Activity 4.5 Malinska Municipality Pilot

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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.4.5.2 Start-up of 1 e-car sharing service for Malinska**
- **D.4.5.3 Installation of 1 ECS for e-vehicles and 1 ECS mooring for e-boats in Malinska**
- **D.4.5.4 Installation of 1 rack with electric and muscular bicycle for sharing system and purchase of at least 4 muscular bikes and 8 e-bicycles, including a charging system for e-bikes and software for rental in Malinska**
- **D.4.5.5 Installation 1 Micro-grid system for e-vehicles and e-boats in Malinska**

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.4.5.1 Comprehensive report with results achieved during pilot implementation*.

D.4.5.2 Start-up of 1 e-car sharing service for Malinska

Figure 1: 1 e-car sharing service for Malinska installed by PP06 Municipality of Malinska

As showed in Figure 1, PP06 Municipality of Malinska-Dubašnica introduced an e-car sharing concept as part of their pilot project, aimed at promoting sustainable transportation options in the area. The e-car sharing service has been successfully implemented and is being used by the municipality and associated public administrations, such as the communal society and tourist board, to facilitate movement on the Krk island. The service is supported by the installation of four electric charging stations located in the Malinska area, which allow users to recharge the e-cars when necessary.

As part of the future plans for the e-car sharing service in Malinska, the municipality intends to expand the service to local people and tourists as more e-cars are acquired and as the necessary infrastructure can support more e-cars. The success of the pilot project has demonstrated the potential for e-car sharing to be a sustainable and practical mode of transportation in the area.

With the addition of more e-cars and the necessary infrastructure, the e-car sharing service could become a viable transportation option for more people in Malinska and on Krk island. The municipality is also exploring the possibility of developing an application to digitalize the e-car sharing process, which would make it even easier for users to access and rent e-cars.
Overall, the future plans for the e-car sharing service in Malinska demonstrate a commitment to promoting sustainable and eco-friendly transportation options, while providing greater accessibility and convenience for locals and tourists alike.

D.4.5.3 Installation of 1 ECS for e-vehicles and 1 ECS mooring for e-boats in Malinska

Figure 2: ECS for e-vehicles and 1 ECS mooring for e-boats in Malinska installed by PP06 Municipality of Malinska

As showed in Figure 2 and part of the pilot action in Malinska, an Electric Charging Station (ECS) for e-vehicles and an ECS mooring for e-boats were installed. The installation of these charging stations was a significant step in promoting the use of electric vehicles and boats in the area. The ECS for e-vehicles provided a reliable and convenient way for drivers to recharge their vehicles, while the ECS mooring for e-boats allowed boat owners to recharge their boats while moored in the marina. The installation of these charging stations promoted the use of sustainable transportation in Malinska, and helped to reduce the carbon footprint of transportation in the area. The charging stations were designed to be user-friendly, making it easy for drivers and boat owners to access and use the charging infrastructure. The installation of the ECS for e-vehicles and ECS mooring for e-boats was an important step towards creating a more sustainable and eco-friendly transportation system in Malinska.

D.4.5.4 Installation of 1 rack with electric and muscular bicycle for sharing system and purchase of at least 4 muscular bikes and 8 e-bicycles, including a charging system for e-bikes and software for rental in Malinska

Figure 3: 1 rack with electric and muscular bicycle for sharing system and purchase of at least 4 muscular bikes and 8 e-bicycles, including a charging system for e-bikes and software for rental in Malinska installed by PP06 Municipality of Malinska

As showed in Figure 3, The shared bicycle system in Malinska has been successfully installed and completed as part of the pilot action. Racks for four electric and four muscular bikes were installed, and four muscular bikes and four e-bikes were purchased. A charging system for the e-bikes was installed, allowing for convenient recharging of the batteries. The software for rental was also implemented, providing a streamlined rental process for users. This eco-friendly and cost-effective mode of transportation has provided an efficient way for residents and visitors of Malinska to navigate the area and explore the beautiful surroundings. With the addition of electric bicycles, users have been able to travel longer distances and up hills with ease, without the need for a car. The shared bicycle system has proven to be a success, providing a sustainable mode of transportation that benefits the environment and the community.

D.4.5.5 Installation 1 Micro-grid system for e-vehicles and e-boats in Malinska

Figure 4: Micro-grid system for e-vehicles and e-boats in Malinska installed by PP06 Municipality of Malinska

As showed in figure 4 and as part of the pilot action in Malinska, a micro-grid system was installed to power e-vehicles and e-boats in the Malinska area. This involved the installation of a smaller-scale, self-contained electrical grid that could provide power to electric vehicles and boats in the area. The micro-grid system was designed to be reliable and efficient, providing clean energy to support sustainable transportation in the area. This system allowed e-vehicles and e-boats to be recharged conveniently, without the need to connect to the larger electrical grid. With the addition of the micro-grid system, the use of electric vehicles and boats in Malinska has become more accessible and practical, providing a sustainable transportation option for residents and visitors. Overall, the installation of the micro-grid system has helped to reduce the carbon footprint of transportation in Malinska, and has paved the way for further adoption of clean energy technology in the future.