Promoting electric bikes and scooters for delivery of goods and passenger transport in urban areas (PRO-E-BIKE)

21.04.2015, Lisbon

Co-funded by the Intelligent Energy Europe Programme of the European Union

Contract No: IEE/12/856/SI2.644759 **Duration: 01/04/2013 - 31/03/2016**

Basic project data

Duration of the project : 3 years (April 2013 – March

- Coordinator : Energy Institute Hrvoje Požar,

  Croatia

- Partners : 9 parnters from 7 countries

  - ITENE, Spain
  - POLIEDRA, Italy
  - MOBYCON, Netherlands
  - ESEA, Sweden
  - ECF – covering EU, based in Belgium
  - SINERGIJA, Slovenija
  - OCCAM, Portugal
  - LOMBARDO, Italy
  - IST, Portugal

Co-funded by the Intelligent Energy Europe Programme of the European Union

PRO-E-BIKE promoting-electric-bike-delivery

Background

Due to air and noise pollution, congestion and low energy efficiency, there is a need to rethink urban transport in Europe and to open a path for clean vehicles **such as electric bicycles and scooter.**

Challenges

Potential for e-bikes is unexplored and the market for such vehicles is still in early development phase (different within Europe). There are some major technological constrains and legal issues, and in some cases infrastructure to support development is poor.

Current situation

The goal of the project

Project summary

Pro-E- Bike aims to contribute to cleaner and more energy efficient transport in urban areas due to increased use of electric bicycles and scooters (E-bikes) among delivery companies and public administration.

- Testing of technology and tools in **25 pilot companies**
- Development of action plans for **8 pilot cities**

Co-funded by the Intelligent Energy Europe Programme of the European Union

PRO-E-BIKE promoting-electric-bike-delivery

IEE/12/856/SI2.644759 Duration: 01/04/2013 - 31/03/2016

Objectives and main steps

Project objectives:

- Replacement of conventionally fuelled vehicles within target groups with E- bikes
- E-bike market uptake
- Support to the development of policies that stimulate wider usage of E-bikes in urban transport

Steps:

- Identification of best practices
- Testing and analyzing technology (pilot projects)
- Transfer of knowledge and experiences
- Development of tools
- Connecting stakeholders
- Extensive dissemination of project results

Major outputs & expected results

- Increased investment and usage of electric bicycles and scooters (E-bikes) for delivering goods and services in delivery companies or public administrations (38 pilots, 74 vehicles)
- Development of policies in the form of action plans and strategies incorporating E-bikes into city transport strategies for 8 pilot cities
- An E-bike business simulation tool for companies and public bodies
- Business models for E-bikes (for transport of passengers, goods transport and mixed transport)

Examples of tested E-bikes

Co-funded by the Intelligent Energy Europe Programme of the European Union

PRO-E-BIKE
promoting-electric-bike-delivery

Examples of tested E-bikes

Smålands-Tidningen

Thank you for your attention !

Matko Perović

mperovic@eihp

EIHP
Energetski institut Hrvoje Požar

www.pro-e-bike.org

Co-funded by the Intelligent Energy Europe Programme of the European Union

PRO-E-BIKE
promoting-electric-bike-delivery