

# ZeEUS

Zero Emission Urban Bus System

Bringing  
electrification  
to the heart of  
the urban bus  
network

Coordinated by UITP, ZeEUS is a flagship **electro-mobility** project bringing together **40 partners** representing the **entire stakeholder spectrum**: public transport authorities and operators, bus manufacturers, industry suppliers, energy providers, national and international associations, research centres and consultancies.

# ZeEUS

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## 4 KEY OBJECTIVES

**Extend** the **fully-electric solution** to the core part of the urban bus network composed of high capacity buses

**Evaluate** the economic, environmental, operational and societal **feasibility** of electric urban bus systems through live operational scenarios across Europe

**Facilitate** the **market uptake** of electric buses in Europe with dedicated support tools and actions

**Support** decision-makers with **guidelines** and **tools** on “if”, “how” and “when” to introduce electric buses

## ZeEUS Observatory

An **Observatory** closely follows and discusses the progress of urban bus system electrification around the globe and contributes to its deployment strategies. Selected **observed and monitored demonstrations** will join the ZeEUS network.

Cities experiencing high capacity e-buses are invited to join the Observatory by contacting Pauline Bruge: [pauline.bruge@uitp.org](mailto:pauline.bruge@uitp.org)



● ALEXANDER DENNIS LIMITED - Enviro400 Virtual Electric Concept



● IRIZAR i2e



● SKODA Perun Battery Electric Bus



● SOLARIS Urbino 18 electric



● VDL Citea Electric



● VOLVO 7900 Plug-in Hybrid Bus

10 core demonstrations

in 9 European countries

3 innovative electric solutions

- plug-in hybrid
- full electric
- battery trolley buses

## 70 High-Capacity BUSES

3 Different fast and slow charging strategies

- overnight terminals opportunity

4 Different energy supply modes

- plug-in
- inductive
- conductive
- overhead line

## ZeEUS Demonstrations



With demonstrations in Northern Europe, Continental Europe and Southern Europe, electric urban buses will be tested in **different conditions**: geographical, climatic, environmental and operational.

Running in real operational scenarios with passengers, the bus vehicles are not prototypes but **series and preseries** products. The total number of vehicles taking part in the ZeEUS demonstrations is significant enough to perform meaningful statistical **evaluation** of the real impact of the solution on the operations.

# ZeEUS *in brief*

**Scope** Testing electrification solutions at the heart of the urban bus system network through live urban demonstrations and facilitating the market uptake of electric buses in Europe.

**Duration** Nov 2013 - April 2017 [ 42 Months ]

**Budget** 22.5m EUR [ 13.5 EU Funding ]

**Coordinator** UITP, the International Association of Public Transport

## ZeEUS Partners

Zero Emission Urban Bus System



[www.zeeus.eu](http://www.zeeus.eu)

UITP

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Coordinated by UITP, ZeEUS is co-funded by the European Commission under the 7th Research & Innovation Framework Programme, Mobility & Transport Directorate General under grant agreement n°605485. The ZeEUS project has been launched by the European Commission in the frame of the European Green Vehicle and Smart Cities & Communities

Design graphic : <http://chartoitelambert.net>