# Smart Parking Management System: 'Smart Split Parking'
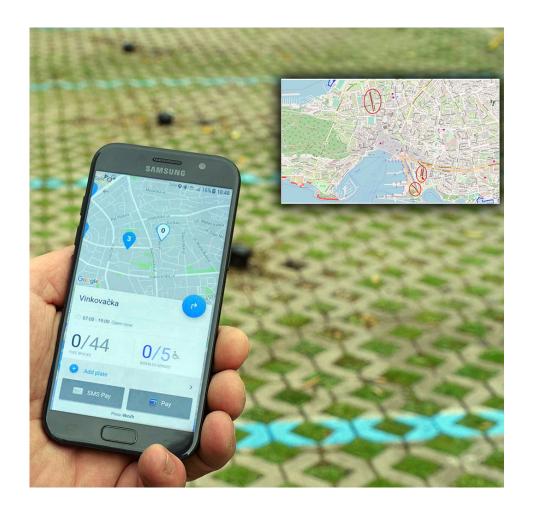
**Implementation of Smart Split Parking application to make parking and access easier for people and goods.**

The growing number of vehicles in Split increases pressure on parking places. In response, the city-based Split parking company developed 'Smart Split Parking' application in 2017. This app provides an interactive view of free parking spaces. There are plans to extend the app to provide specific information for delivery vehicles enabling enable efficient and flexible delivery management.



**Automatic sensors detect occupancy**

**Available parking and delivery spaces viewed online via mobile**

**Citizens able to report improper parking via the app, sending photo, vehicle geolocation and comment**

**Direct street parking payment, by card and PrePay via the app**

## Scope of works

The Smart Split Parking mobile app will make it easier for drivers and deliverers to find available parking space and delivery points. It aims to contribute to reducing noise, reduce vehicle emissions and driver stress levels, especially for delivery drivers.

The system include:

- electric cables installed with sensors built in the parking space
- parking sensor hub connecting parking sensors that detect the presence of the vehicle above the surface
- central control panel controlling sensor hubs and monitoring vehicle movement and parking spaces
- detection and guidance device installed and guidance of delivery vehicles to free parking space
- connecting users to a shared app that allows them to interact with the system.

## Outcomes

This project will provide a user-friendly efficient parking management system, and will enable better organisation of deliveries in the city. The Smart Split Parking system, will offer the ability to control parking places in real time, making it easy to plan new parking places and fees. To date, parking plans were based on earnings in a particular zone, which was insufficient to produce a quality parking management plan.

## Lessons learnt

With the introduction of innovative sensor technology in the parking system and the activation of the Smart Split Parking application, the city-based Split parking company has become one of the world leaders in the use of parking problem solving technology. With this system, Split can become a Smart City of the future.

## Future of the project

All official parking spaces are in the Smart Split parking system.

A planned upgrade to this existing app will see delivery points added during 2018, installing sensors and the required equipment on main delivery points near the city centre. This should provide real time information to deliverers on the availability of their delivery points.

Remaining street parking places can be added into the system immediately with the creation of a new parking space.

**Reduced traffic congestion**

**Lower levels of exhaust gases**

**Reduced driver stress, app provides certainty of vacant space and availability**

**Split becomes a Smart City which will be efficient, safe and enjoyable to live in**

http://smart.splitparking.hr/
http://splitparking.hr/novosti/parkirni-senzori-i-smart-splitparking-aplikacija-olaksavaju-parkiranje-1