

Case study

Sport and entertainment



Requirements

Secured entry to the centre with the following features: collection of parking fees, the option of free parking for the fitness centre visitors, a parking fee discount for restaurant guests. Payment of parking fees together with the payment for used services provided by the centre. Monitoring of the visitor turnout statistics.

Solution

Entry/Exit

The entry to the car park paid zone is set with the entry terminal that issues bar code parking cards for short-term parking. The terminal is equipped also with a contactless card reader for prepaid parking as well as for the use of the fitness membership card. The exit is set with the exit terminal equipped with a bar code scanner and a contactless card reader for prepaid parking.

Individual terminals control automatic road barriers according to the system setting. Terminals can be additionally equipped with intercoms to ensure the communication with the reception.

Entry/Exit of the fitness centre

A turnstile equipped with a chip reader and a bar code scanner is placed at the reception at the entry/exit of the fitness centre.

Payment

The automatic pay station is placed in the car park area. The clients can pay their parking fees via parking cards (issued by the entry terminal) that are scanned at the automatic pay station. The automatic pay station accepts coins and banknotes and returns any surplus in both coins and banknotes. The automatic pay station can be additionally equipped with a credit card module for credit card payments (which is conditioned by a relevant contract with a bank and the internet connection).

The manual pay station/client PC is placed at the reception. Here, the parking cards are reactivated to admission cards and admission fees can be paid together with the parking fees or the parking fees can be validated. Then the card can be used for the entry through the turnstile. If the customer leaves the area within the paid time limit and does not exceed the value of prepaid services, at the exit, the customer card is permitted to leave. If the customer exceeds the value of prepaid services, he or she has to settle the outstanding amount at the manual pay station prior to leaving the controlled zone. After that, the customer leaves through the turnstile. Prepaid parking is also administered at the manual pay station.

A CardChecker is placed in the restaurant for the parking fee validation.

Server

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

The server performs administration of the manual pay station/client PC (place of payment at the reception); the server is equipped with the same equipment as the manual pay station so the payments can be made and complaints can be solved there.

The server allows the system 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 reporting on the equipment condition. The authorized persons can control the system on the basis of coded sms.

The server controls SW modules - monitoring of passages, presence of vehicles, fitness centre occupancy - and provides feedback reports (statistics, book-closing), etc.