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Dear Reader,

I am very pleased to welcome you to the fifth issue of LIFE+ PERHT Newsletters!

PERHT has completed its second year of



activities and achieved a number of intermediate results, which we would like to share with you through this newsletter.

Among them, the operative installation and

presentation to the local press of the three **EV Charging Stations** that supplies electric energy for the recharging of plug-in electric vehicles and the operative installation of the three **Multimedia Totems** that are one of the possible media to easily inform end-users about mobility options in the surrounding area and ensure safer, smarter and more efficient transport systems.

While renewing our warm invitation to follow us through this newsletter, through the project website and any public project event, we would like to thank you

in advance for your kind interest our PERHT project and for any comment or suggestion you may want to let us have to improve our efforts and work.

*Marco Dall'Agnol
Mobilità di Marca
the PERHT Project Coordinator
on behalf of PERHT Consortium*

EV Charging Stations Service Launch

An electric vehicle charging station, also called **EV charging station** is an element in an infrastructure that supplies electric energy for the recharging of plug-in electric vehicles, including all-electric cars, neighborhood electric vehicles and plug-in hybrids.

It is called **EV RE-CHARGING**, more simply is the electric vehicle charging service realized in

collaboration between MOM-Mobilità di Marca and Municipality of Treviso within LIFE+PERHT project.

The investment is part, in fact, in the context of operations to encourage sustainable mobility and the green services aimed at reducing emissions pollution and to improve environmental quality.



Within the activation of the new service, three new recharging stations were be installed and placed at historical town strategic points: **Piazza San Pio X**, **Via Toniolo** and **Piazza Vittoria**. During the experimental period all electric vehicles plug-in, both hybrids that pure, can recharge for free for a **maximum time five hours** on the reserved stalls near recharging stations. Each recharging station can simultaneously charge two vehicles.



electric vehicles pure owners (only equipped with electric motor) will have **free access to the ZTL** of the Treviso historical town and it can **park for free** in all the stalls blue of the municipal area (except for those reserved for subscribers).

Multimedia Totems

Providing good and timely mobility information to travelers, commuters, students and, more in general, to citizens is one of the key action to obtain a positive attitude in modal shift. I positive attitude in modal shift.



Multimedia totems are one of the possible media to easily inform end-users about mobility options in the surrounding area and ensure safer, smarter and more efficient transport systems.

Colonnina Elettrica

Servizio riservato agli autorizzati (può ritirare la tessera G02(01) alla biglietteria MOM)



Modalità di ricarica

- 1 Presentare la tessera sul lettore
- 2 Aprire il coperchio della presa ed inserire la spina
- 3 Attendere la ricarica
- 4 Presentare la tessera sul lettore
- 5 Estrarre la spina e chiudere il coperchio della presa



COLONNINE ELETTRICHE è un servizio sperimentale promosso dal progetto europeo LIFE+ PERHT



Access to the service is very simple. You simply fill out a request form available at the **MOM ticket** in Piazzale Duca D'Aosta (opposite station) to get the **card** that gives access to the service (only a deposit of 10 euros will be requested). Anyone can ask for the card, residents of the municipality of Treviso and not.

In order to encourage the recharging stations use, it were provided different benefit for owners of electric vehicles or hybrid. In addition to **free recharge**, the

Till now in Treviso this type of solution wasn't adopted mainly for the lacks of infomobility services. With the services developed within PERHT project it is possible to deliver public transport, parking, bike sharing and generic mobility information to a certain number of physical devices, as multimedia totems, to be easily consumed by travellers.



Figure 1. Totem home page

Main functionalities provided by the Totem include:

- Link to Treviso airport web site (Figure 2);
- Link to Marca Treviso web site (Figure 3);
- Link to Visit Treviso web site (Figure 4);
- Link to transport services area;

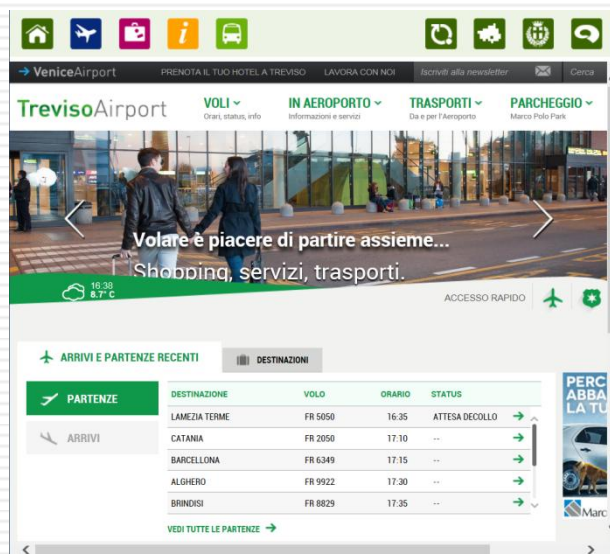


Figure 2. Treviso airport home page



Figure 3. Marca Treviso home page



Figure 4. Visit Treviso home page

The transport services area is conceived as an information services provider for tourists and travelers of Treviso city. The functionalities provided by the transport area include:

- Journey planner;
- Public transport utilities;
- Car Park utilities;
- Bike Sharing utilities;

Journey planner

The user can ask for a journey planning by indicating start/end point and desired means of private car or public transport (bike, walk, private car and public transport). The system then proceeds with the route planning, and prompts user to choose one among provided solutions, indicating for each of them total journey distance (km), duration (start/end time) and trip details. Trip details include trip instructions in textual format and journey route drawn on the map (Figure 5).

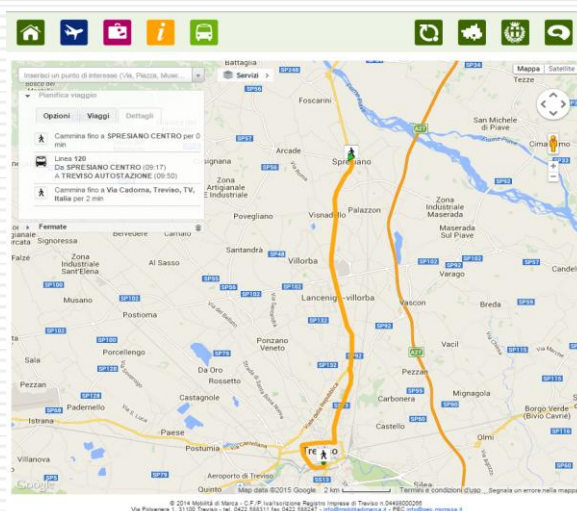


Figure 5. Journey planner - Trip details

Public transport utilities

The user can consult lines and timetables for a given bus stop, retrieve details of a given line. The corresponding map view can be accessed. Icons on the map are used to show the bus stop position. Each bus stop can be selected to show the detailed information about schedules and routes (Figure 6).

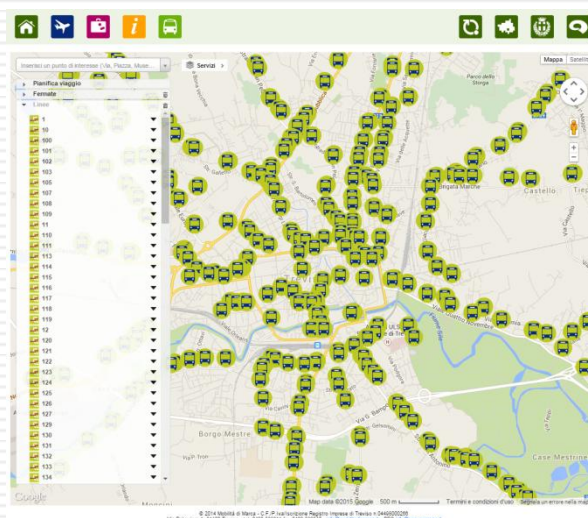


Figure 6. Bus stop position

Park utilities

The user can consult on the map all parking places. Each icon on the map can be selected to show the details of the parking place like: available free places, total places, tariffs, etc (Figure 7).

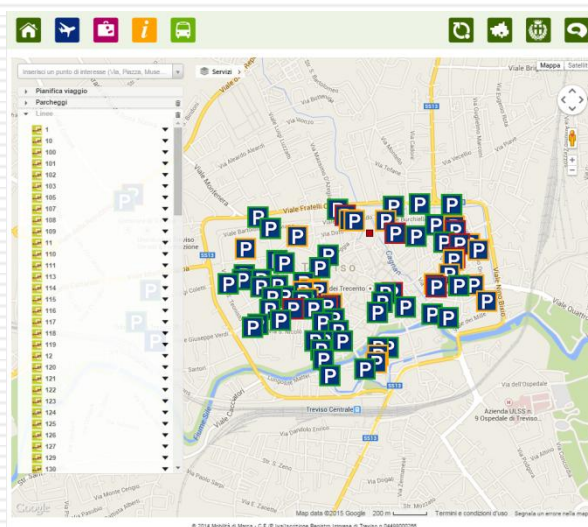


Figure 7. Car park

Bike Sharing utilities

The user can consult on the map all bike sharing places. Each icon on the map can be selected to show details of the bike sharing place like: available free places, total places, available bikes (Figure 8)

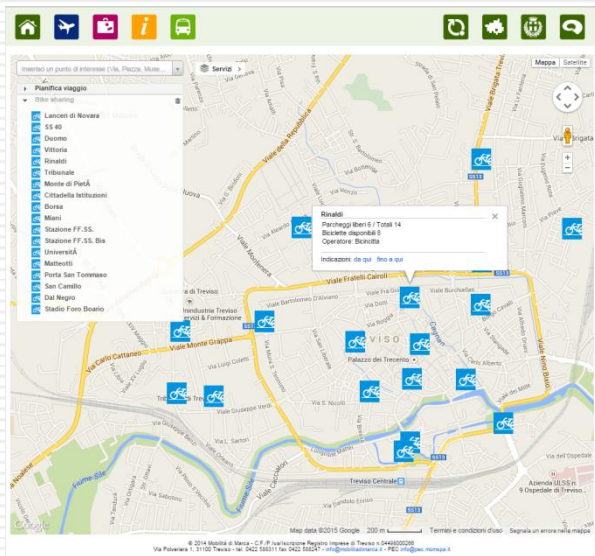


Figure 8. Bike Sharing details

Contacts

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