

Pressemitteilung

## **ITS 2021: DKT and carTRUST present forward-looking solutions for the automobility of the future**

- **Deutsche Kennzeichen Technik GmbH (DKT) and carTRUST are jointly presenting their digital solutions for the driving of the future in Hamburg.**
- **The digital vehicle register carTRUST makes it possible to securely identify and register vehicles digitally and to manage property, material assets and rights.**
- **DKT's hybrid license plates allow vehicles to be identified quickly and reliably in stationary and moving traffic by radio link.**

**Ahrensburg, 11. October 2021 – At this year's ITS World Congress, which will take place in Hamburg from October 11 to 15, DKT and carTRUST will present their digital solutions for the driving of the future. In Hall B5, Booth 007, visitors can learn about carTRUST, the secure digital identity of vehicles based on blockchain, as well as the hybrid license plates developed by DKT for the automated identification of vehicles. In combination, these technologies enable true digitalization in road traffic and thus represent key technologies for future smart cities.**

By 2022, the federal and state governments must also offer nearly all administrative services digitally. This is required by the Online Access Act (OZG), and more and more citizens also want secure digital solutions. At least in the registration system, this requirement could be met, because the digital vehicle register carTRUST is a legally secure solution for the digital proof of ownership and rights of vehicles. With carTRUST, vehicles are given a unique and tamper-proof identity. By using blockchain technology and self-sovereign identity, rights can be digitally confirmed, transferred or revoked - and in a completely transparent manner, from acquisition to registration to final decommissioning.

carTRUST thus not only represents a digital alternative to vehicle registration certificates and vehicle titles, but is a key technology for vehicles that can communicate with the digital infrastructure of a smart city. The unique digital identity of the vehicle over its entire lifetime enables the development of new services and offerings - both by local government and private sector companies. Whether it's a digital parking permit for residents, automated billing of parking fees, or the dispatch of push messages to vehicles in certain areas - for example, environmental zones or regions threatened by flooding: carTRUST provides the trust anchor for digital services related to the vehicle. Interoperable, secure, efficient.

## **New hybrid license plate enables simple and secure vehicle identification in stationary and moving traffic**

The hybrid license plate for vehicles developed by DKT is equipped with UHF and HF RFID technology. This allows vehicle data and individual information to be retrieved in real time using a simple RFID reader. For example, DKT's CarCon app can be used to retrieve a vehicle's registration data and check whether the vehicle is insured and taxes have been paid. Likewise, other data can be read without contact, such as in environmental zone management, the status of HU/AU or parking and access authorizations in the inner city area. Overhead readers at sign and toll gantries or other locations in the traffic infrastructure allow vehicles to be identified in flowing traffic.

The operator decides in each case which data on the individual vehicles is stored in the connected database and who may access it to what extent. Authorized users can log into the system with a personal access ID and synchronize the data in real time via a GSM connection. With the CarCon app developed by DKT, a central database solution, the data stored on the hybrid license plate can be compared both on- and offline with the vehicle and registration data. In this way, manipulated or falsified data can be detected within a few moments and, for example, stolen vehicles can be identified in real time. The hybrid license plate from DKT and the CarCon app provide a secure and fast tool for automated or manual vehicle identification - a crucial key technology for mobility in a modern smart city.

## About carTRUST

carTRUST is a brand of Christoph Kroschke GmbH, the leading multi-service provider for vehicles, and is about to be launched on the market. The system is compatible with the i-Kfz project of the Federal Ministry of Transport and Digital Infrastructure (BMVI), which is implementing Internet-based vehicle registration in Germany. With carTRUST, the identity, ownership, possession and rights of a vehicle can be mapped digitally for the first time, so that processes such as registration, re-registration and deregistration can be carried out online without delay. carTRUST enables digital proof of ownership and rights to the vehicle vis-à-vis third parties, thus not only accelerating vehicle processes but also simplifying them for all parties involved.

### FOR QUESTIONS AND FURTHER PRESS MATERIAL PLEASE CONTACT:

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