



Press release

“If section control, then in the best possible way”

License plates with RFID chip from Lower Saxony significantly improve the detection quote

Bremen, June 2016. In the past year, around two and a half million traffic accidents were put on the record - 4.2 percent more than in the previous year. 305,900 persons were injured, 3.475 of them died. One of the main causes of accidents: inappropriate speed. For years, police and Ministry of Transport have been looking for possibilities to catch speeders. Stationary and mobile radar traps are only partially effective, since the locations are often known. Especially on routes, where accidents happen frequently, a new technology called “section control” should provide relief in Germany. It determines average speeds of the vehicles over a longer distance. The first installation of this type will be put into operation shortly on the federal highway 6 between Gleidingen and Laatzen in Lower Saxony. On the 2.1 kilometre, long pilot stretch there is a total of six speed cameras, which determine the drivers’ speed. After a test phase of 18 months, section control could then also be used in other federal states. However, in case of rain, snow or dirty license plates, the camera-based system quickly reaches its limits. The Lower Saxon company J.H. TÖNNJES E.A.S.T. offers now a solution with its additional RFID chip technology. This could significantly increase the detection quota of the planned section control.

“If section control, then in the best possible way”, says Dietmar Mönning, Managing Director at TÖNNJES. “Section controls are a good solution to act preventively against traffic accidents in connection with speeding. However, there is still room for improvement.” The company J.H. TÖNNJES E.A.S.T. from Delmenhorst therefore has developed with the IDePLATE, in addition to the camera-based section control, a product that ensures sure identification of vehicles in any weather. The designation IDePLATE stands here for car license plates equipped with a readable RFID transponder (radio-frequency identification). It contains a unique and unchangeable identification number that can be transferred by means of latest crypto chips in an encrypted manner. Sure, identification takes place with authorised reading devices also in case of bad weather conditions or dirty license plates. Reading is done either stationary or mobile. The IDeSTIX ensures added security - a holographic label with integrated RFID chip. This label is attached to the inside of the windscreen and cannot be removed without being destroyed in the process.

Austria had a section control already installed in 2003 on the A22 in the Viennese Kaisermühlentunnel. According to the operator Asfinag, the number of accidents decreased by around 50 percent within ten years. There were no more fatalities. The average speeds also reduced for motor cars by 10 km/h and for lorries by 15 km/h. Different from the planned test tracks in Lower Saxony, the Kaisermühlentunnel protects the Viennese section from bad weather conditions. These useful framework conditions are not offered by the test section on



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the B6 in Lower Saxony. A use of the additional RFID chip technology by police and Ministry of Transport is not yet planned in Lower Saxony. With an average of 121 rainy days per year in Germany, this could, however, soon prove to be a sensible addition.

Further information at www.toennjes.com/de

About J.H. TÖNNJES E.A.S.T. GmbH & Co. KG

As leading provider of security license plates for vehicles, J.H. TÖNNJES E.A.S.T. offers its customers solutions for vehicle identification for different requirements. The products are used to protect from manipulation, fraud and theft. Equipped with latest technologies, the company develops modular systems and individual complete solutions that fulfil the specific requirements in the fields of security, organisation and logistics.

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