Increasing Capacity 4 Rail networks through enhanced infrastructure and optimised operations

Fact Sheet

Project Information

CAPACITY4RAIL
Grant agreement ID: 605650
Status
Closed project
Start date 1 October 2013
End date 30 September 2017

Funded under
FP7-TRANSPORT
Overall budget
€ 14 878 030,93
EU contribution
€ 9 890 105

Coordinated by
UNION INTERNATIONALE DES CHEMINS DE FER
France

Objective

In 2011, the White Paper on European Transport reasserted how fundamental transport was for society, for the mobility of European citizens and for the growth and vitality of the European economy. CAPACITY4RAIL will deliver research that is innovative, prepares rail for the future and takes into account results from previous research projects and programmes. The project builds on previous useable results and will deliver both technical demonstrations and system wide guidelines and recommendations that will be the basis for future research and investment, increasing the capacities of rail networks in the future.

The time used for infrastructure monitoring, maintenance and renewal means ‘down time’. New concepts for low maintenance infrastructure, using standardized and “plug-and-play” concepts will be proposed. Non-intrusive innovative monitoring techniques or self-monitoring infrastructure will be investigated, allowing low or no
Techniques or self-monitoring infrastructure will be investigated, allowing low or no impact on train operations. The fragility of some key component of the infrastructure system (especially in extreme weather conditions) such as switches may impact the efficiency of the whole system. The resilience of switches to any kind of known failure will be reinforced, as well as the ability of the operation system to recover from incidents. Capacity enhancements will also be achieved by higher speed freight vehicles, allowing an optimized interleaving of freight trains into mixed traffic, and improved planning models for operation. Intermodal integration within the global transport system will be improved through enhanced transhipment of passengers and freight. CAPACITY4RAIL will also look towards 2030/2050, by proposing guidelines for future deployments in the mid-term, recommendations for technologies to be developed and deployed in the long term and investigating the key opportunities for funding these within national and EU funding schemes.

Field of science

/socia sciences/social and economic geography/transport

Programme(s)

Topic(s)

Call for proposal

FP7-SST-2013-RTD-1

Funding Scheme

CP - Collaborative project (generic)

Coordinator

UNION INTERNATIONALE DES CHEMINS DE FER

Address
Rue Jean Rey 16
75015 Paris
France

Activity type
Other

EU contribution
€ 717 064,15

Website Contact the organisation
<table>
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Spain
EU contribution
€ 57 928
Address
C Santa Isabel 44
28012 Madrid
Activity type
Research Organisations
Website Contact the organisation
Administrative Contact
Milagros Conde (Ms.)

INSTYTUT KOLEJNICTWA
Poland
EU contribution
€ 127 296
Address
Chlopickiego 50
04 275 Warszawa
Activity type
Research Organisations
Website Contact the organisation
Administrative Contact
Witold Olpinski (Mr.)

VOESTALPINE RAILWAY SYSTEMS GMBH
Austria
EU contribution
€ 90 000
Address
Kerpelystrasse 199
8700 Leoben
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website Contact the organisation
Administrative Contact
Erik Stocker (Mr.)

ACCIÓN CONSTRUCCIÓN SA
Spain
EU contribution
€ 289 324,50

Address
Avenida De Europa 18 Parque Empresarial
28108 Alcobendas

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

Contact the organisation

Administrative Contact
Miguel Angel Paris Torres (Mr.)

INSTITUTO SUPERIOR TECNICO

Portugal

EU contribution
€ 343 060,75

Address
Avenida Rovisco Pais 1
1049-001 Lisboa

Activity type
Higher or Secondary Education Establishments

Website

Contact the organisation

Administrative Contact
Olga Ribeiro (Ms.)

UNIVERSITA DEGLI STUDI DI ROMA LA SAPIENZA

Italy

EU contribution
€ 243 072

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00185 Roma

Activity type
Higher or Secondary Education Establishments

Website

Contact the organisation

Administrative Contact
Stefano Ricci (Mr.)

HITACHI RAIL STS SPA

Italy

EU contribution
€ 95 955

Address
Via Mantovani 3/5
16151 G

Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
UNION DES INDUSTRIES FERROVIAIRES EUROPEENNES - UNIFE

Belgium
EU contribution € 121,200
Address Avenue Louise 221 1050 Bruxelles
Activity type Other
Website
Administrative Contact Nicolas Furio (Mr.)

UNIVERSITY OF NEWCASTLE UPON TYNE

United Kingdom
EU contribution € 483,406
Address Kings Gate NE1 7RU Newcastle Upon Tyne
Activity type Higher or Secondary Education Establishments
Website
Administrative Contact Christine Christine Masterson (Dr.)

INGENIERIA Y ECONOMIA DEL TRANSPORTE SME MP SA

Spain
EU contribution € 189,756
Address Paseo De La Habana 138 28036 Madrid
Activity type Private for-profit entities (excluding Higher or Secondary Education Establishments)
CENTRO DE ESTUDIOS DE MATERIALES Y CONTROL DE OBRA SA
Spain
EU contribution
€ 310 913
Address
Calle Benaque 9
29004 Malaga
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
Website
Contact the organisation
Administrative Contact
Garcia Prieto María José (Mrs.)

NEW OPERA AISBL
Belgium
EU contribution
€ 406 720
Address
Rue Montoyer 31
1000 Bruxelles
Activity type
Research Organisations
Website
Contact the organisation
Administrative Contact
Noemi Jiménez-Redondo (Dr.)

OLTIS GROUP AS
Czechia
EU contribution
€ 155 340
Address
Dr Milady Horakove 1200/27A
77900 Olomouc
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
Website
Contact the organisation
Administrative Contact
KUNGLIGA TEKNISKA HOEGSKOLAN
Sweden
EU contribution
€ 407 110
Address
Brinellvagen 8
100 44 Stockholm
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation
Administrative Contact
Jiri Jansta (Mr.)

CHALMERS TEKNISKA HOEGSKOLA AB
Sweden
EU contribution
€ 346 780,80
Address
- 41296 Goeteborg
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation
Administrative Contact
Ann-Britt Hansen (Mrs.)

THE UNIVERSITY OF BIRMINGHAM
United Kingdom
EU contribution
€ 444 322
Address
Edgbaston
B15 2TT Birmingham
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation
Administrative Contact
May Chung (Ms.)
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<td>UNIVERSITY OF HUDDERSFIELD</td>
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UPPSALA UNIVERSITET
Sweden
EU contribution
€ 73,614
Address
Von Kraemers Alle 4
751 05 Uppsala
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation
Administrative Contact
Olof Jonsson (Mr.)

TURKIYE CUMHURIYETI DEVLET DEMIR YOLLARI ISLETMESI GENEL MUDURLUGU
Turkey
EU contribution
€ 82,800
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Talatpasa Bulvari 5 Gar
Altindag
06330 Ankara
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation
Administrative Contact
Salih Akbaykal (Mr.)

INFRAESTRUTURAS DE PORTUGAL SA
Portugal
EU contribution
€ 102,533
Address
Praca Da Portagem
2809 013 Lisboa
Activity type
Private for-profit entities (excluding Higher or Secondary Education)
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<td>UNIVERSIDADE DO PORTO</td>
<td>Portugal</td>
<td>€82,236</td>
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<td>€21,690</td>
<td>Mafalda Marques Moreira Soeiro (Ms.)</td>
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<td>CENTRO DE ESTUDIOS Y EXPERIMENTACION DE OBRAS PUBLICAS - CEDEX</td>
<td>Spain</td>
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José Estaire (Dr.)

**SOCIÉTÉ NATIONALE SNCF**

- **EU contribution**: € 5 000
- **Address**: 2 Place Aux Étoiles
  - 93200 St Denis
- **Activity type**: Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)
- **Website**
- **Administrative Contact**: Emmanuel Laurans (Mr.)

Adevice Solutions S.L.

- **EU contribution**: € 112 683,80
- **Address**: Calle Leonardo Da Vinci 18
  - Edificio Marie Curie Planta 3
  - Puerta B 4 Parque C Ientifico
  - Y Tecnologico Cartuja 93
  - 41092 Sevilla
- **Activity type**: Private for-profit entities (excluding Higher or Secondary Education Establishments)
- **Website**
- **Administrative Contact**: Rosa Rubio (Mrs.)

LINKOPINGS UNIVERSITET

- **EU contribution**: € 237 475,20
- **Address**: Campus Valla
  - 581 83 Linkoping
- **Activity type**: Higher or Secondary Education Establishments
- **Website**
- **Administrative Contact**: Anders Peterson (Dr.)
EUROPEAN FEDERATION OF RAILWAYS TRACKWORKS CONTRACTORS
Luxembourg
EU contribution
€ 61 440

Address
Rue Eucosider 2
4714 Petange

Website
Administrative Contact
Imrich Korpanec (Mr.)

VOSSLOH COGIFER
France
EU contribution
€ 201 000

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21 Avenue Colmar
92500 Rueil Malmaison

Website
Administrative Contact
Raymond Schnepp (Mr.)

FUNDACION DE LA COMUNIDAD VALENCIANA PARA LA INVESTIGACION,
PROMOCION Y ESTUDIOS COMERCIALES DE VALENCIAPORT
Spain
EU contribution
€ 33 375,75

Address
Avenida Muelle Del Turia S/n
46024 Valencia

Website
Administrative Contact
Rocio Garcia Molina (Ms.)

CARGOSPED SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA
Poland
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KNORR-BREMSE SYSTEME FUR SCHIENENFAHRZEUGE GMBH

Address
Moosacher Strasse 80
80809 Munchen

Website
Contact the organisation

Administrative Contact
Gert Fregien (Dr.)

SNCF RESEAU

Address
15-17 Rue Jean-philippe Rameau
93418 La Plaine Saint-denis

Website
Contact the organisation

Administrative Contact
Philippe Guiliana (Mr.)

INSTITUT FRANCAIS DES SCIENCES ET TECHNOLOGIES DES TRANSPORTS, DE L'AMENAGEMENT ET DES RESEAUX

Address
Boulevard Isaac Newton 14

Website
Contact the organisation

Administrative Contact

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

Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

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**Last update:** 7 December 2017

**Record number:** 110284

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