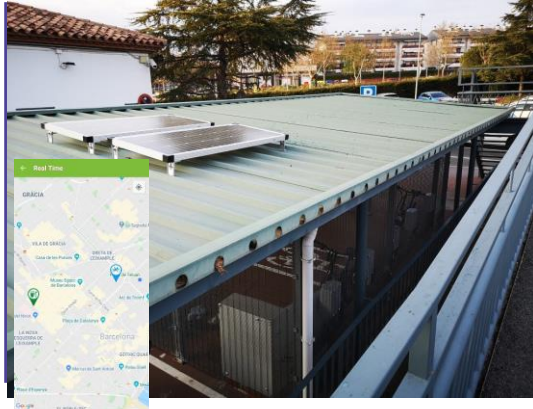


Barcelona demonstrator: green e-bike sharing service



What: Commuters can cover the last mile when using public transportation with a sustainable alternative based on an e-bike sharing service supported by digital technologies.

Why? The lack of door-to-door public transportation alternatives for commuters leads to the use of private fuel-based cars causing traffic congestions and pollution.

Our aim: To provide a green mobility option for commuters, enriching their user experience with information about their trips and increasing service reliability and fleet control through real time monitoring.

Target groups:

- Sustainable multimodality:
 - Commuters
 - Municipalities
 - Public transport operators
- Operation & Management
 - Light electric vehicles sharing operators
 - Charging points installers

Innovative features:

- Optimal and coordinated use of energy for charging
- Optimal transport of energy for charging to reduce the need for grid investments

Enabling features (state of the art):

- Shared electric vehicles for Mobility as a Service
- Use of energy locally produced by 1.3 kW solar panels
- Use of a 1.3 kWh stationary battery to match local production and demand

Contributors:

- Enchufing (commissioning of charging points, solar panels and batteries)
- Atlantis (IoT devices, back-end software and app)
- Eurecat (energy management software)