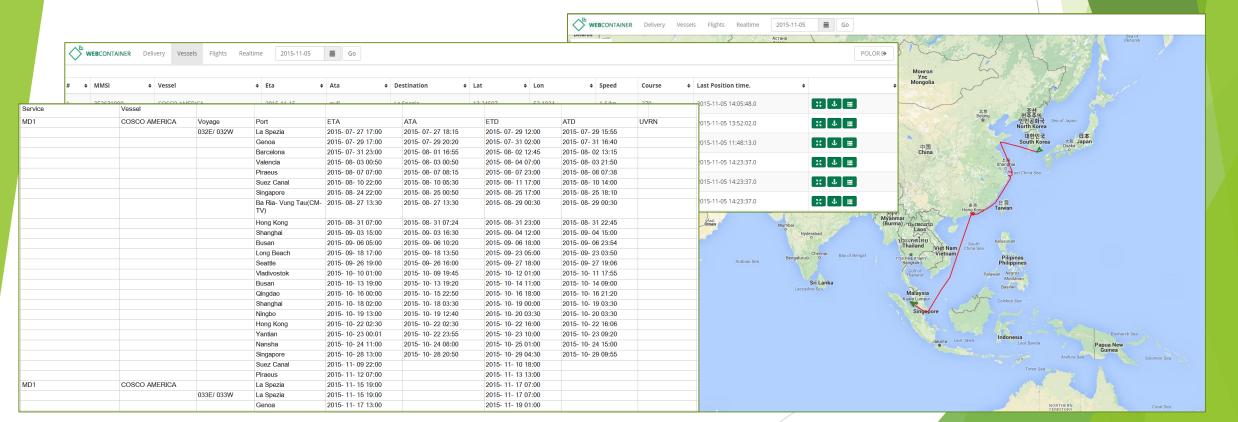




SEA TRACKING - Alert and security

The alerts generated for sea traffic are:

- Delay on vessel Estimate Time of Arrival for final destination and intermediate ports
- Exceeding of medium time vessel and containers stay in port before discharge and transport to warehouse





LAND TRACKING - Benefits

Giving the availability of information about the sea shipment to give in advance information about the arrival and eventual trip problem.

✓ Improve the delivery plan giving in advance the prediction of delay on ETA.

✓ Reduce the port's stockage surcharge and deadtime on multimodal transport operation.



Land Tracking

From Port/airport to warehouse container geolocalization

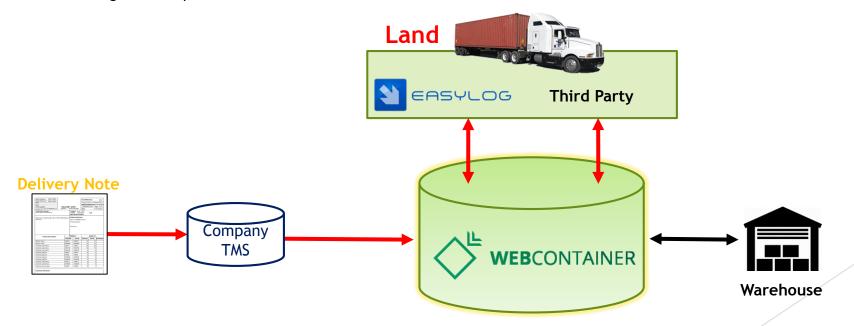




LAND TRACKING - GPS Sources

Webcontainer get the land traffic position information coming from different sources to cover the 100% of shipment, in detail the system use:

- The separation, webcontainer proprietary solution Using the Easylog own GPS device with advanced tracking function.
- All the GPS tracking provider
 Using standard protocol based on secure XML.





LAND TRACKING - Alert and secutity

The WebContainer land tracking, is equipped of advanced alert system that provide in real time information about the transfer status from port to warehouse. The alert are automatically send, by email SMS and web interface, every time an event alter the standard transport procedure.

Procedure standard alert are defined when a vehicle:

- 1. Exit from port area (exiting from the port geo-zone).
- 2. Entering and exiting from warehouse area (warehouse geo-zone).
- 3. Confirmation of container delivery to the warehouse (human confirmation by email).

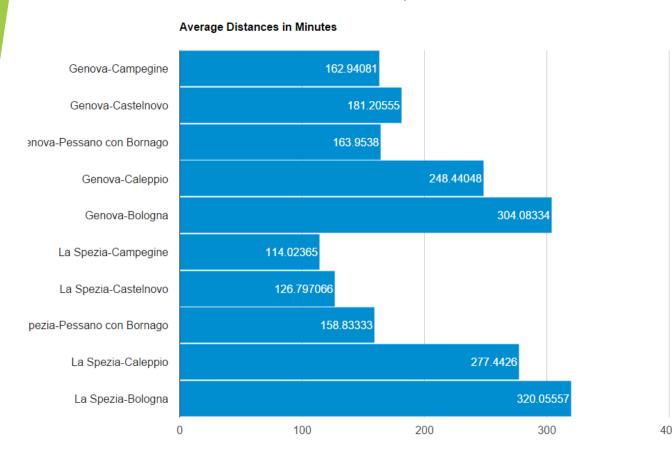
In detail the critical alert status start when the vehicle:

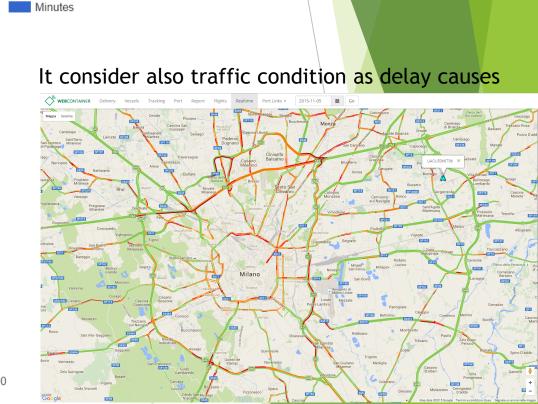
- 1. Has a delay in transit from port to warehouse.
- 2. Is stopped or parked for a long time during the transport to warehouse.
- 3. During the transport the tracking signal is interrupted, and no GPS data is arriving to the system.
- 4. Goes out from the standard route defined to arrive in DC.



LAND TRACKING - Alert delay in transit

The delay in transit from port to warehouse is calculated starting from the analysis of historical data related to the transit time on the main route from the port to the warehouse.

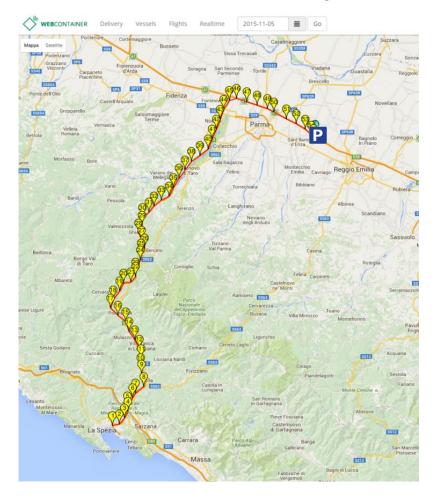




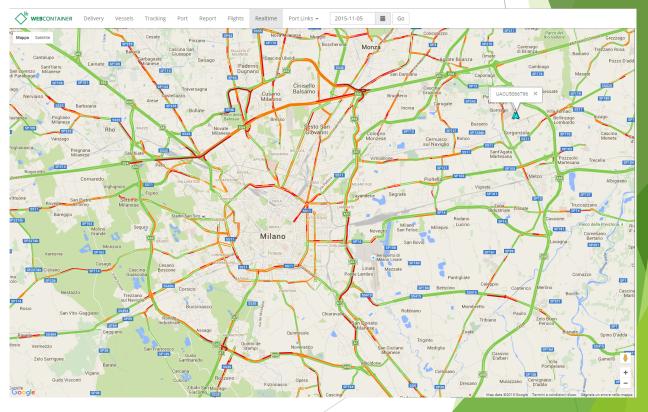


LAND TRACKING - Stop and Park or no GPS signal is arrived

This alert goes on when a vehicle is continuing to communicate the same GPS position for more than 20 minutes, or no GPS data is arriving to the webcontainer for more than 15 minutes.



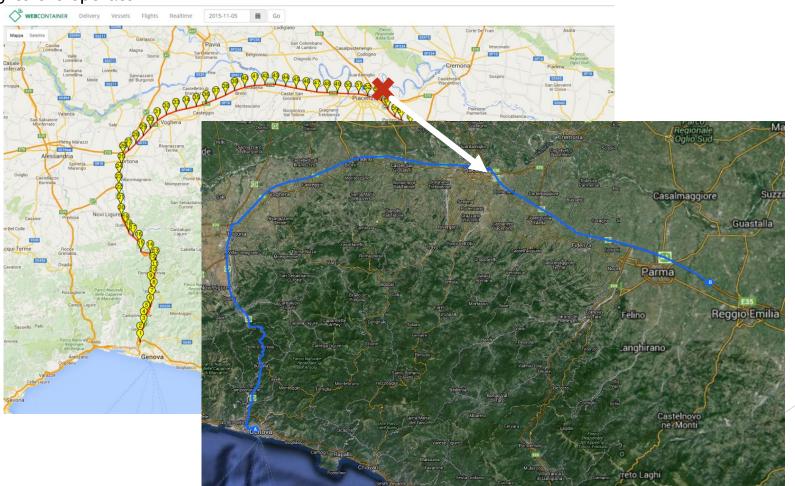
It consider also traffic condition as STOP causes





LAND TRACKING - Alert out from the standard route

This alert notify that a vehicle is not using the standard route defined to arrive to the warehouse. If the GPS position is out of 1 Km from the standard route automatically the system catch the event and notify to the operator





LAND TRACKING - Benefits

- Correct control on operation's implementation and management of possible anomalies
- □ High security and real-time monitoring for problem prevention and fast solving, thanks to the alarm system.
- Low impact on usability of the service as it can be accessible from the Internet and Mobile
- Automatic feed from different systems to



AIR Tracking

Airport to Airport container geolocalization



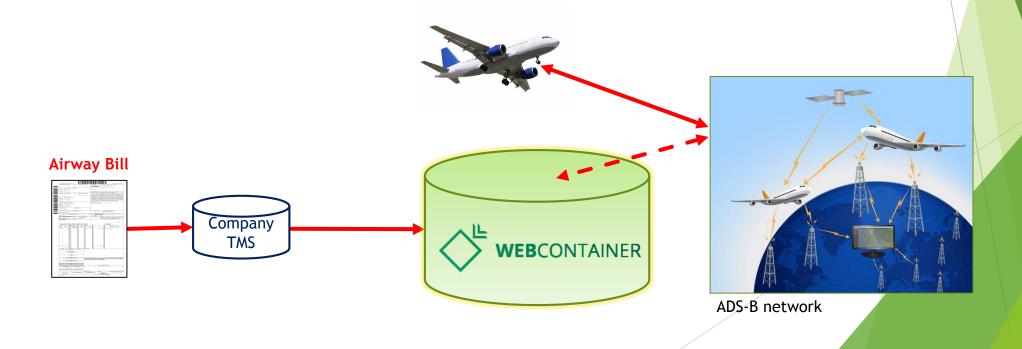


AIR TRACKING - Flight tracking sources (On Testing)

Also the air traffic tracking is based on multiple information source. Web container is able to get the flighting airplane GPS position informations using:

- Transport Management Systems company
 The TMS provide Air Carrier informations coming from AWB
- GPS information

Using the TMS information WebContainer start to track airplane throught professional flight tracking services based on ADS-B /GPS.

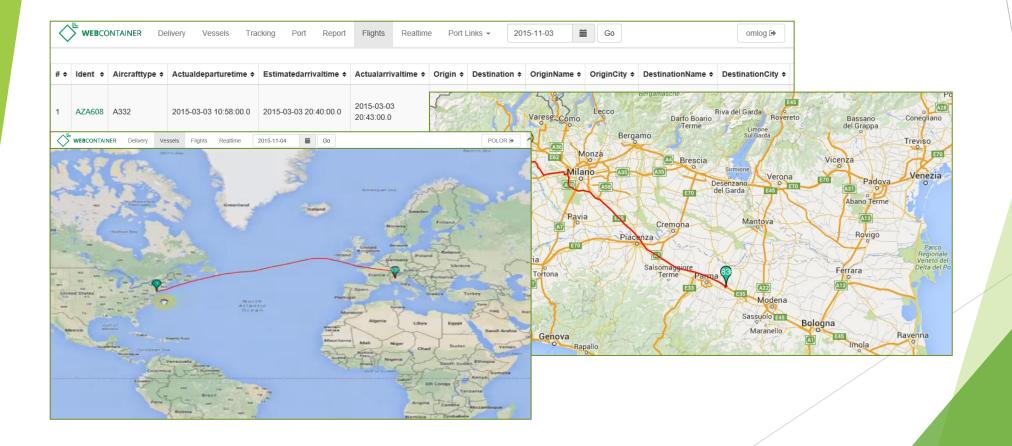




TRACKING BY AIR DEPARTURE TO ARRIVAL

AIR TRACKING - From Departure to Wharehouse

Combining the information coming from ADS-B GPS flight provider and GPS land tracking provider. The webcontainer system is able to show the exact situation about all the steps of the air and land transport, with high level detail from departure airport to the warehouse.





Thanks for your attention