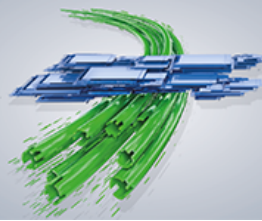




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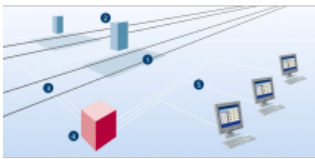
**INNOVATIONS
AND TRENDS**



Mobile Wheel Monitoring System (WMS)



Fully automatic monitoring of wheel and track treads



- 1 Messstelle**
 - Automatische Messung aller vorbeifahrenden Fahrzeuge
 - Fahrzeugidentifikation
- 2 Messwertfassung und Auswertung**
 - Datenerfassung
 - Datenanalyse
- 3 Fernübertragung**
 - Datenübertragung an die Datenbank
- 4 Datenbank**
 - Speicherung aller Daten
- 5 Analyse am Arbeitsplatz**
 - Identifikation Radschäden
 - Zustandsabhängige Wartung

Wheel Monitoring System WMS

The newly developed mobile WMS offers the benefits of a fully automated WMS at an attractive price. It is designed to monitor wheel damages as polygons and flats and their evolution. The mobile WMS is quick to install and grants early detection of wheel damages, noises and vibration reduction and increased safety, condition based maintenance and cost saving from less maintenance and higher runtime of wheel sets. The mobile WMS is installed temporarily, identifies the passing vehicle, analyses the wheel tread quality, stores the results to a databank and provides reliable, fast and plain results about wheel conditions within a rail fleet, spread of wheel damages and the development of wheel damages. The large datasets collected by the mobile WMS may be used for statistical analyses on identifying root mechanism.

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Subject to further change