NEGATIVE PARKING

SIMPLE DEVICE DESIGNED FOR CITIES, MUNICIPALITIES AND PRIVATE BUSINESSES TO IMPROVE PARKING POLICY IN MORE EFFECTIVE WAY

Drivers who disrespect traffic signs and reserved parking spaces diminish the efficiency of each city operations. Vehicles which block traffic, visibility or the exit of ambulances, police cars, or fire trucks can not only complicate but also endanger humanlives.

Due to the remoteness of urban areas or inaccurate reports to patrols, the effectiveness of parking policy management is reduced and the time for patrol response is often increased.

SIMPLE SOLUTION: THE SIGFOX NETWORK

These problems can be fixed quickly and easily by the Sigfox technology. Via a sensor placed in ground, the adequate person will be informed about the occupation of the place within a few seconds. Based on this reporting the individual can quickly locate and resolve the issue. There is no waste of time or unnecessary cost of Fuel.

From now on, patrols can be assured that something is really going on. Collection of fines will become more effective which is beneficial for the city or municipality itself. By the application of this solution, the local government willhelp to improve road safety and transparency along with an image of an innovative Smart City.

Negative parking is a unique solution by which it is possible to implement parking policy and patrol the current occupancy of a parking space, operations more successfully. It is designed for with the cities, municipalities or private businesses. Parking sensors can also be used to secure paid or reserved or specific administration applications parking spaces.

SOLUTION RENTABILITY

In amedium-sized city in Slovakia with approximately 55,000 inhabitants there are about 260 places with forbidden or limited parking. The estimated battery life of a parking sensors is 7 years.

CALCULATION OF SOLUTION IN SLOVAK CITY WITH 55 000 CITIZENTS

	Without Sigfox			With Sigfox	
Number of fines	4 800	5 280	5 760	6 240	7 200
Amount of fine	1 patrol	10% increase	20% increase	30% increase	50% increase
50 €	249 999,00 €	264 000,00 €	288 000,00 €	312 000,00 €	360 000,00 €
30 €	144 000,00 €	158 400,00 €	172 800,00 €	187 200,00 €	216 000,00 €
25 €	120 000,00 €	132 000,00 €	144 000,00 €	156 000,00 €	180 000,00 €

Prerequisite of effectiveness is the increase in collection of fines. Within a fine of 25 euros and a 20% increase in fines collection, the financial earnings to the city budget willincrease by 24 000 euros.

PARKING PILL

Parking Pill is a low-cost integrated solution for road installation.
It is fully compatible with LPWAN Sigfox technology which allows long distance transmission at low power consumption.

The Parking Pill provides information about the current occuupancy of a parking space, with the with the possibility for further data processing in GIS navigation systems, maps or specific administration applications.

The usage of parking sensors **increases the parking comfort** for any destination. The time savings are increased and the traffic in densely populated
or industial areas is decreased.

Low-cost IoT solution

Low energy consumption

Long life battery

Simple & cost-effective installation

Full integration into the ground

No need for demanding infrastructure