CARRA
Intelligent Traffic Management Systems

Bewley's Hotel Challenge

Bewley's Hotel at Dublin Airport approached Carra to design a bespoke system to reduce the level of payment evasion by users of its Airport Park and Ride shuttle service. In certain cases customers were using the car park for long periods and attempting to pay for only a few hours when leaving. Furthermore, to mitigate security issues it was desirable to know who was entering the car park. The requirement was to recognise licence plates across two road lanes in opposing directions and capture the data for and provide online activity and parking revenue projection reports.

Carra's Services

The complete installation and configuration an automatic number plate recognition system and server back-end consisting of a media-base of ANPR images, SQL database of historical motorist transit information and reaction-policy for motorists on a watch-list, telephone gateway and variable message sign (VMS) control for alerting, and a back-end server to present the system online to multiple users at the hotel.

Benefits to our customer

Reduced fare-evasion: The supplied system allows our customer to run a Car-park payment validation against each paying customer. Each arrival and departure of the vehicle is at the fingertips of hotel staff. Parking payment evasion has been reduced by up to 80%.

Alerting: The arrival of vehicles on an updatable watch-list triggers a voice call (electronic voice) to a specified phone number. Alerts may then be passed on to hotel security and also the police in the event of certain sought vehicles entered the car park. Alerting of the arrival of anticipated or important customers at the hotel is also used where the system can be configured to send greeting, instruction or warning messages to the car park's VMS.

Parking revenue forecasting: The system is routinely used to check parking payment takings against forecasted revenue at the hotel. It is also used to determine the availability of spaces for bookings.

Our expertise

Carra developed a suite of Java software to power the operation of the management system using our in-house capability to develop bespoke ITS control software based upon Web technologies (HTML, Java and SQL). Coupled with leading ANPR camera technology and a communications solution we demonstrated our strength in integrating hardware and software systems.

www.bewleyshotels.com/dublin_airport

Customer's challenge:

Parking payment evasion, security and revenue forecasting and assurance.

Carra's services:

Design and implementation of an ANPR system and supporting Web-based applications and database.

Customer's benefits:

Reduced fare evasion, improved and automated alerting and parking revenue forecasting.

Carra's Expertise:

Multi-lane ANPR systems, Java application design development, Web server platforms, SQL database development.