



ACE Newsletter Marine

ACE Schweiz,
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Transport

The European Union has initiated a pilot project whose aim is to build secure parking areas

The number of attacks on parkings, in which not only the load is stolen, but also the driver is threatened with a weapon or even injured is steadily increasing. Apart from the long term mental damage to the driver, every year this results in losses of around 8.5 billion Euros, with the trend increasing. The European Union has therefore initiated a pilot project whose aim is to build secure parking areas.

Thousands of motorists and long distance lorry drivers are the victims of assault every year. The majority of these incidents take place when they are resting in car parks and service stations. One such automated secure car park is currently being developed in Wörlitz/ Germany

Vehicle access and entry controls, plus intercoms and CCTV are all fundamental aspects of a modern car park and are fully integrated into the parking system. When a vehicle drives along the entrance slip to the terminal it is identified as a heavy goods vehicle through induction loop recognition, enabling the driver to obtain a ticket conveniently from inside the vehicles cab. At the same time as the parking ticket is requested, the following functions are activated by the parking system, archived in image form in the parking guidance systems database server and linked to the ticket information:

- Registration of the licence plate
- Taking of the drivers photograph
- Taking of a photo of the vehicle from the top left
- Taking of a photo of the vehicle from the top right.

The ticket is then generated and issued with the vehicles registration number printed on it. The barrier and sliding gate, which are designed to operate smoothly and quickly, open and close again once the vehicle has passed through the entrance. During this time the vehicle is captured by camera on all sides and the images are stored digitally in the integrated video system.

High security standards are critical to this project. For this reason, even after the Truck has been parked, it is recorded by a further 4 dome cameras and the images digitally archived. The cameras sweep continuously over the car park and record the video sequences. The truck driver can leave and re-enter the car park via the pedestrian gate at the entrance / exit once his parking ticket has been successfully checked. In the process, every visitor is photographed by integrated cameras and once again the images are digitally stored.

In order to leave the car park with his truck, the driver has to pay for his ticket in the service station shop. This process requires the ticket to be scanned into the cash terminal by the shop employee. The following information is then displayed:

- A picture of the driver
- The vehicles licence plate
- The parking charges

The shop employee is then able to visually compare the picture of the driver taken at the entrance with the person paying. If the pictures are consistent, the truck driver can pay for the parking and return to his vehicle with the enabled ticket. The vehicle is also recorded in the digital system by video camera as it leaves. At the same time departing vehicles licence number is compared with the number recorded upon arrival. If the numbers do not correspond, a conflict alarm sounds, which can only be manually released after being checked by a member of the shop's staff.

Please do not hesitate to call for any further inquiry

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