

## Press release

### Multimodality and Intermodality as drivers of change for ports and logistics

**Piraeus, 25 June 2015.** The INTE-TRANSIT consortium has published the results of two and a half years of leading innovation towards the goal of enabling multimodality and intermodality in large logistics hubs, as are the MED port terminals, during its final event held in Piraeus on 24-25 June 2015. INTE-TRANSIT: "Integrated and Interoperable Maritime Transit Management System" is a project co-funded by the European Regional Development Fund under the MED programme.

INTE-TRANSIT, which is coordinated by the Institute of Communication and Computer Systems (ICCS), started its activities in January 2013 with a consortium of eight partners from four Mediterranean countries. The basic aim of the INTE-TRANSIT project has been to achieve a better logistic organisation of the MED ports and their logistic areas through the use of modern ICT technologies and to strengthen the co-operation and networking links between MED ports, the relevant authorities and all the actors in maritime transportation.

For achieving these goals, the INTE-TRANSIT consortium developed an automated container management system by using modern Information and Communication technologies such as Differential DGPS receivers, RFID readers, GEO-location servers, to achieve the accurate management of the container storage process inside the terminal at a minimal cost and maintain an always up-to-date inventory of the stored containers.

Specifically, in the ports of Piraeus (Greece), Valencia (Spain) and Koper (Slovenia) automated tracking, monitoring and localization systems were proposed and implemented both for containers and container terminal yard equipment (i.e. trucks, stackers) during their entire stay in the port area. These systems utilize wireless communication technologies and are supported by the corresponding management software for monitoring vehicles and containers. The positioning and monitoring data of these systems are collected, filtered and processed through the INTE-TRANSIT management platform. The function of this platform is to continuously monitor in an interactive way the container storage process inside the terminal with the ability to inform the reach stacker and/or truck driver in case of improper storage. These functionalities are combined with a user-friendly visualisation tool for yard equipment positioning, which offers various mapping capabilities, a container search functionality and real-time remote access.

Additionally, in the cases of Naples (Italy) and Algeciras Bay Logistic Area (Spain), a monitoring system of the flow of goods was developed between the ports and their logistics area located at some distance from the port. Specifically, the system allows the notification of the central platform in case a truck is out of its predetermined route, is travelling at very low speed, has stopped without warning or lacks an active GPS signal at some point of the route.

These systems were tested and evaluated in real conditions, through pilot applications conducted in five Mediterranean ports (Piraeus, Koper, Naples, Algeciras Bay, Valencia).

At the same time, a series of training activities and exchange visits were organized at the container terminals and the logistic areas of the participating ports, in order to enforce the cooperation between stakeholders, the exchange of best practices and the training of personnel.

**Project Fact Sheet:**

**Duration:** 1 January 2013 – 30 June 2015

**Total Cost:** 1.834.201,98 Euros

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