

## Output factsheet: Pilot implementation of ICT enhanced services for smart parking for Gdańsk's FUA

Project index number and acronym	CE243 SOLEZ
Lead partner	Municipality of Vicenza
Output number and title	O.T3.1 - Pilot implementation of ICT-enhanced services for smart parking (in FUA Gdansk)
Investment number and title (if applicable)	n/a
Responsible partner (PP name and number)	City of Gdańsk (PP 9)
Project website	<a href="http://interreg-central.eu/solez">http://interreg-central.eu/solez</a>
Delivery date	01/2020

### Summary description of the pilot action (including investment, if applicable) explaining its experimental nature and demonstration character

The Gdańsk smart parking pilot action aimed at providing data for long-term decision-making and reshaping of the parking scheme in Gdańsk city centre. The chosen pilot site has been that of Długie Ogrody Street which is located next Gdańsk Old Town (Główne Miasto - Main Town) and Wyspa Spichrzów.

Długie Ogrody is an unpaid parking slot for 300 places on a public road. The smart parking pilot action in Gdańsk, started in September 2018 and covered 196 of these parking places.

For the first time, a smart parking system was implemented in an *onroad* parking public spaces in Gdańsk. The data collected and further analyzed, referred to each specific parking place. It was also important to investigate if smart parking solutions would be suitable for general *onroad* public parking in the areas where demand for parking places has an increasing trend.

At the same time the aim of the pilot action was to choose smart and low-cost parking occupancy monitoring system able to provide drivers with information about available parking slots. All these steps have been made following the common transnational approach established and designed in the smart parking tool developed during the project.

The data about occupancy was provided through a mobile app. Data gathered during the smart parking pilot action was also necessary to prove inefficient parking scheme in the city centre which led to decreased quality of public space. Based on the pilot action data gathered (data which was obtained 24/7 every day week) a pattern of drivers behavior was established and led to adopt the paid parking zone in Długie Ogrody street from 9 a.m. to 5 p.m. (*RESOLUTION NO. VIII/118/19 THE COUNCIL OF THE CITY OF GDAŃSK of 28 March 2019 amending the resolution on determining the paid parking zone on public roads in the area The City of Gdańsk, setting rates for parking vehicles in this zone and establishing how to collect fees*)

### NUTS region(s) concerned by the pilot action (relevant NUTS level)

City of Gdańsk PL634

### Investment costs (EUR), if applicable

The realization of the Smart Parking Pilot Action was carried out as a service. No investments costs for the project.

### Expected impact and benefits of the pilot action for the concerned territory and target groups and leverage of additional funds (if applicable)

The expected impact on the territory is that pilot activity covered people who were using the smart parking system and application. The data provided by the system proved the inefficient usage of the public space and need for implementing tools for increasing rotation of parking spaces by implementing new paid parking scheme in the city center. This will allow to provide coherent policy for supply of the parking spaces in the city center in the nearest future.

### Sustainability of the pilot action results and transferability to other territories and stakeholders.

A new regulation in Polish law has recently introduced the concept of “inner city”.Based on this new regulation, it is likely that a “inner city” parking zone may be established in near future in in Długie Ogrody street increasing significantly the price of public parking places and introducing paid parking zone during holidays and weekends. Therefore, the data collected during SOLEZ pilot action be used to establish the new pricing of “inner city parking zone” in the area of Długie Ogrody and furthermore contribute to a better settlement of system of parking in the whole Gdansk city center.

### Lessons learned and added value of transnational cooperation of the pilot action implementation (including investment, if applicable)

Interesting issues raised from the implementation of the smart parking pilot action that led to \_\_\_\_\_ consideration for future strategies and follow-up.  
The smart parking system may provide many additional useful information for general traffic management such as the accessibility and need for handicap parking places and parking in spaces which are not intended for cars.  
The gathered statistics provided a pattern of behavior of car users identifying timeframes for the highest demand for the parking slots too. Low rotation of parking spaces during peak hours (9am to 5pm) underlined an inefficient parking management that could be improved in the future.  
The need for real time information provided through road signs (besides the mobile app) could be another success factor to focus on as a follow-up and with extra funds.

To sum up, the solution implemented in Gdańsk was composed of elements that provide benefit (service) to all stakeholders i.e. policymakers, traffic experts, citizens. A lot of effort was put on consultations process and involving as many stakeholders as possible. International cooperation was essential while choosing the solution and observing and using good practice of other project partners.

**Contribution to/ compliance with:**

- relevant regulatory requirements
- sustainable development - environmental effects. In case of risk of negative effects, mitigation measures introduced
- horizontal principles such as equal opportunities and non-discrimination

Within sustainable development the pilot action contributed to build upon a new scheme for parking policy in the Gdansk city center, including innovation and efficiency elements for better parking space management. Within impact on Environment pilot action provided a model to decrease the time for looking for parking slot in public road which led to reduction of emissions.

**References to relevant deliverables (e.g. pilot action report, studies), investment factsheet and web-links**

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

The ICT smart parking tool developed during the project are described in the following deliverables:

- *D.T2.1.1 - Transnational review and user requirements of smart parking solutions*
- *D.T2.1.2 - Overall design and Regulation Schemes and related Data Management System*
- *D.T2.1.3 - Smart Parking tool developed*

The full description of the Pilot Action implementation has been described in the project deliverables:

- *D.T3.1.3 - Report on Pilot Actions on Smart Parking*
- *D.T3.4.1 - Evaluation report of Smart Parking Pilot Actions*

The documents are available on [www.interreg-central.eu/SOLEZ](http://www.interreg-central.eu/SOLEZ) in the Publication section.



*Fig -01-02 - Cameras installation  
in September 2018 at night*



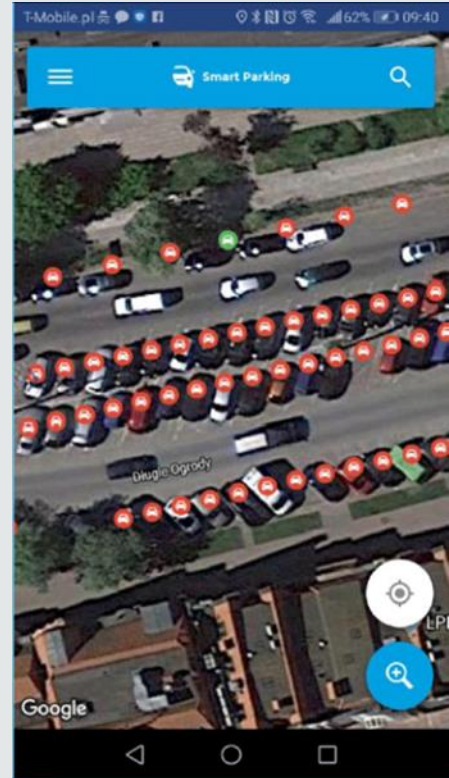


Figure 2: Długie Ogrody Street

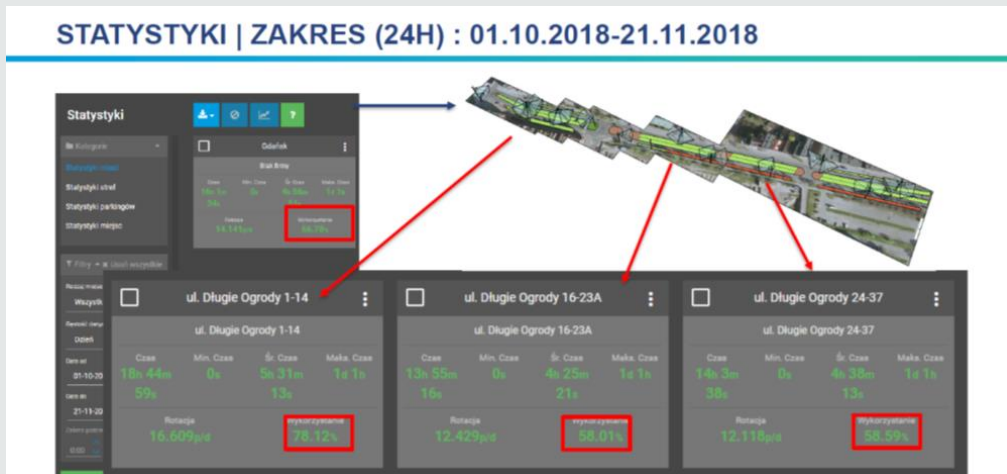


Figure 3: Example of detection algorithms

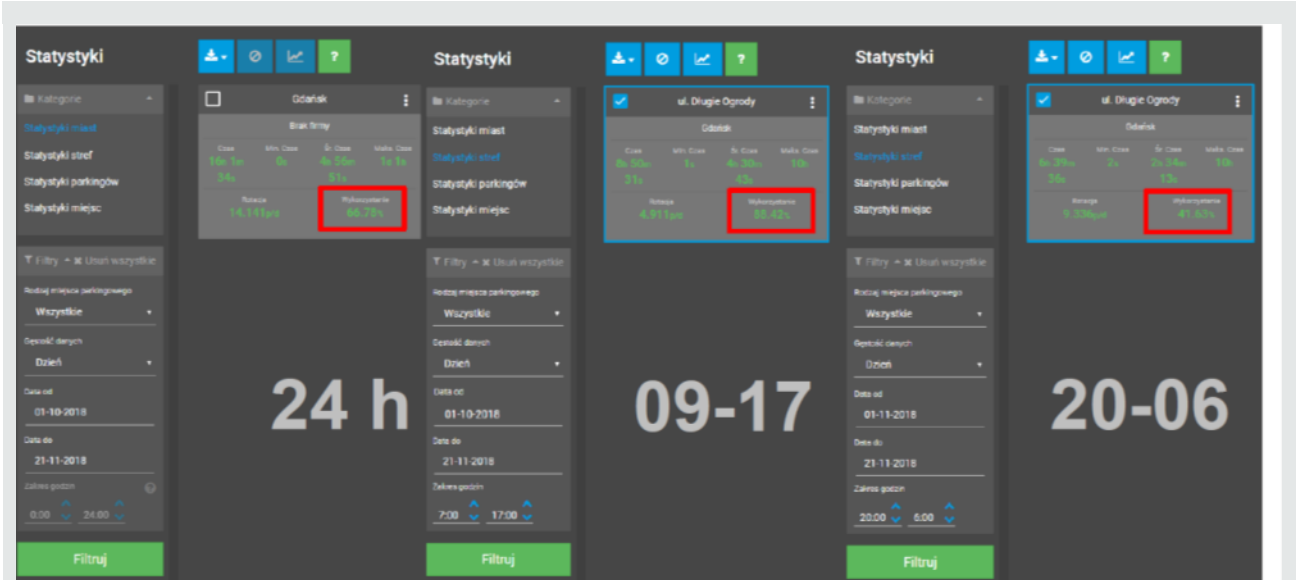


Figure 4: example of administrator panel

Additional links:

- <https://www.comarch.pl/administracja-publiczna/aktualnosci/gdansk-stawia-na-inteligentny-system-parkowania/>
- <https://www.comarch.pl/administracja-publiczna/produkty/comarch-smart-parking/>