

Case study

Public car park



Requirements

A car park with intensive traffic integrated into the city parking guidance system consisting of 4 entries, 4 exits and 1 entry + 1 exit of the zone for prepaid parking. There are different tariffs used (night parking, long-term parking), passage to a reserved zone designed for prepaid parking (these drivers do not park in the zone with a standard hourly tariff or they pay parking fees in accordance with the zone tariff). Payments are made via SMS and the automatic pay station.

Solution

Entry/Exit

The entry to the paid zone of the car park is set with the entry terminal that issues bar code parking cards for short-term parking. The terminal is also equipped with a contactless card reader for long-term parking.

At the entry, there can be a sensor placed on a post. This sensor differentiates vehicles according to their height which allows the vehicles to be allocated to different tariff groups (BUS, Camper, truck, etc.)

A contactless card reader is placed at the entry to the prepaid parking zone.

A contactless card reader is placed on the post at the exit from the prepaid parking zone.

At the exits, the exit terminals are equipped with bar code scanners and contactless card readers for prepaid parking.

Individual terminals control automatic barriers according to the system setting.

Terminals can be additionally equipped with intercoms designed for the communication with attending staff.

Payment

In the car park area, there are automatic pay stations where clients pay their parking fees via the reading of parking cards (that have been issued by the entry terminal).

The automatic pay station accepts coins and banknotes and returns any surplus both in coins and banknotes.

The automatic pay station can be additionally equipped with a credit card module (which is conditioned by a relevant contract with a bank and the connection to the internet)

Sever

The server operates the system, provides information to the attending staff on the state of individual devices

The server controls software modules designed for occupancy monitoring, the module for the creation of reports (statistics, book-closing, etc.), the module for the communication with peripherals, the module for payments made via SMS, etc.

The server allows the car park remote control or to provide repair and maintenance services via the internet or the telephone.

The system is capable of sending sms to phones of authorized persons who can control the system on the basis of coded sms.

The configuration allows the system to be connected to the city parking guidance system.

The server is equipped with the same equipment as the manual pay station so the payments can be made, complaints can be solved and discounts can be validated there.

 GREEN Center s.r.o.

Zenklova 39, 180 00 Praha 8, Česká republika

tel.: +420 266 090 090, fax: +420 266 311 069

e-mail: green@green.cz; obchod@green.cz

<http://www.green.cz>