



MIT PROJECT



## **SEVENTH FRAMEWORK PROGRAMME**

### **MIT Metrocargo Intermodal Transport**

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**Production of a video clip**

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## About the Document

This document is ***Project Deliverable D8.4***.

It is explained the characteristic of the video clip about Metrocargo system developed by the MIT project; it reports the activity of the work package WP8.

The document has been produced by the collaboration of the work package WP8, the participants to the work package have all duly contributed to the activity of the work package and to the production of this document and endorse this report as the conclusion of the work package.

Work package leader

Renzo Ferraris (ILOG)

Document authors

Nicoletta Garzoni (ILOG)

Fabio Tarantino (ILOG)

Alessio Colombo (ILOG)

Andrea Nobbe (MOL)

Thomas Keese (WITT)

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## GENERALITIES

### Introduction

Today railroad shipment of containers is limited to point-to-point trains, without the possibility of loading and unloading at intermediate stops. The reason is that wagons are loaded and unloaded vertically with gantry cranes or similar equipment, which obviously cannot operate under the overhead electric feeding line. Trains need to be shunted to marshalling yards and back to the regular railway tracks using a diesel locos, which is costly and time consuming, therefore only point to point trains are operated, excluding transfer and collection of load units along the territory they cross.

Since 2004 the Metrocargo initiative is under development, aimed at enhancing intermodal shipment based on an innovative horizontal loading technology capable of working under the catenary.

The EC-funded FP7 “research for the benefit of SMEs” project 222199 VIT- Vision for Innovative Transport, completed in 2009, developed single components, mainly related to computer vision, that were successfully incorporated in a prototypal Metrocargo unit that was constructed with own funding, installed in the port area of Vado Ligure and extensively tested by an independent qualified organization.

An extensive dissemination action will be pursued along two main lines:

- setting up demonstration tools.
- organization of events, including events centred on the Vado Ligure prototype, a road show in at least four EU countries and exhibiting at major trade fairs.

The video clip is part of Work Package 8 of the Dissemination activities and market studies.

The objective of this document is to describe and present the characteristic of the video clip.

In the following a list of target groups identified by MIT project to show the video clip:

- large shippers
- freight forwarders
- factory transportation and logistics planners
- logistic chain operators and freight integrators
- ports
- railways
- Public Authorities.

### **New Metrocargo 3D promotional video**

During the 2012 a new 3D promotional video in English language was produced.

The video, which was taken as an abstract from a technical simulation made by a specialized company and can be watched with special 3D glasses, shows the Metrocargo equipment operating within' the Vado Ligure (Savona, Italy) terminal with **full details of the technology, close ups on the elements of the modules** and a **specific focus on the real configuration of the location and the surrounding landscape.**



*A screenshot of the video*



The basic aim of the video, which has a duration of about 4 minutes, is to explain in the most incisive way how the technology operates in a completely automated way, with low environmental impact and high security.

*The introductive fly to the location*



*A close up on the shuttle*



The work, which made its **first appearance** during the world's leading exhibitions in the transport and logistics industry **InnoTrans** (18th-21st September 2012), was largely appreciated by the public attending the fair.

*The new 3D video watched with special 3D glasses at InnoTrans 2012.*