Intelligent Transport System for Innovative Intermodal Freight Transport

Fact Sheet

Project Information

TelliSys
Grant agreement ID: 314310

Status
Closed project

Funded under
FP7-TRANSPORT

Start date
1 December 2012
End date
30 November 2015

Overall budget
€ 4 284 414,85

EU contribution
€ 2 915 374

Coordinated by
RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN
Germany

Objective

The trend towards increasing transport demand - prerequisite for economic growth - is still challenging the European transport system. On the other hand Europe aims to reduce emissions dramatically. A crucial measure achieving this ambitious aim is to lower transport emissions by increasing the share of inherently more resource-friendly modes of transport.

The “Intelligent Transport System for Innovative Intermodal Freight Transport” (TelliSys) will actively promote the EU’s objective of optimizing the performance of intermodal logistic chains and will provide smooth and cooperative interactions between different modes of transport.

Scientific aim is to develop an intelligent transport system that is applicable for road (in line with Directive 96/53/EC), rail, short sea and inland shipping, which consists of...
a modular set of volume-optimised and traceable MegaSwapBoxes (MSB), an adapted trailer and a tractor for the road transport. Ideas and contributions from the consortium together with the advice of outstanding key players of the transport business guarantee the holistic approach and market acceptance of the project outcomes. TelliSys is the follow-up of the successful TelliBox project and the now modular MSB will be based on the unique selling propositions like stackability, three openable sides, three meters loading height, trimodality, pallet wide and cargo security. In addition, the new developed tractor will provide an extra low fifth wheel height (low deck) designed for volume-optimised road transport and the adapted trailer will be flexible to transport conventional loading units as well as the new MSBs. Within TelliSys an interdisciplinary European consortium of experts in the field of freight forwarding, manufacturing and science will deliver concepts, prototypes and a proof of concepts via extensive test runs. A complementary bundle of scientific evaluation methods, profitability calculations and risk mitigation actions will guarantee the project success.

Field of science

/social sciences/economics and business/business and management/commerce
/social sciences/social and economic geography/transport/sustainable transport/intelligent transport system
/social sciences/social and business
/social sciences/social and economic geography/transport/freight transport
/social sciences/social and economic geography/transport

Programme(s)

Topic(s)

Call for proposal

FP7-SST-2012-RTD-1

Funding Scheme

CP-FP - Small or medium-scale focused research project

Coordinator
<table>
<thead>
<tr>
<th>Organisation</th>
<th>Country</th>
<th>EU Contribution</th>
<th>Activity Type</th>
<th>Address</th>
<th>Administrative Contact</th>
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</thead>
<tbody>
<tr>
<td>RHEINISCH-WESTFAELISCHE TECHNISCHE HOCHSCHULE AACHEN</td>
<td>Germany</td>
<td>€ 441,574.50</td>
<td>Higher or Secondary Education Establishments</td>
<td>Templergraben 55, 52062 Aachen, Germany</td>
<td>Ernst Schmachtenberg (Prof.)</td>
</tr>
<tr>
<td>Wecon GmbH Nutzfahrzeuge-Container-Technik</td>
<td>Germany</td>
<td>€ 1,209,124.84</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
<td>An Der Hansalinie 10, 59387 Ascheberg</td>
<td>Klaus Holz (Mr.)</td>
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<tr>
<td>Wesob Spolka z Ograniczona Odpowiedzialnoscia</td>
<td>Poland</td>
<td>€ 252,828</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
<td>Ul. Ks Londzina 65, 43 246 Strumien</td>
<td>Jan Sobol (Mr.)</td>
</tr>
</tbody>
</table>
Belgium

EU contribution
€ 48 521.34

Address
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Activity type
Other

Website
Contact the organisation

Administrative Contact
Andrea Grisilla (Mr.)

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DAF TRUCKS NV

Netherlands

EU contribution
€ 677 626.48

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Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Website
Contact the organisation

Administrative Contact
Jeroen Van Den Oetelaar (Mr.)

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GOODYEAR SA

Luxembourg

EU contribution
€ 93 780

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Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Website
Contact the organisation

Administrative Contact
Eric Muller (Mr.)

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HEIKO SENNEWALD

Germany

EU contribution
€ 141 279.84

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Activity type
Private for-profit entities
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GEFCO DEUTSCHLAND GMBH

Germany
EU contribution
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Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)

Website

Administrative Contact
Henning Herz (Mr.)

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