

# ZeEUS

Zero Emission Urban Bus System

## 4 KEY OBJECTIVES

**Extend** the fully-electric solution to the core part of the urban bus network composed of **12 + metres and double-decker buses**

**Evaluate** the economic, environmental 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** will be established to closely follow and discuss the progress of urban bus system electrification around the globe and will contribute to its deployment strategies. Selected observed and monitored demonstrations will join the ZeEUS network. ZeEUS will also encourage collaboration beyond boundaries by establishing key relationships between similar projects and initiatives in the field of electro-mobility through its **networking activities**.



● ALEXANDER DENNIS Ltd E350  
Virtual Electric



● IRIZAR i2e



● SKODA Perun Battery Electric Bus



● SOLARIS Urbino 12 electric



● VDL Citea Electric



● VOLVO 7900 Plug-in Hybrid Bus

**8** core demonstrations

in **6** European countries

**3** innovative electric solutions

plug-in hybrid

full electric

battery trolley buses

**35 BUSES** of 12 + metres and double-deckers

**3** fast and slow charging strategies

overnight

terminals

opportunity

**4** 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 geographical, climatic, environmental and operational conditions. Running in real operational scenarios with passengers, the bus vehicles are not prototypes but series and pre-series 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.