

PROJECT

LessThanWagonLoad

Development of 'Less than Wagon Load' transport solutions in the Antwerp Chemical cluster

Funding: European (Horizon 2020)

Duration: May 2017 - Apr 2020

Status: Complete

Total project cost: €3,994,319

EU contribution: €3,994,319



[CORDIS RCN : 209714](#)

Objectives:

The LessThanWagonLoad project has the objective to develop a smart specialised logistics cluster for the chemical industry in the Port of Antwerp in order to shift transport volumes from road to rail freight. This objective will be realised by developing:

- a new rail transport solutions for single pallets (we call this LWL 'less than wagon load' in analogy with existing LTL 'less than truck load' transport) and
- new added value rail freight services for the industry within the Antwerp chemical cluster.

These potential new services consist of parking, repair, picking and cleaning for chemical wagons, rail connected cross docking of pallets and improved rail connections by setting up mixed trains with conventional and maritime container volumes.

The project primarily focuses on Antwerp and the chemical industry. However, the new concepts can also be leveraged to other logistical hubs with other industries. This will be demonstrated at a second logistical hub Nola, in the south of Italy. This broad implementation potential increases the impact on European society.

The LessThanWagonLoad project will contribute in a substantial way in realising the EC's ambition to shift 30% of road freight over 300km to low-emission modes by 2030. The potential benefits of the project for European society are very important and diverse:

1. environmental improvements (less GHG emissions),
2. reduced costs of rail freight,
3. increased inter-modality and higher resilience of the transport system,
4. local economic growth and employment,
5. less congestion and traffic casualties and
6. less risk on social dumping.

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:

Lineas Group

Address:

BOULEVARD DU ROI ALBERT II 37
1030 BRUXELLES
Belgium

EU Contribution: €1,152,955

Partner Organisations:**Technicka Univerzita V Kosiciach****Address:**

Letna 9
4200 Kosice
Slovakia

EU Contribution: €169,288

Belgische Federatie Van De Chemische Industrie En Van Life Sciences Vzw**Address:**

AUGUSTE REYERSLAAN 80 DIAMANT BUILDING
1030 BRUSSEL
Belgium

EU Contribution: €118,930

Ancra Systems Bv**Address:**

STAARTEN 14
5281 PL BOXTEL
Netherlands

EU Contribution: €896,305

Zos Trnava As**Address:**

KONIAREKOVA 19
917 21 TRNAVA
Slovakia

EU Contribution: €252,719

Trafuco**Address:**

MOLENBERGLEI 6
2627 SCHELLE
Belgium

EU Contribution: €408,965

Interporto Servizi Cargo S.p.a.**Address:**

Via Paolo Emilio Imbriani 30
80132 Naples
Italy

EU Contribution: €175,390

Transcare Gmbh**Address:**

DANZIGER STRASSE 14
65191 WIESBADEN
Germany

EU Contribution: €182,278

Technische Universiteit Delft**Address:**

.
2600 GA Delft
Netherlands

EU Contribution: €328,200

Vtg Rail Europe Gmbh**Address:**

NAGELSWEG 34
20097 HAMBURG
Germany

EU Contribution: €101,400

Ecores Sprl**Address:**

RUE THEODORE VERHAEGEN 150
1060 BRUXELLES
Belgium

EU Contribution: €207,890

Technologies:

Rail vehicle design
More efficient rail wagons

Development phase: Research/Invention

STRIA Roadmaps: Network and traffic management systems

Transport mode: Multimodal transport

Transport sectors: Freight transport

Geo-spatial type: Other