

INVISIBLE DIGITAL SECURITY SEAL PROTECTS SWAP BODIES AGAINST BURGLARS

 Branch: Transport and logistics



Challenge

New telematics functionality for simplified management and localisation of parked swap bodies. TheConcept offers additional cost benefits.

Important functions

-  Track + trace, geofencing, stock management
-  Monitoring door status
-  Digital seal, alarm messages
-  Documentation of damages

Special feature

Enhanced security by an invisible digital seal

Vehicles with telematics systems

1000 Swap bodies

Telematics customer since 2010

Software: cargofleet 3

Devices: TC Solar



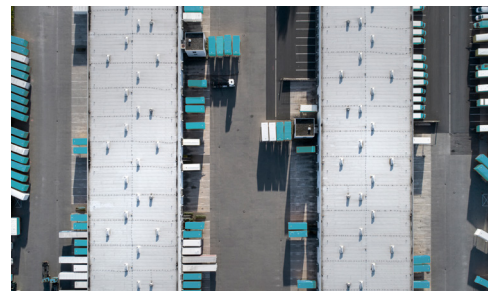
“We are extremely pleased with this award. It confirms that our solutions provide the optimum answers to the real challenges of day-to-day business in the transport industry. Our engineers work on state-of-the-art, cost-effective telematics applications that provide vehicle operators with concrete, straightforward support“

Jens Zeller, Managing Director
idem telematics GmbH



“The telematics platform cargofleet 3 from idem telematics simplifies the management and localisation of parked swap bodies von idem telematics.”

Heiko Boch, Product Manager, idem telematics GmbH



Challenge

Cargo theft ranks among the most urgent problems of the transport industry. According to joint estimates of several industry associations, undertaken together with the BGL, which is the trade association and lobby group of the German road haulage, logistics and waste disposal sector, **cargoes are stolen from almost 26,000 trucks a year**. Expressed statistically, this corresponds to a theft being committed every 20 minutes. **The stolen goods alone are valued at 1.3 billion euros**, and the crimes give rise to additional losses of 900 million euros because of penalties for late delivery, repair costs, as well as loss of turnover and production downtimes for the intended recipients. Applying conventional security seals is not only a nuisance, however, but also costs time and therefore money. In addition, seals that are visible from the outside indicate to thieves that the body contains valuable goods.

Solutions and Benefits

Enhanced security is provided by an invisible digital seal, and the new system simplifies management of both swap body fleets and their depots.

The **invisible digital security seal** is being introduced by idem telematics to protect swap bodies against cargo theft and offer users additional cost benefits. The new digital seal is completely invisible and can safeguard the body and its cargo according to individually determined parameters (e.g. geofencing). Any authorised attempt to interfere with the door is detected immediately and triggers a message – to the driver, the forwarder and, if desired, to other interested parties as well. The digital security seal also generates **a seamless record of its responses in a data format that is recognised for legal purposes**. Emons contributed to the development from a cost perspective as well, and concluded that its ease of use could cut costs.

The new **swap body management system** for cargofleet 3 was developed by engineers working for the BPW subsidiary idem telematics together with transport experts employed by the forwarder Emons of Cologne. No new hardware components are required to implement the additional functionality. The maintenance-free telematics box TC Solar continues to take care of the **discrete power supply, and data capture and transfer, and the data are presented as required by users** in the online portal and on portable tablets and smartphones. Digitisation **simplifies the management and localisation of parked swap bodies**, but this new solution offers even more. It automatically assigns the individual bodies to the depots that are responsible for them. A shortfall in the pool is immediately signalled by the cargofleet3 portal. Thanks to these features, cargofleet 3 not only delivers **end-to-end transparency and efficiency**, but also **analyses and optimises the depots' performance**. For the first time, the data can also be made accessible to external maintenance service providers. Damage is recorded by a mobile app, and each subsequent stage in the repair process is posted in the portal.

The digital security seal and new swap body management system are available as **components of cargofleet 3** with immediate effect. Their functionalities can also be enabled for existing users and configured for their specific internal processes if required.

Emons Spedition GmbH

Ever since the company was set up in 1928, the name Emons has stood for dependable and flexible transport and logistics services. As a medium-sized, independent, family-run company with more than 100 branches in Germany, Bulgaria, China, Denmark, Georgia, Italy, Kazakhstan, Lithuania, Poland, Romania, Russia, Taiwan, the UAE, Switzerland, the Czech Republic, Turkey, Ukraine, the USA and Belarus, Emons Spedition is an established enterprise in this sector.

idem telematics – connecting all road transport: As Europe's leading telematics partner, idem telematics supports forwarding agents, fleet operators and shippers in continuously improving their core business by means of data, thereby increasing their profitability, customer satisfaction and competitiveness. Europe's market-leading, all-in-one cargofleet telematics platform for trucks, trailers, freight and logistics consolidates and summarises the data sets of vehicles, drivers and freight. idem telematics provides a complete system for increasing the transparency and profitability of the entire logistics process. The benefits: unique customer proximity and flexibility for individual telematics requirements based on 20 years of telematics, transport and logistics expertise. idem telematics is a