

PROJECT

FR8RAIL IV

Use-centric rail freight innovation for Single European Railway Area

Funding: European (Horizon 2020)

Duration: Jul 2020 - Mar 2023

Status: Ongoing

EU contribution: €7,792,678



Call for proposal: H2020-S2RJU-CFM-2020

[CORDIS RCN : 232662](#)

Objectives:

The foreseen research activities are expected to contribute to the creation of a framework for an effective railway for freight as a part of the logistical value chain in a more automated way via intelligent equipment and railway terminals enabling the provision of accurate information to end customers and operators.

The objective of the FR8RAIL IV project is to further develop technologies relevant for the rail freight sector to reach the goal highlighted in the Shift2Rail Master Plan. The work is partly based on results achieved in the previous projects of the AWP 2015-2019 (FFL4E, ARCC, FR8RAIL I-III, and FR8HUB).

FR8RAIL IV seeks to increase the technical readiness of the specific technologies developed through innovation actions up to TRL 7. In the framework of the general challenges highlighted in the S2R Strategic Master Plan, specific challenges consistent with the Annual Work Plan 2020 will be addressed by the FR8RAIL IV project.

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)

Other programmes: S2R-CFM-IP5-01-2020 Formulation of the freight train of the future

Lead Organisation:

Deutsches Zentrum Fr Luft Und Raumfahrt E.v

Address:

Linder Hoehe
51147 KOELN
Germany

Organisation Website:

<http://www.dlr.de>

EU Contribution: €1,037,325

Partner Organisations:

Construcciones Y Auxiliar De Ferrocarriles Investigacion Y Desarrollo SI

Address:

JOSE MIGUEL ITURRIOZ 26
20200 BEASAIN
Spain

Organisation Website:

<http://www.caf.net>

EU Contribution: €128,876

Tatravagonka As**Address:**

Stefanikova 887/53
058 01 Poprad
Slovakia

EU Contribution: €474,247

Deutsche Bahn Ag**Address:**

Postdamer Platz 2
10785 BERLIN
Germany

Organisation Website:

<http://www.deutschebahn.com>

EU Contribution: €3,460,150

Verband Der Bahnindustrie In Deutschland (Vdb) Ev**Address:**

UNIVERSITATSSTRASSE 2
10117 BERLIN
Germany

Organisation Website:

<http://www.bahnindustrie.info>

EU Contribution: €5,743

Contraffice Gmbh**Address:**

HAESLERSTRASSE 20
14050 BERLIN
Germany

EU Contribution: €88,831

Trafikverket**Address:**

RodaVagen 1
781 89 BORLANGE
Sweden

Organisation Website:

<http://www.trafikverket.se>

EU Contribution: €677,710

Ac2T Research Gmbh**Address:**

VIKTOR KAPLAN STRASSE 2
2700 WIENER NEUSTADT
Austria

Organisation Website:

<http://www.ac2t.at>

EU Contribution: €84,288

Virtual Vehicle Research Gmbh**Address:**

INFFELDGASSE 21 A
8010 GRAZ
Austria

Organisation Website:

<http://www.v2c2.at>

EU Contribution: €97,236

Indra**Address:**

Avenida de Bruselas, 35
Alcobendas Madrid
Spain

Organisation Website:

<http://www.indra.es>

EU Contribution: €370,431

Fret SnCF**Address:**

24 RUE VILLENEUVE
92110 CLICHY
France

EU Contribution: €73,702

Bombardier Transportation (Switzerland) Ag**Address:**

BROWN-BOVERI-STRASSE 5
8050 ZURICH
Switzerland

EU Contribution: €316,519

Knorr Bremse Systeme Fr Schienenfahrzeuge Gmbh**Address:**

Moosacher Strasse 80
401060 MUNCHEN
Germany

Organisation Website:

<http://www.knorr-bremse.com>

Avl List Gmbh**Address:**

Hans-List-Platz
8020 Graz
Austria

Organisation Website:

<http://www.avl.com>

EU Contribution: €112,232

Pj Messtechnik Gmbh**Address:**

WAAGNER-BIRO-STRASSE 125
8020 GRAZ
Austria

EU Contribution: €100,346

Faiveley Transport Italia Spa**Address:**

VIA VOLVERA 51
10045 PIOSSASCO TO
Italy

Organisation Website:

<http://www.faiveleytransport.com>

EU Contribution: €335,549

Schweizerische Bundesbahnen Sbb**Address:**

HILFIKERSTRASSE 1
3014 BERN
Switzerland

Organisation Website:

<http://www.sbb.ch>

EU Contribution: €78,416

Asociacion Centro Tecnologico Ceit**Address:**

PASEO MANUEL DE LARDIZABAL 15
20018 SAN SEBASTIAN
Spain

Organisation Website:

<http://www.ceit.es>

EU Contribution: €351,076

Technologies:

Freight transport technologies
Freight transport action plan

Development phase: Demonstration/prototyping/Pilot Production

STRIA Roadmaps: Other specified

Transport mode: Rail transport

Transport sectors: Freight transport
Societal/Economic issues, Environmental/Emissions aspects,

Transport policies: Safety/Security

Geo-spatial type: Other