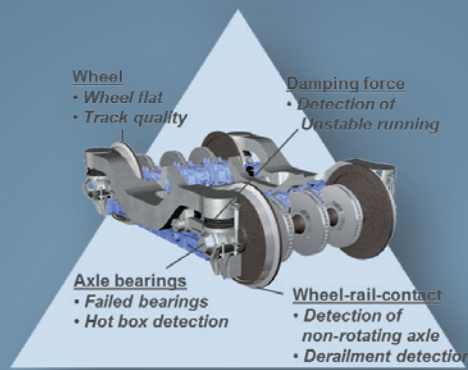


SAFETY



LCC
REDUCTION

INCREASING
AVAILABILITY

COMORAN® – Condition Monitoring for Railway Applications



APPLICATIONS

LRV | Metro | Regional & Commuter train | High-speed train |
Locomotive | Passenger car

KNORR-BREMSE



DESCRIPTION

Knorr-Bremse has developed a monitoring and diagnostic system for powered and unpowered bogies and their components. Integrated into the braking system, COMORAN® identifies critical and safety-relevant conditions such as damage to wheel set bearings, hot axle boxes, unstable running or derailment, in accordance with TSI High Speed requirements. The system also provides comprehensive data that enables condition-based maintenance work to be carried out economically.

ENHANCED MAINTAINABILITY

- easy integration into the brake control unit
- condition monitoring for: wheelset bearings, wheel treads and flats, wheelset guidance, track monitoring
- early identification of defects and wear
- enhanced safety through detection of critical conditions
- introduction of condition-based maintenance

IMPROVED TRAFFIC MANAGEMENT / SAFETY

- safety-critical monitoring functions in accordance with TSI High Speed for: hot axle box detection, detection of non-rotating axles, derailment detection, bogie hunting
- results are displayed on and off-board: on-board for immediate driver or system interaction if required, off-board via train-to-ground communication for extensive trend analysis and maintenance operation

LESS LIFECYCLE COSTS

- less lifecycle costs
- reduction of lifecycle costs
- extended train availability

Disclaimer: We have prepared the product description with due care but cannot exclude any errors. The product description does not contain any warranty or guarantee, in particular neither regarding correctness, accuracy and completeness of contained information nor regarding quality, negotiability, adequacy for certain purposes and compliance with laws and patents of described products.