

INVESTMENT FACT SHEET

.2 Pilot action Masovian Voivodeship: GPS transmitters for Koleje Mazowieckie

Project index number and acronym	CE55 RUMOBIL
Responsible partner (PP name and number)	PP2 MAZOWIECKIE VOIVODESHIP
Linked to pilot action (number and title)	A.T2.4 Piloting enhanced passenger information to increase the quality of public transport in rural areas
Project website	http://interreg-central.eu/Content.Node/rumobil.html
Delivery date	1/07/2018

Description and technical characteristics of the investment

The investments included purchase of:

1. 9 sets GPS transmitters

Sets GPS were assembled at 9 DMC property MAZOWIECKIE VOIVODESHIP. Equipment has been equipped with a GPS antenna and GSM enable the correct operation of the devices and transfer data from the vehicles traveling on the routes covered by the pilot project. These devices must enable logging to use the train and choose the right number of train (directly on the device or by the device attached to the keyboard with the display).

2. Application for mobile devices

Mobile application has been available on devices running Windows, iOS and Android. It was required that the application was available for all passengers Koleje Mazowieckie without limit and without charge. The application must make it possible to search the train, the location of the train (train location) on the interactive map indicating the time of the last data update and the speed of the vehicle. The application is designed to show the delay of the train (if such occurred) a description of the DMU type and difficulties. The application had to make it possible to check the current timetable of all trains Koleje Mazowieckie.

3. interactive kiosk

The project is planned to purchase 2 interactive kiosk in accordance with the following requirements:

- Width: 500 - 1200 millimeters,
- Thickness: 150 - 1000 millimeters,
- Height: adjustable 1200 - 2200 millimeters (to help improve the use of the kiosk people affected by disability),
- freestanding housing, vandal-proof, designed for use inside buildings
- Power supply - AC adapter 220 - 230 V, 50 Hz,
- System regulating the temperature and humidity inside the device
- The LCD monitor is not less than 17 inches

Investment costs (EUR) including a break-down of main cost items

As part of the public tender, a contractor was selected that provided all equipment and services. The value of the project was PLN 164 283,72 (about EUR 38 125), including min.

- Delivery, assembly and servicing of gps devices PLN 27 896,40 (approx. EUR 6 487),
- Purchase of two kiosks PLN 65 608.20 (approx. EUR 15 257),
- Delivery of the application together with the maintenance of PLN 60 270 (approx. 14 016 Euro).

Investment location

NUTS 3	Address (Street, house number, postal code, city, country)	GPS coordinates

PL12C, Płocki	The north western part of Mazovia: two railway lines: Nasielsk - Sierpc, Sierpc - Kutno	not applicable
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Duration and process of investment implementation

Start date

End date

5/02/2017

1/08/2017

Major milestones of investment implementation

The investment is the purchase of the GPS transmitters and their installation in Mazowieckie Railways (Koleje Mazowieckie) trains. It also includes the software preparation and the terminals placed in stations.

Ownership and durability of the investment (e.g. maintenance, financing)

Mazovian voivodship remains owner of the investment (installed GPS transmitters) and is/will be responsible for their maintenance (repairs, replacement) and future software updates. The Marshall Office's transport department can use its own funds related to the operation of Mazowieckie Railways trains and related passenger information. During and after the project, DMUs as well as transmitters will remain the property of Mazowieckie Voivodeship so that the durability of the project will be assured."

References to related pilot action (output fact sheet) and relevant deliverables (e.g. pilot action report, studies) and web-links.

If applicable, additional documentation, pictures or images to be provided as annex

The main objective of the project was to increase the number of passengers transported by rail by creating a passenger information system based on tracking train traffic. Studies on passenger volumes and customer satisfaction indicate that during the pilot period there was an increase of around 10% in the number of passengers. We have certainly achieved the goal of creating the tropKM application and its correct operation. In the first two months of system operation, the application was installed 2 300 times and was in use 11 500 times. After 12 months of system operation, the application was installed 7 830 times and was in use 115 600 times. Currently, the number of active installations is 2 500 users. On average monthly, the system recorded over 10 000 inquiry related to train traffic in the RUMOBIL project area.

Annexes:

- Analysis of customer satisfaction survey results and attendance from 2016. (only polish version),
- Analysis of customer satisfaction survey results and attendance from 2018. (only polish version),
- Photos from the kiosks installation in Płock and Sierpc,
- Photo of a GPS device mounted on the DMU,
- Log map of the "tropKM" application - Polish territory, first two months of use app.