

 zedas<sup>®</sup>asset



Comprehensive  
asset management  
for rail vehicle fleets

 zedas

# Challenges in asset management for vehicle fleets – a specialised solution from ZEDAS

## Market situation in fleet management

Cost savings and increased efficiency are more important than ever before in the management of vehicle fleets. Vehicle availability, reliability and safety must be guaranteed at all times.

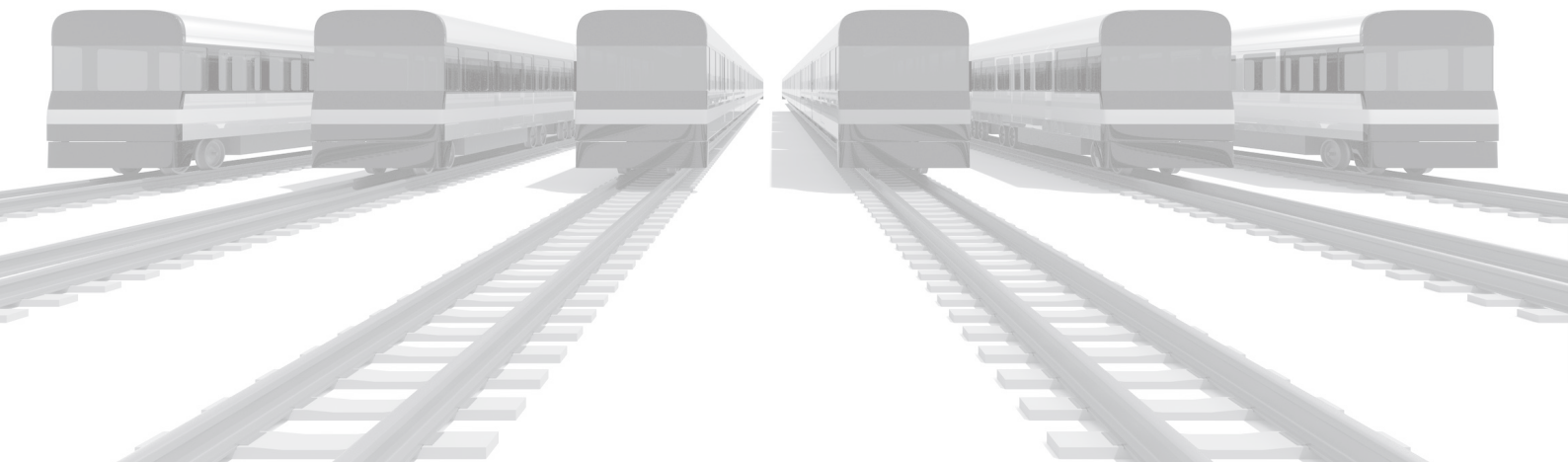
## Challenges in everyday business:

- » How do you detect vehicle issues at an early stage?
- » How can you minimise out-of-service time and idle time caused by technical failures?
- » How do you provide operating data or diagnostic data recorded on mobile devices for maintenance planning?
- » How do you set the right maintenance strategies?
- » How do you plan and optimise your workshop procedures?

- » How do you develop long-term investment planning?
- » How do you calculate LCC and RAMS indicators?
- » How do you record compliance with safety regulations (ECM)?
- » How do you ensure a complete flow of information from the manufacturer to the maintenance team?

## zedas® asset: the asset management solution

Monitor the condition of your fleet and efficiently control the use of service and maintenance resources. zedas® asset records condition data in vehicle operation, evaluates this data and enables you to predict vehicle behaviour. The results go straight into maintenance planning. This solution supports your continuous improvement process and your investment decisions.



## 1 Data collection

Access condition data straight from the vehicle OBU. Record measuring data (wheel set data) during maintenance and load/stress data (oil pressure, mileage and temperature) during operation.

Keep up-to-date with vehicle status and condition during operation.

## 2 Analysis

Analyse condition information to detect any critical issues.

Automatically generate detailed fault messages using the standardised error list and detect production defects and weak points on this basis.

## 3 Planning

Plan corrective and preventive maintenance.

Improve workshop efficiency by working out what jobs are coming up, forward-planning and creating the best possible resource availability.

## 6 Forecasting

Forecast the future vehicle condition on the basis of current and historical data, and plan maintenance on that basis.

Increase the reliability and availability of your vehicle fleet.

## 5 Documentation

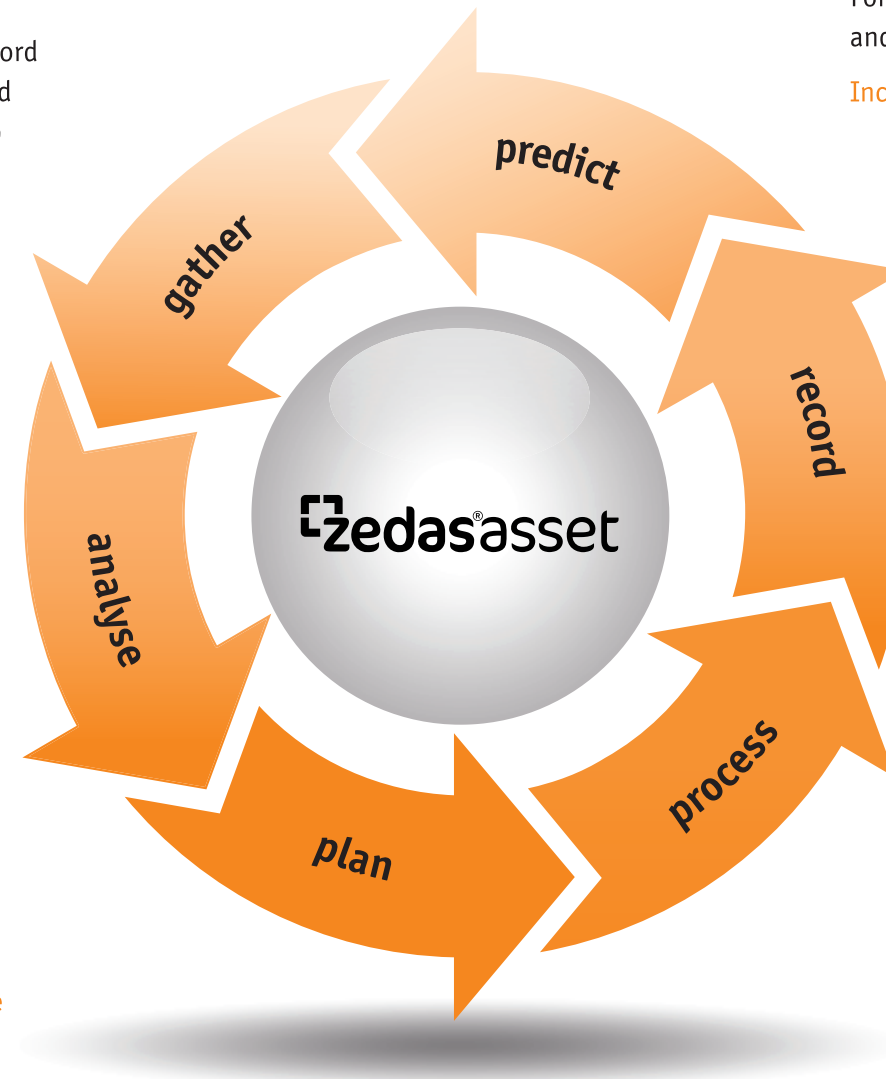
Document vehicle condition information, component changes and the use of resources.

Ensure ECM-compliant workshop documentation. Check your planning and efficiency using variance analyses. Monitor the warranties for vehicles and components.

## 4 Processing

Use checklists and work packs to process your maintenance jobs.

Avoid idle time in the workshop and vehicle out-of-service time. The best possible use of resources is ensured in line with qualifications, skills and availability.



zedas<sup>®</sup>asset - solutions for individual requirements for every stakeholder group, above and beyond standard service

### Manufacturers

documentation of commissioning and LCC/RAMS evaluations

### Operators

monitoring for vehicle conditions and costs

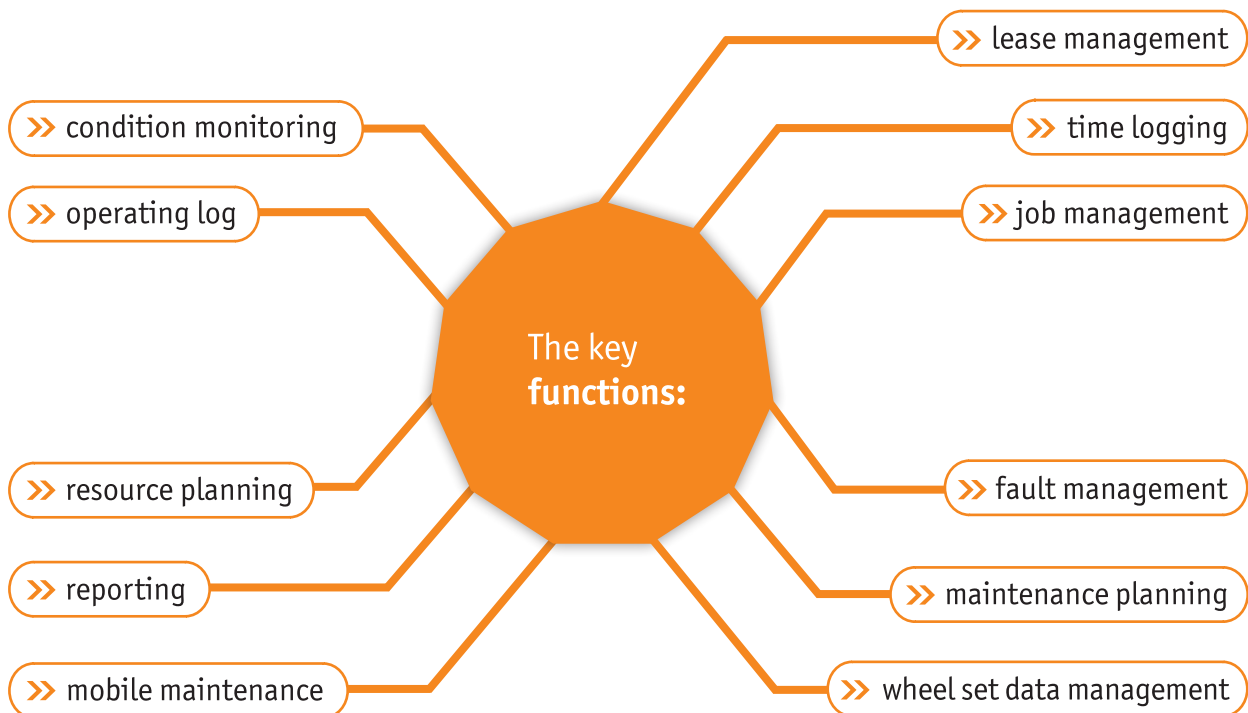
### Maintainer

planning and documentation of maintenance work

### Leasing Companies

lease and invoice display

## Mapping all processes: simple – consistent – up-to-date



### The **benefits** of zedas®asset:

- » overview of the current condition of the vehicle fleet
- » automation of workshop procedures
- » comprehensive documentation of maintenance history
- » component-specific monitoring of warranty terms and warranty entitlements
- » location-specific analysis of weak points and production defects
- » ECM-compliant workshop documentation
- » excellent integration into existing system environments thanks to standardised interfaces (ERP, wheel set measuring equipment, underfloor lathe, RSRD<sup>2</sup>)

## About ZEDAS GmbH

ZEDAS GmbH develops software products for the maintenance management of vehicle fleets and technical systems and for the logistical management of rail traffic. With more than 25 years of experience and a specialised, powerful network, we support professional customers worldwide.

Our standard solutions offer administrative and operative support for process management in specific sectors. Our customers have access to experienced consultants who provide excellent expertise for the complete implementation of their projects.

A 24/7 support and update service ensures reliable operation and guarantees you a state-of-the-art product for the long term with high investment security.

Our expertise in the rail market and our many years of experience guarantee that your project will be implemented successfully.

Current information at  
[www.zedas.com](http://www.zedas.com)



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product video