



Wear in the wheel-rail system

We are your competent point of contact when it comes to clarifying the causes of wear problems in the wheel-rail system, and developing corrective material and maintenance measures.

Our services:

- Assessment of the use of materials in the vehicle and the track
- Analysis of wear problems in the wheel-rail system, such as:
 - Uneven wheels and damage to the wheel running surface
 - High cross-profile wear on the wheel and rail
 - Development of cracks in axle shafts
 - Head checks and squats in rails
 - Wear on the common crossings, wing rails and other switch components
- Damage analysis (accredited in accordance with DIN EN ISO 17020)
- Creation of technical studies and expert opinions
- Consulting for corrective material and maintenance measures
 - Recommendation of alternative materials, maintenance and surface treatment processes
 - Inspections on 1:1 wheel-rail test rigs and comparison in operation
- Consulting in the substitution of materials for spare parts procurement
- Review of drawing and specification requirements, conformity with regulations, issues concerning approval
- Qualification of new suppliers through inspections on 1:1 wheel-rail test rigs and field tests
- Test rigs for issues concerning wear, service life and noise in the wheel-rail system

The benefits for you:

- Decrease maintenance costs up to -50%
- Increase system availability up to +30%
- Reduction of life cycle costs up to -30%
- Increased safety for the railway traffic

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