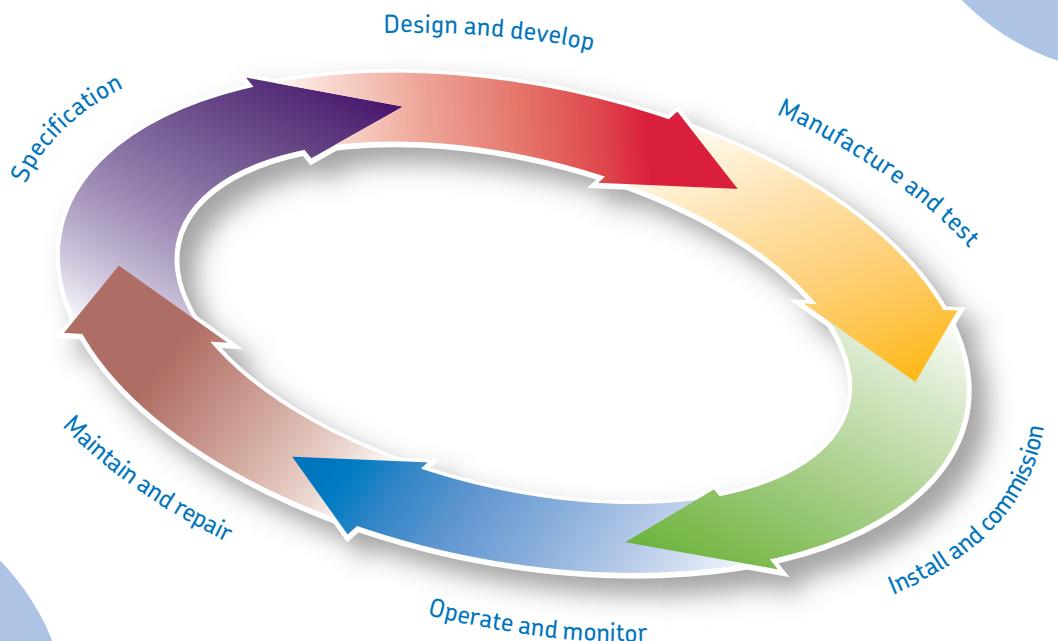


SKF Asset life cycle management



A range of solutions to help the railway manufacturers and operators to improve safety, reliability and profitability

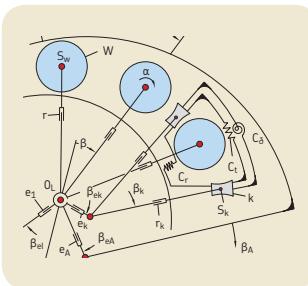
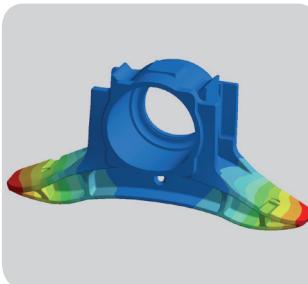
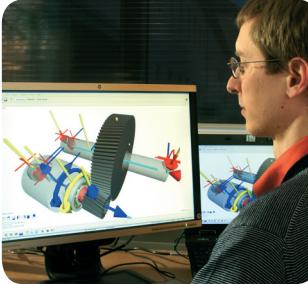


SKF Asset life cycle management

Life cycle partnership

With the life cycle partnership concept, SKF combines all its expertise and technologies to help railway customers meet their economical and environmental challenges, such as:

- innovations for profitable and sustainable growth
- development and implementation
- asset management and remanufacturing
- local presence



Specification

As market leader and technology trendsetter, SKF is committed to the special demand in the railway industry and offers customized solutions and products.

Design and develop

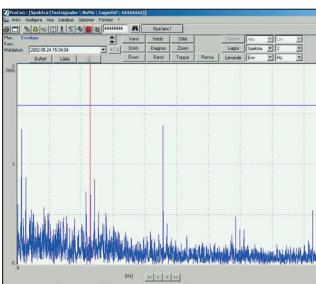
SKF knowledge platforms and established practical experience can provide a precise customer needs analysis and a future-oriented solution – based on economic and environmental requirements in railways.

It is more than a partnership that unites SKF with its customers; it is a close and highly involved relationship from the start, driven by joint values such as: safety, quality, profitability and energy saving.

Manufacture and test

SKF has an experienced railway team and manufacturing standards in excellence, accompanied by quality control and quality assurance techniques as well as dedicated railway test centres in China, Russia and Europe.

The decisive key for long term reliability is rigorous performance and endurance testing in modern test rigs as well as in the field, certified by significant qualified authorities.



Install and commission

The SKF installation service offers the best holistic service from homologation to on-site mounting, including manuals and documentation and individual training.

The highly trained local sales and service engineering SKF teams provide railway customers with dedicated application knowledge and personal support, in the local language and for customized requirements.

SKF's strong local resources, around 140 manufacturing and operational sites in 32 countries, offer the best customer service capabilities to the global railway industry.

Operate and monitor

SKF has a deep knowledge of railway reliability that is unmatched in the world. Close working partnerships with customers has given SKF a unique and intimate understanding of the processes and challenges specific to every railway industry. As a result, SKF stands apart as a total solution provider for maximizing reliability, safety and operator productivity.

Using condition detection systems and applying sophisticated algorithms for data processing can detect incipient damage and allow sufficient time for repairs before significant mechanical failures occur, thus lowering life cycle costs.

Maintain and repair

Maintenance and repair performed by SKF personnel provides longer product life, reduces unplanned maintenance and increases uptime. SKF offers an individual maintenance strategy and engineering plan.

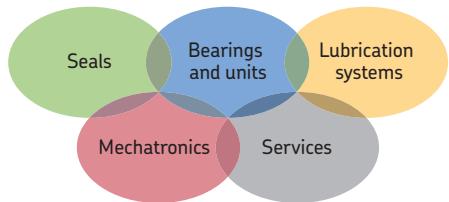
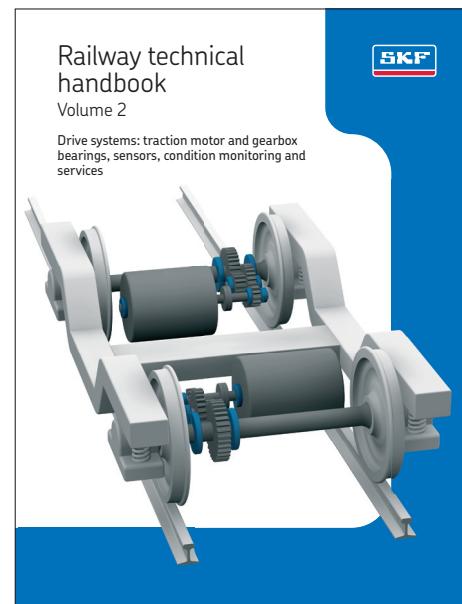
SKF personnel remanufacture bearings and return them as good as new, using state-of-the-art technologies, strict reuse guidelines, advanced remanufacturing systems and rigorous quality control.

Railway technical handbooks

These railway technical handbooks cover:

- **Volume 1**
axleboxes, sensors, condition monitoring, subsystems and services.
- **Volume 2**
Drive systems: traction motor and gearbox bearings, sensors, condition monitoring and services

They have been developed with various industry specialists in mind. For designers, these handbooks provide the information needed to optimize a variety of features. For railway operators' specialists, there are recommendations on how to maximize service life through appropriate mounting, maintenance and condition monitoring.



The Power of Knowledge Engineering

Drawing on five areas of competence and application-specific expertise amassed over more than 100 years, SKF brings innovative solutions to OEMs and production facilities in every major industry worldwide. These five competence areas include bearings and units, seals, lubrication systems, mechatronics (combining mechanics and electronics into intelligent systems), and a wide range of services, from 3-D computer modelling to advanced condition monitoring and reliability and asset management systems. A global presence provides SKF customers uniform quality standards and worldwide product availability.

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