

PROJECT

INTERMODEL EU

Simulation using Building Information Modeling Methodology of Multimodal, Multipurpose and Multiproduct Freight Railway Terminals Infrastructures.

Funding: European (Horizon 2020)

Duration: Sep 2016 - Aug 2019

Status: Complete

Total project cost: €2,999,548

EU contribution: €2,999,548



Call for proposal: H2020-MG-2015_TwoStages

[CORDIS RCN : 204149](#)

Objectives:

The main objective of this Project is the development of a methodology and ICT tools which will allow an advanced simulation of intermodal railway logistics platforms models in order to support tasks related to both design and planning phases.

Using the combination of demand/economic/capacity models as main inputs, an evaluation of scenarios will be possible by means of the comparison of an underlying Building Information Modeling output composed of different data sets such as CAPEX, OPEX or energy efficiency.

Moreover, using these new design tool an improvement of the QOS and boost transshipment operations between rail and road transport will be achieved.

Above BIM2Operate translate and demonstrate the benefits of BIM during the operational phase, the tools can be extended with a specific simulator to get other indicators about the performance of the operations.

The scope of this proposal addresses two of a maximum of five aspects expected by the European Commission:

- Development of whole system planning environments (based e.g. on virtual design concepts such as BIM - Building Information Modeling) to support the streamlined delivery of infrastructure projects from concept to deployment. In this respect, the rail sector deserves particular attention.
- Solutions for advanced infrastructure capacity planning and modeling for all transport modes.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Idp Ingenieria Y Arquitectura Iberia SI

Address:

AVENIDA FRANCESC MACIA 60 3 PLANTA
08208 SABADELL BARCELONA
Spain

Organisation Website:

<http://www.idp.es>

EU Contribution: €627,475

Partner Organisations:**Consorti Centre D'innovacio Del Transport****Address:**

CALLE JORDI GIRONA 29
08034 BARCELONA
Spain

Organisation Website:

<http://www.cenit.cat>

EU Contribution: €191,163

Zarząd Nadbałtyckich Inicjatyw Klastrowych Spółka Z Ograniczoną Odpowiedzialnością**Address:**

UL TRZY LIPY 3
80 172 GDANSK
Poland

EU Contribution: €82,043

Teknologian Tutkimuskeskus Vtt**Address:**

TEKNIKANTIE 21
02150 ESPOO
Finland

Organisation Website:

<http://www.vtt.fi>

EU Contribution: €350,000

Autorita' Portuale Della Spezia**Address:**

VIA DEL MOLO 1
19126 LA SPEZIA
Italy

Organisation Website:

<http://www.porto.laspezia.it>

EU Contribution: €0

Dhl Freight Germany Holding GmbH**Address:**

TERSTEEGENSTR. 30
40474 DUSSELDORF
Germany

EU Contribution: €163,938

Macomi Bv

Address:

JUTTEPEER 56
2635 MR DEN HOORN
Netherlands

EU Contribution: €415,215

Basf Construction Chemicals Espana SI**Address:**

CARRETERA DEL MIG 219
08907 HOSPITALET DE LLOBREGAT L
Spain

EU Contribution: €169,500

Vias Y Construcciones Sa**Address:**

C/ Orense 11
28020 Madrid
Spain

EU Contribution: €190,863

Bedeschi Spa**Address:**

VIA PRAIMBOLE 38
35010 LIMENA
Italy

EU Contribution: €81,563

Ferrocarrils De La Generalitat De Catalunya**Address:**

Els Vergós, 44
8028 Barcelona
Spain

EU Contribution: €81,900

Contship Italia Spa**Address:**

VIA PRIMO MAGGIO 1
20066 MELZO
Italy

EU Contribution: €196,063

Kiruna Wagon Ab**Address:**

TRUCKVERKSTAN
981 38 KIRUNA
Sweden

EU Contribution: €98,063

Viasys Vdc Oy

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VAISALANTIE 6
02130 ESPOO
Finland

EU Contribution: €242,500

Autorità Di Sistema Portuale Del Mar Ligure Occidentale**Address:**

N/a
16124 Genova
Italy

EU Contribution: €109,265

Technologies:

Infrastructure management
Multimodal terminal infrastructure

Development phase: Research/Invention

STRIA Roadmaps: Infrastructure

Transport mode: Rail transport

Transport sectors: Freight transport

Transport policies: Digitalisation

Geo-spatial type: Infrastructure Node