



Final Demonstration of the Contain project is presented in Valencia

- **The initiative presented in January in Valencia, improves both monitoring and inspection of empty containers, avoiding traffic build up at the port exit and thus reducing greenhouse gas (GHG) emissions from the waiting vehicles -**

The final demonstration of the European project "CONTAIN - Container Security Advanced Information Networking" took place on 21st January. The demonstration presented the system for inspecting empty containers developed by the Valenciaport Foundation in collaboration with the Port Authority of Valencia (APV).

This event was opened by Federico Torres, Deputy Director General and Director of General Services of the APV, and by Rafael Company, Project Manager for Valenciaport Foundation. They both highlighted the importance of being at the forefront of maritime container transport security as well as the implementation of prevention and monitoring technologies, for the optimal functioning of the port-logistics chain.

The event provided the occasion for the presentation of the demonstration project developed by Valenciaport Foundation within the CONTAIN framework. This project was a dual-purpose initiative: the first aim was to facilitate inspection of containers through a risk analysis of the Port Community System and the European Container Traffic Map system; the second was to examine the technological feasibility of detecting foreign materials in supposedly empty containers using suitable detection techniques for trucks on the roads entering or leaving the port facilities, or with the implementation of an automatic scanner of empty containers developed by Órbita Ingeniería.

The main obstacles facing technology that detects the presence of objects in a container are the limited light conditions inside the container, as well as other issues associated with the detection itself: the existence of double bottoms; the almost infinite variations in colour and size of packages or objects to be detected; detection fast enough to be used in the regular automated access cycle time; or the provision of highly reliable information with no false alarms in any circumstances. To that end, the demonstration given in Valencia improves both the monitoring and inspection of empty containers, thus preventing traffic build up at the port exit and consequently reducing greenhouse gas (GHG) emissions from the waiting vehicles.

Lastly, a visit was organized to the Noatum Container Terminal Valencia where attendees could see for themselves the loading / unloading of containers and familiarize themselves with the process, in addition to learning how information is managed within the terminal. Afterwards, attendees had the opportunity to observe the



operation of the empty container scanner as it carried out several tests to trial this technology.