

## SmartCargo – A major step towards smart freight trains

**With SmartCargo we are making our freight wagons smart and are setting a new standard in rail freight transport. Because we want to offer our customers more: better service, better planning, better transport quality. One small red box for our wagons, one giant leap for European freight transport.**

When it comes to the safety of your goods, we leave nothing to chance. That is why we are equipping our freight wagons with the latest telematics technology as part of the SmartCargo project, which enables us to obtain detailed data about the shipment. The solution transmits all necessary route parameters, vertical and horizontal shock detection and real-time information on the location and temperature outside the wagon. The data is collected by self-powered boxes mounted on the outside of the wagons, which transmit up-to-date data to our systems every 30 minutes.

### Your benefits at a glance

- **Real-time information:** You are always up-to-date with the current location of the wagon with your goods.
- **Shock detection** for transport analyses
- **Optimised use of equipment**
- Improved service quality thanks to **early detection of wagon damage**
- Even **better service quality**
- **More efficient logistics processes** achieved through continuous technological development
- Use of all customer-related features of the MIKE customer platform, e.g. consignment tracking with **MIKE Tracking** and ordering empty wagons & supply information of scheduled empty wagons via **MIKE Ordering**.

Equipping our freight wagons with SmartCargo highlights our innovative strength to the outside world. Behind the scenes, we are already preparing many further digitalisation measures. We intend to use the latest sensor technology to determine the loading status of our wagons and to detect unlawful door openings. These and other technologies will be added and made available to you on an ongoing basis after an intensive testing and review process.

