



The rest area, which is located at a highway 2, consists of 2/3 truck parking spaces and lanes. The rest area has repeatedly been the scene of truck departures. Television sets, computers and sports equipment were stolen. The police caught only a few thieves in the act.

A video-radio system was installed to monitor the rest area:

- Monitoring of the lanes and parking lots
- Creation of a communication infrastructure for the camera data
- Records of cargo thefts
- Prevention of diesel theft from the tanks of articulated lorries
- Fulfilling the requirements of the insurance company

The wireless routers installed on existing light masts not only transmit the camera data, they also feed the cameras via the PoE interfaces. It is possible to install the wireless routers and cameras on existing light poles and has the advantage that the power supply of the light poles can be used for the wireless router.

Even in adverse weather conditions at night, camera images are transmitted via the wireless system. Once installed, the system operates autonomously and is not subject to any maintenance. The cameras are positioned in such a way that one mast is equipped with three cameras each, so that the lanes can be monitored from different angles.

The images from the total of 18 cameras are transmitted to a central point in the service area via the video radio system. According to the Association of German Car Repair Stations (VEDA), billions are lost every year throughout Germany to freight forwarders and insurance companies due to cargo theft. Every sixth truck driver has been a victim of cargo theft. This leads beside the loss of the commodity also to damage to property, as well as not least the endangerment and uncertainty of many professional drivers

The installation corresponds to the DSGVO regulation and could reduce since start the number of the encroachments massively.

