PHOENICE

Grant agreement ID: 101006841

Funded under
SOCIAL CHALLENGES - Smart, Green And Integrated Transport

Total cost
€ 5 939 722,50

EU contribution
€ 4 997 323,88

Start date
1 January 2021

End date
30 June 2024

Coordination
IFP Energies nouvelles
France

Project description

A hybrid solution for sustainable usage of internal combustion engines

Environmentally friendly mobility is a primary strategic goal in the EU that could become more easily feasible through innovative technologies, electrified solutions and alternative fuel use. The EU-funded PHOENICE project will develop a C SUV-class plug-in hybrid vehicle demonstrator whose fuel consumption and pollutant emissions will be jointly minimised for real-world driving conditions. PHOENICE aims at achieving a technology readiness level 7 focusing on cost, industrialisation, and the opportunity for various vehicle classes to maximise the economic and environmental impacts.
Fields of science

engineering and technology > environmental engineering > energy and fuels > liquid fuels

engineering and technology > electrical engineering, electronic engineering, information engineering > electrical engineering > electric energy

engineering and technology > environmental engineering > air pollution engineering

natural sciences > chemical sciences > catalysis

Keywords

plug-in hybrid  highly efficient gasoline engine  real driving emission
dual dilution combustion approach  waste heat recovery system
exhaust after-treatment system  electrified turbocharger

Programme(s)

H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Topic(s)

LC-GV-07-2020 - Reducing the environmental impact of hybrid light duty vehicles

Call for proposal


See other projects for this call

Sub call

H2020-LC-GV-2020

Funding Scheme
IA - Innovation action

Coordinator

IFP Energies nouvelles
Net EU contribution
€ 1 681 143,75

Address
Avenue de bois preau 1 & 4
92500 Rueil malmaison
France

Region
Ile-de-France > Ile-de-France > Hauts-de-Seine

Activity type
Research Organisations

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

Participants (8)

CENTRO RICERCHE FIAT SCPA
Italy
Net EU contribution
€ 781 375,00

Address
Strada torino 50
10043 Orbassano

Region
Nord-Ovest > Piemonte > Torino

Links
FEV EUROPE GMBH

Germany

Net EU contribution
€ 456 295,00

Address
Neuenhofstrasse 181
52078 Aachen

Region
Nordrhein-Westfalen > Köln > Städteregion Aachen

Other funding
€ 0,00

FEV ITALIA SRL

Italy

Net EU contribution
€ 813 190,00

Address
Via paolo borsellino 38/16
10129 Torino

Region
Nord-Ovest > Piemonte > Torino

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

Links
JOHNSON MATTHEY PLC
United Kingdom
Net EU contribution
€ 150 591,00
Address
Farringdon street 25 5th floor
EC4A 4AB London
Region
London > Inner London — West > Camden and City of London
Links
Contact the organisation Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 64 539,00

MARELLI EUROPE SPA
Italy
Net EU contribution
€ 319 112,50
Address
Viale aldo borletti 61/63
20011 Corbetta
Region
Nord-Ovest > Lombardia > Milano
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 348 510,00
POLITECNICO DI TORINO

Italy

Net EU contribution

€ 335 875,00

Address

Corso duca degli abruzzi 24
10129 Torino

Region

Nord-Ovest > Piemonte > Torino

Links

Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network

GARRETT MOTION FRANCE SAS

France

Net EU contribution

€ 251 124,13

Address

2 rue de l’avenir - thaoon les vosge
88150 Capavenir vosges

Region

Grand Est > Lorraine > Vosges

Activity type

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

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
IN EXTENSO INNOVATION CROISSANCE

France

Net EU contribution

€ 208 617,50

Address

Route des lucioles 2000 thales b sophia antipolis
06410 Biot

Region

Provence-Alpes-Côte d’Azur > Provence-Alpes-Côte d’Azur > Alpes-Maritimes

Activity type

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

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 89 407,50

EC signature date 4 December 2020
Last update: 23 July 2023

Permalink: https://cordis.europa.eu/project/id/101006841

European Union, 2023