LUISS "Guido Carli" Green Mobility
2016

University
LUISS "Guido Carli" Green Mobility

Country
Italy

Location
Rome, no. 3 sites

Size
5,000-10,000

Mobility Organizational Structure
Mobility manager

Summary

Through the Banking Operation Maintenance Telematics Security (B.O.M.T.S.) intelligent ICT platform, the LUISS "Guido Carli" University has improved its field of action in e-mobility (field of study related to the use of electric cars /hybrid plug-in) by implementing smart infrastructures connected via a server to an innovative ICT platform and in acquiring electric cars, electric bicycles and electric scooters.

The project also involves a bus shuttle service and an app. where the information related to the mobility options and the geolocation of the intelligent charging stations can be accessed.

All available services can be paid directly through a dedicated app by credit card without any need of a contract with energy service providers.

Aims

- Improve mobility.
- Reduce environmental impact (CO_2 emissions).

Stakeholders

- Hotel chains.
- Petrol station network.
- Ministry of Environment and Territorial Ordinance.
- Intesa San Paolo bank.

Background

Not available.

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Description

The LUISS "Guido Carli" University, aligned with the concepts of smart grid and e-mobility, will exploit the potential of the B.O.M.T.S platform by implementing intelligent charging stations, E-Car sharing, E-Bike sharing, E-Scooter sharing and an Info Mobility Bus Tracking System.

- 9 intelligent charging stations for electric cars will be installed in LUISS headquarters, along with the supply of 18 electric cars equipped with an internal black box, "real-time communication" and management platform through B.O.M.T.S.
- 6 intelligent charging stations for electric bicycles will be installed in LUISS headquarters, along with the supply of 24 electric bicycles equipped with an internal black box, "real-time communication" and management platform through B.O.M.T.S.
- 3 intelligent charging stations for electric scooters will be installed in LUISS headquarters, along with the supply of 12 electric scooters equipped with an internal black box, "real-time communication" and

management platform through B.O.M.T.S.
- In order to ensure the user benefits from an optimal management of the 'LUISS' electric mobility service, a HelpDesk platform has been implemented, available through the site http://helpdesk.bomts.it.
- The Info Mobility Bus Tracking System will track in real-time the location and route of 6 shuttles connecting University locations.

Indicators

- Number of electric cars users.
- Number of electric bicycles users.
- Number of electric scooters users.
- Number of app users.
- Levels of Co2 reduction.

2016

Results

Premises:
After the first 5 months of successful system operation user numbers have dramatically increased. A further system development is therefore under planning phase.
8,500
Ca. 1,000
n.a.

Cost

Not avaliable.

Financing

Not avaliable.

Findings

- Students were not familiar with the e-mobility sector and its related issues.
- After some months of 2-day, weekly tutorial lessons, the number of users significantly and rapidly increased.
- All users are enthusiastic about this new technology that allows movement inside Rome's old town and city centre areas and throughout the University locations in a new, environmentally friendly way.

Pictures

Fig. 1. E-Bikes

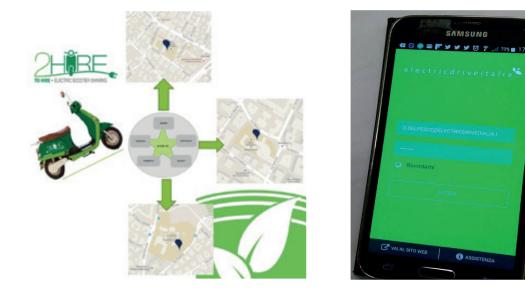*Fig. 2. E-Cars*

Pictures

Fig.3. E-Scooters

Fig.4. App

Fig.5.V.le Romania location & Smarts E-Drive

Fig.6. V.le Pola location & E-Bikes

Fig.7. V.le Pola location & E-Motor bikes

Links

Not available.

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