

ESPRIT

Easily diStributed Personal RapId Transit

653395



Programme:

H2020 Transport

Topic:

GV-5-2014

Call for proposals:

H2020-GV-2014

Duration:

01/05/2015 to 31/10/2018

Funding scheme:

RIA

Total cost:

€7,996,591

EU contribution:

€7,996,591

Coordinator:

COMMISSARIAT A L ENERGIE ATOMIQUE ET
AUX ENERGIES ALTERNATIVES

Project website:

<http://www.esprit-transport-system.eu>

Project description on CORDIS:

http://cordis.europa.eu/project/rcn/194859_en.html

The ESPRIT project aims to develop a purpose-built, light weight L category electric vehicle that can be stacked together to gain space. Thanks to pioneering coupling systems, up to eight ESPRIT vehicles can be nested together in a road train, seven being towed, for an efficient redistribution of fleets and a smartly-balanced and cost efficient transport system.

To prove the ESPRIT concept, the project includes also a suite of modelling and simulation tools to predict, once ESPRIT vehicles are deployed, the economic, social and environmental benefits as well as key operating strategies. It is anticipated that this concept will encourage citizens to use conventional public transport and carsharing solutions rather than their private vehicles leading to seamless intermodal transport, reduced congestion and significant reduction of noise and air pollution.

As the key to the ESPRIT transport system is the ability to redistribute eight vehicles at a time by a single operator, the project expects to demonstrate through simulation that it is possible to achieve a continuous 90% availability rate of vehicles across all stations (in last kilometre and one-way carsharing mode) using less manpower compared to current systems which have 50% of stations empty several times a day.

The project consortium involves eight partners from six European countries.

Participants:	Country:	EU contribution (in €):
CEA	FR	€2,243,963.75
LSD	FR	€454,125.00
VES	DE	€2,029,000.00
FAR	UK	€421,000.00
RPH	IT	€49,107.26
T-STUDIO	FR	€561,062.50
FIRST	UK	€75,437.50
KEOLIS	FR	€87,937.50
LH-CAT	ES	€114,187.50
PDCst	UK	€10,664.54
CNR	IT	€216,000.00
VECTOS	UK	€210,025.00
UNIABDN	UK	€321,152.50
MOV EOTEC	FR	€73,781.25
ARTTIC	FR	€181,868.75
LUXCONTROL	LU	€81,187.50
TEAM RED	DE	€150,437.50
CITIZ	FR	€60,937.50
KAITEK	IT	€265,830.24
PDC	UK	€388,885.46