

PROJECT

ELIPTIC

Electrification of Public Transport in Cities

Funding: European (Horizon 2020)

Duration: Jun 2015 - May 2018

Status: Complete

Total project cost: €5,988,745

EU contribution: €5,988,745



Call for proposal: H2020-MG-2014_TwoStages

[CORDIS RCN : 193366](#)

Objectives:

ELIPTIC aims to develop new use concepts and business cases in order to optimise existing electric infrastructure and rolling stock, saving both money and energy. The project strengthens the role of electric public transport, leading to reduced fossil fuel consumption and improved air quality.

To achieve this goal, ELIPTIC analyse 23 use cases within 11 cities (Barcelona, Bremen, Brussels, Eberswalde, Gdynia, Lanciano, Leipzig, London, Oberhausen, Szeged, Warsaw) and in three thematic pillars. The project will support uptake and exploitation of results by developing guidelines and tools for upgrading and regenerating electric public transport systems. ELIPTIC also advocates for an electric public transport sector at the political level and helps develop political support for the electrification of public transport across Europe. With a strong focus on end users, ELIPTIC use case analyses focus on three thematic pillars:

- safe integration of e-buses into existing electric public transport infrastructure through recharging them “en route” and upgrading trolleybus networks with battery buses or trolley hybrids and automatic wiring/de-wiring technology
- smart energy management upgrade of electric public transport systems for rail
- multi-purpose use of electric public transport infrastructure, e.g. for safe recharging of non-public transport vehicles.

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)

Lead Organisation:

Freie Hansestadt Bremen

Address:

AM MARKT 21
28195 BREMEN
Germany

EU Contribution: €522,406

Partner Organisations:

Consorci Centre D'innovacio Del Transport

Address:

CALLE JORDI GIRONA 29
08034 BARCELONA
Spain

Organisation Website:

<http://www.cenit.cat>

EU Contribution: €0

Verband Deutscher Verkehrsunternehmen

Address:

Kamekestrasse 37/39
50672 Koln
Germany

EU Contribution: €69,000

Societe Des Transports Intercommunaux De Bruxelles Ssf

Address:

Rue Royale 76
1000 Bruxelles
Belgium

EU Contribution: €212,563

Leipziger Verkehrsbetriebe (Lvb) Gmbh

Address:

GEORGIRING 3
04103 LEIPZIG
Germany

EU Contribution: €102,250

Rupprecht Consult-Forschung & Beratung Gmbh

Address:

Clever Strasse
50668 Koeln
Germany

Organisation Website:

<http://www.rupprecht-consult.eu>

EU Contribution: €707,494

Rheinisch-Westfaelische Technische Hochschule Aachen

Address:

Templergraben
52062 Aachen
Germany

Organisation Website:

<http://www.rwth-aachen.de>

EU Contribution: €354,445

Przemyslowy Instytut Motoryzacji**Address:**

Ul. Jagiellonska 55
PL03301 Warszawa
Poland

EU Contribution: €99,875

Fraunhofer Gesellschaft Zur Foerderung Der Angewandten Forschung E.v.**Address:**

Carl-Zeiss-Str. 18-20
55129 Mainz
Germany

EU Contribution: €151,855

Vossloh Kiepe Gmbh**Address:**

KIEPE PLATZ 1
40599 DUSSELDORF
Germany

EU Contribution: €139,063

Bremen Strassenbahn Ag**Address:**

Flughafendamm 12
28199 BREMEN
Germany

Organisation Website:

<http://www.bsag.de>

EU Contribution: €356,625

Ferrovial Adriatico Sangritana Spa**Address:**

VIA DALMAZIA 9
66034 LANCIANO
Italy

EU Contribution: €0

Vrije Universiteit Brussel**Address:**

Pleinlaan
1050 Brussel
Belgium

Organisation Website:

<http://www.vub.ac.be>

EU Contribution: €115,813

Ziehl-Abegg S.e.**Address:**

HEINZ ZIEHL STRASSE 4
74653 KUNZELSAU
Germany

Organisation Website:

<http://www.ziehl-abegg.com>

EU Contribution: €107,125

Stoag Stadtwerke Oberhausen Gmbh

Address:

Max-Eyth-Str. 62
D-46149 Oberhausen
Germany

EU Contribution: €115,000

Miejskie Zaklady Autobusowe Sp Zoo

Address:

UL. WLOSCIANSKA 52
01 710 WARSZAWA
Poland

EU Contribution: €188,375

Trolley-motion - Verein Zur Forderung Moderner Trolleybussysteme

Address:

LadaustraÙe 73
5321 Koppl
Austria

EU Contribution: €69,313

Barcelona De Serveis Municipals Sa

Address:

CL CALABRIA 66
08015 BARCELONA
Spain

EU Contribution: €80,544

Polis - Promotion Of Operational Links With Integrated Services, Association Internationale

Address:

rue du Trône 98
1050 BRUXELLES
Belgium

Organisation Website:

<http://www.polis-online.org>

EU Contribution: €53,500

Societa Unica Abruzzese Di Trasporto Spa Unipersonale

Address:

VIA ASINIO HERIO
66100 CHIETI
Italy

EU Contribution: €100,313

Uniwersytet Gdanski

Address:

UL. BAZYNSKIEGO 8
80309 GDANSK
Poland

Organisation Website:

<http://www.ug.edu.pl>

EU Contribution: €144,250

Asstra

Address:

Piazza Cola di Rienzo 80/A
192 ROME
Italy

Organisation Website:

<http://www.asstra.it>

EU Contribution: €90,250

Solaris Bus & Coach Spolka Akcyjna

Address:

Obornicka 46
62005 Bolechowo-Osiedle, Owińska
Poland

Organisation Website:

<http://www.solarisbus.com>

EU Contribution: €42,125

Przedsiębiorstwo Komunikacji Miejskiej Spolka Z Ograniczona Odpowiedzialnoscia

Address:

KRAKOWSKA 9
43-600 JAWORZNO
Poland

EU Contribution: €104,125

Union Internationale Des Transport Publics

Address:

Rue Ste. Marie 6
1080 BRUXELLES
Belgium

Organisation Website:

<http://www.uitp.org>

EU Contribution: €568,063

Centre Internacional De Metodes Numeric En L'enginyeria'

Address:

C/ GRAN CAPITÀ, S/N; EDIFICIO C-1; CAMPUS NORTE UPC
8034 BARCELONA
Spain

Organisation Website:

<http://www.cimne.com>

EU Contribution: €66,750

Low Carbon Vehicle Partnership

Address:

3 BRITCAGE WALK
LONDON
SW1H 9JJ
United Kingdom

EU Contribution: €58,059

Szegedi Kozlekedesi Kft

Address:

ZRINYI U 4-8
SZEGED
6720
Hungary

EU Contribution: €136,500

Transport For London

Address:

WINDSOR HOUSE 42-50 VICTORIA STREET
LONDON
SW1H 0TL
United Kingdom

EU Contribution: €296,093

Internationales Institut Fuer Angewandte Systemanalyse

Address:

Schlossplatz 1
2361 Laxenburg
Austria

Organisation Website:

<http://www.iiasa.ac.at>

EU Contribution: €34,813

Siemens Ag

Address:

Wittelsbacherplatz 2
80333 MUENCHEN
Germany

Organisation Website:

<http://www.siemens.com>

EU Contribution: €207,125

Transports De Barcelona S.a.**Address:**

Carrer 60, num. 21-23, Zona Franca
08040 BARCELONA
Spain

Organisation Website:

<http://www.tmb.cat>

EU Contribution: €185,063

Universita Degli Studi Di Roma "la Sapienza"**Address:**

Piazzale Aldo Moro 5
00185 ROMA
Italy

Organisation Website:

<http://dma.ing.uniroma1.it>

EU Contribution: €338,625

Irizar S Coop**Address:**

Carretera Zumarraga 8
20216 Ormaiztegi Gipuzkoa
Spain

EU Contribution: €65,975

Barnimer Busgesellschaft Mbh**Address:**

PORATZSTRASSE 68
16225 EBERSWALDE
Germany

EU Contribution: €105,375

Technologies:

Electric road vehicles
Energy management system for charging station

Development phase: Research/Invention

STRIA Roadmaps: Transport electrification, Smart mobility and services

Transport mode: Multimodal transport

Transport sectors: Passenger transport
Societal/Economic issues, Environmental/Emissions

Transport policies: aspects

Geo-spatial type: Urban