

Activity 4.6 Maslinica-Solta Pilot

D.4.6.3 Installation of 1 rack with electric and muscular bicycles for sharing system

WP 4 Pilots: small technological investments, equipment installations and new services start-up

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Introduction

This document gathers the proof of the achievement of the following deliverable:

- **D.4.6.3 Installation of 1 rack with electric and muscular bicycle for sharing system and purchase of at least 4 muscular bikes and 4 e-bicycles including a charging system for e-bikes and software for rental in Maslinica-Solta**

In the following chapters, some pictures of the installations and a brief description of the investment are provided. For more details concerning the different implementation phase, the KPIs monitored and the key lessons learnt, please refer to the deliverable *D.4.6.1 Comprehensive report with results achieved during pilot implementation*.

D.4.6.3 Installation of 1 rack with electric and muscular bicycle for sharing system and purchase of at least 4 muscular bikes and 4 e-bicycles including a charging system for e-bikes and software for rental in Maslinica-Solta

E-mobility & sharing services included both infrastructural works and the purchase of six electric bicycles for renting. The infrastructural works implied the installation of the system for charging six electric bicycles, preparatory construction works, and excavation of the cable duct for laying power cables, setting up and parameterizing the e-bike system, connecting to a local LAN, and establishing software control over the operation of the station.



Figure 1 – Rack with electric and muscular bikes installed by PP10 Dvorac at Martinis Marchi marina.

As showed in Figure 1, the installations are all located in Maslinica-Solta, at the Martinis Marchi marina, which is owned by PP10 Dvorac. For e-bike stands and e-vehicles charger implementation, immovable parts of the e-bike stands were placed in concrete on the part of our parking area intended for them. That part of the parking area was painted with all the necessary signs for the equipment. In addition, the cables from the micro-grid storage system were brought directly to the e-bike chargers. The e-bike stand were screwed on the parts in the concrete and connected to the necessary cables to them. Through the Go2Bike application, PP10 recorded 236 bike users. They are mostly people arriving by boat. As there are approximately 6 to 8 people on the boats entering the Martinis Marchi marina, a single user rents four bikes or more. Concerning lessons learnt, PP10 realized that the e-bikes that could be purchased with DEEP-SEA budget were not completely suitable for island terrain, as most beautiful beaches and bays are only accessible by off-road trails. In addition, for enabling their use throughout the whole island, PP10 decided to implement at least one more location with charging stations in cooperation with the Municipality of Šolta.