

Extension of Intelligent Truck Parking in Bavaria

Secure parking areas are an important element of the logistics network and provide vital rest areas for drivers, helping to ensure safety for all road users and provide a higher security for goods, vehicles and drivers. Nowadays, there is a high demand for truck parking across Europe due to the strategic requirements of road freight activity. The lack of appropriate facilities and the over-crowding of some truck parking areas at specific peak times lead to issues such as:

- Dangerous parking (overflow onto motorway entry slip and exit lane), which can produce serious accidents.
- Driving beyond statutory driver stop time limits in order to find a truck parking area with free spaces.
- Increase of the risk of crime.

Furthermore, truck drivers often have no information on the availability of truck parking spaces on their travel routes. This action aims at improving safety, security and reliability by reducing heavy goods vehicles parking space deficits on major road connections and improving truck driver's information.

The following measures are executed within URSA MAJOR neo:

- Implementation of intelligent occupancy detection systems for Truck Parking spaces on important transit axes in Bavaria, similar to the already implemented information system at parking areas located on the motorway A9. Altogether around 45 rest areas will be equipped with the detection system. These rest areas have around 2000 parking spaces for trucks.
- Implementation of new intelligent truck parking methods to increase the capacity on existing rest areas by the intelligent use of existing space.

By organizing parking according to departure times it is possible to accommodate more vehicles in a relatively small space, and the areas used previously as driving lanes can also be employed for parking. Two technologies have been implemented in Bavaria:

- HGV-compact parking at rest area Jura-West (www.kompaktparken.de/en): Dynamic displays show departure times in free parking lanes. When drivers arrive they decide for themselves where to park - depending on when they plan to leave and the length of their vehicle.
- "Lkw-Kolonnenparken" - HGV-queue-parking (www.kolonnenparken.de): The trucks are detected by sensors. The driver has to get a ticket at a terminal. According to the length of the vehicle and the departure time (duration of the break), the parking ticket indicates the selected lane. In addition a green arrow above the lane shows the correct lane.
- Test bed for new truck parking detection systems at rest area Gelbensee on motorway A9. Different technologies are being tested (partly in combination): radar, laser, camera, ANPR, satellite images and others.



For further information please contact

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