TÖNNJES
THE VEHICLE IDENTIFICATION COMPANY

EVI – ELECTRONIC VEHICLE IDENTIFICATION

Data Retrieval via RFID Chip

Our RFID products have a wide range of EVI applications, letting you calculate fees for toll roads and car parks, manage fleets, control access and protect vehicles against theft and misuse.
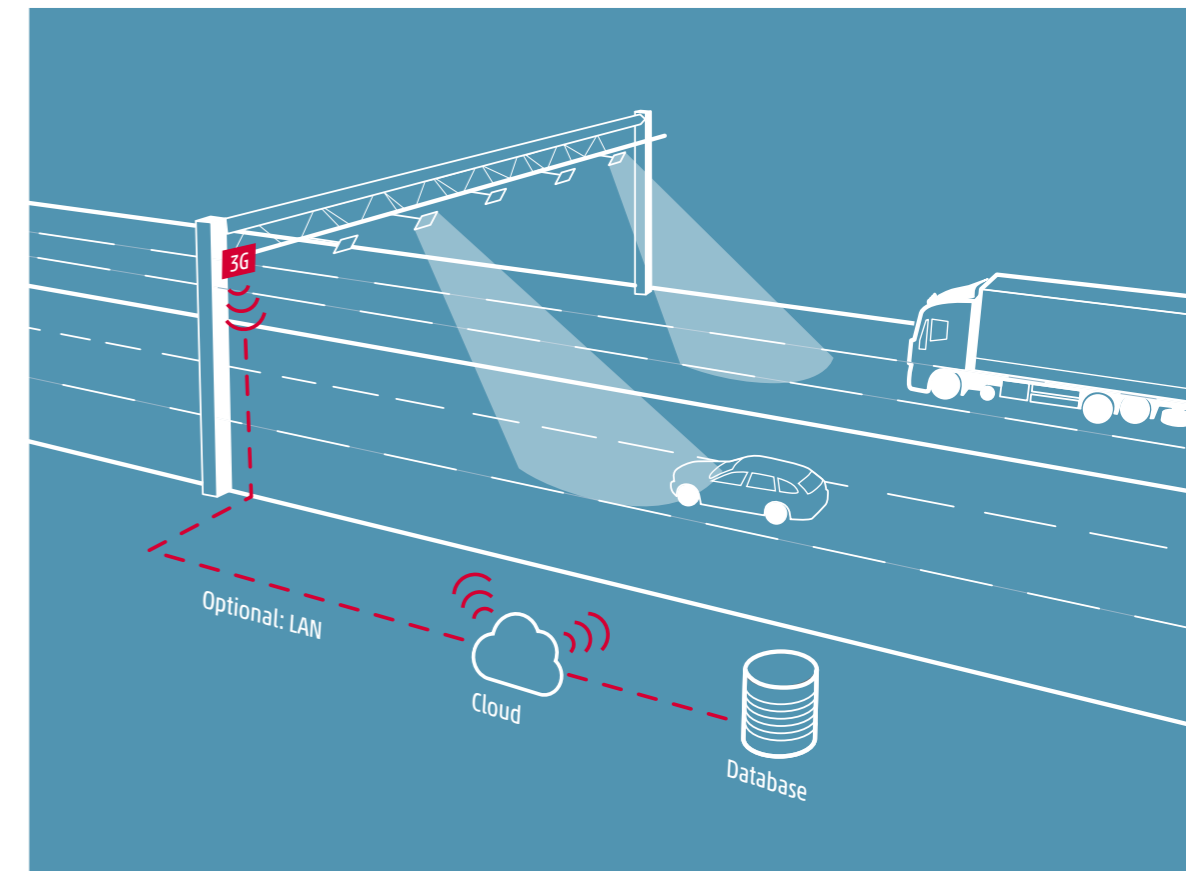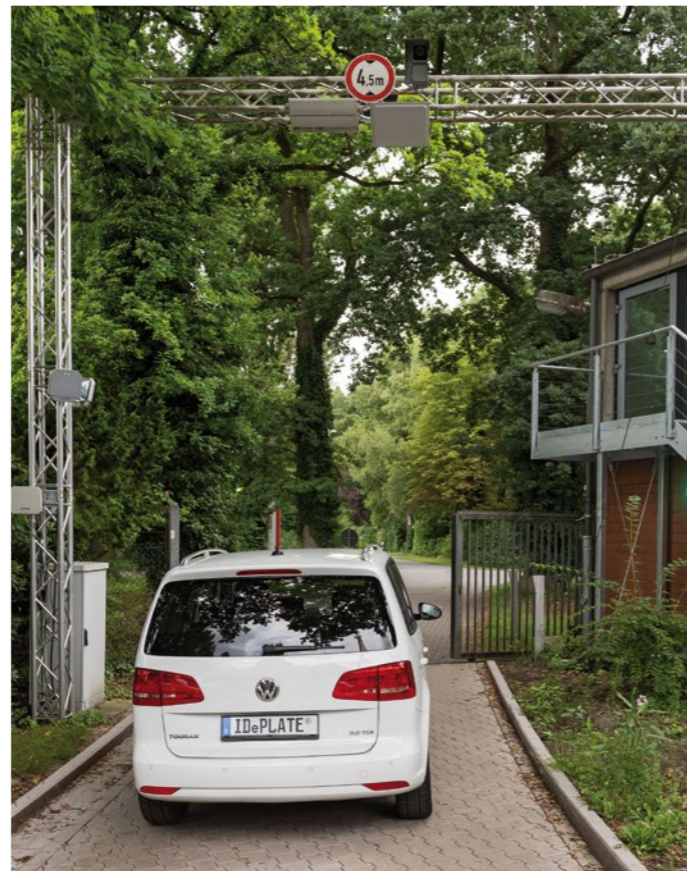

FORGERY-PROOF | UHF chip technology

FRAUD PROOF | identification technology

RAIN RFID | UHF chip technology

IDePLATE®

Modular and forgery-proof identification solutions with RAIN RFID technology.

IDePLATE®
IDeSTIX®
IDeSTIX® Headlamp Tag

Our RFID products make it possible to electronically identify vehicles and monitor traffic in a reliable, contactless and automated way, establishing a surveillance system for traffic offences and providing an effective basis for police investigations.

Our embossed RFID aluminium licence plate, the IDePLATE®, is fitted with a data chip secured against forgery and theft, making it a solution for the future. The IDePLATE® ensures the reliable and secure identification of vehicles in still and moving traffic, regardless of traffic, weather conditions, vehicle models and speed.
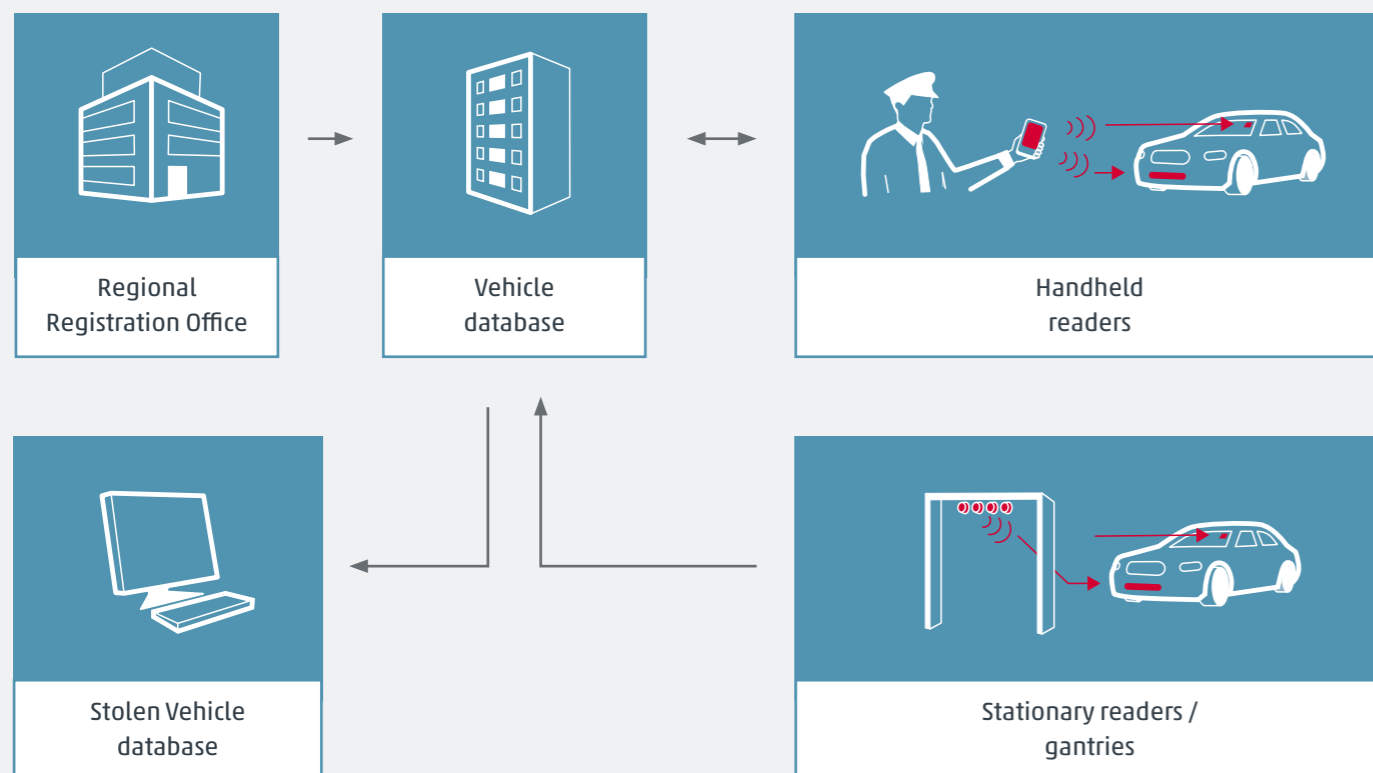
Optional: LAN

Cloud

Database

The »Third Licence Plate«

Our IDeSTIX® windscreen label acts as a »third licence plate«. Its holographic security sticker self-destructs and deactivates the RFID chip when removed. This prevents theft and misuse.

The IDeSTIX® perfectly complements the IDePLATE® RFID licence plate. The combination of both ensures the highest possible level of protection.

Our RFID systems have already proved a success in several countries, including Honduras, Turkey and the Philippines.

Mercedes-Benz
VIN: WDB1704471A234567
REF01
01234567

Regional Registration Office

Vehicle database

Handheld readers

Stolen Vehicle database

Stationary readers / gantries

Data Verification with IDeTRUST®

Our platform-independent middleware, IDeTRUST®, can be used to decrypt data saved on the RFID chip of the IDePLATE® or IDeSTIX®, such as for traffic and access control. The data obtained is then verified and can be exchanged with integrated national interfaces like the police and tax authorities.

Vehicle data can also be verified offline, as our RFID products come with digital signatures that comply with ISO/IEC 20248 standards. Our IDeTRUST® middleware is protected against unauthorised access using a high-performance security system.

IDePLATE®

IDeSTIX®

IDeSTIX® Headlamp Tag

CERTIFICATIONS:
TÖNNJES RFID solutions comply with ISO/IEC 18000-63 and EPC Gen2V2 standards.

Benefits and Applications:

→ The RFID chip can be fitted in licence plates, windscreen labels and/or registration documents

→ Upgradable windscreen label

→ Secured against forgery and theft

→ Self-destructs when removed

→ Combinable with several security features

→ Vehicles can be tracked and traced

→ Accurate traffic surveillance

→ Access management (e.g. barrier systems)

→ Optimal monitoring – no additional cameras required

→ Automated traffic and toll surveillance

→ Automated generation of penalty notices

→ Optimal provision of data for traffic statistics

→ Accurate vehicle identification in moving and multi-lane traffic, at high speeds and in all weather conditions

→ Invisibility mode available

EVI – Electronic Vehicle Identification

· IDePLATE®
· IDeSTIX®
· IDeSTIX® easy
· IDeSTIX® Headlamp Tag
· IDeTRUST® RFID Middleware

Software Solutions

IDeTRUST® Software Solutions:
· IDeTRUST® Order Mangement Software
· IDeTRUST® Vehicle Registration Software
· IDeTRUST® RFID Middleware
· IDeTRUST® Verification App

Security Solutions

· Holographic windshield labels
· Holographic licence plate label
· Serial number and bar codes including digital signatures
· Watermarks
· Hot stamping foil
· Security caps
· Holder
· Tamper evident licence plates

Production Technology

· Production lines and custom machine development
· Roll-to-roll solutions
· IDeROBOT®
· IDePRESS®
· Manual embossing presses
· Embossing tools
· Hot stamping machines

TÖNNJES
THE VEHICLE IDENTIFICATION COMPANY

TÖNNJES INTERNATIONAL GROUP

Syker Straße 201
27751 Delmenhorst
Germany

Tel. +49 (0) 4221 795-315
Fax +49 (0) 4221 795-300

Marienhütte 6
57080 Siegen
Germany

Tel. +49 (0) 271 338838 - 0
Fax +49 (0) 271 338838 - 03

info@toennjes.com | www.toennjes.com