



Clean Electric Mobility Services 4 EU cities (CEMS4-EU)

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Introduction

The CEMS4-EU project addresses the specific challenge on the development of integrated approaches and testing of "business models" based on real-trials and pilots to create the conditions for market take up in urban and sub-urban areas. These approaches and business models will be developed in 17 different CEMS4-EU use cases - leading to potential **CO2 savings of about 20.000 tons** during the project's lifetime- along the following three pillars:

- A. Decentralised energy production and use for charging of e-Vehicles**
- B. Demonstration of multimodal and multipurpose e-Mobility charging concepts**
- C. Development of new service schemes: billing, charging and booking of e-Vehicles**

Aim

The CEMS4-EU vision is to create conducive conditions for market uptake of e-Mobility solutions in European cities by developing, testing and validating business models for innovative and sustainable electric mobility services based on smart concepts for decentralised production, distribution and management of energy for recharging electric vehicles.

Expected deliverables

- I. Integrate e-Mobility in SUMP's – mobility and energy planning for low-carbon electric mobility services;
- II. Decentralised energy production and use for charging of e-vehicles;
- III. Demonstration of multi modal and multipurpose e-mobility charging concepts;
- IV. Development of new service schemes: billing, charging and booking of e-vehicles;
- V. To evaluate the costs, benefits and operating efficiency of use cases;
- VI. To support market take-up and exploitation of results across Europe
- VII. Fostering knowledge transfer and networking for exchange of experience

Required partners

- Innovative technology and service providers;
- Municipalities willing to act as launching customers, investing and upscaling;
- Distribution System Operators
- Renewable energy and energy storage innovators

More information

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