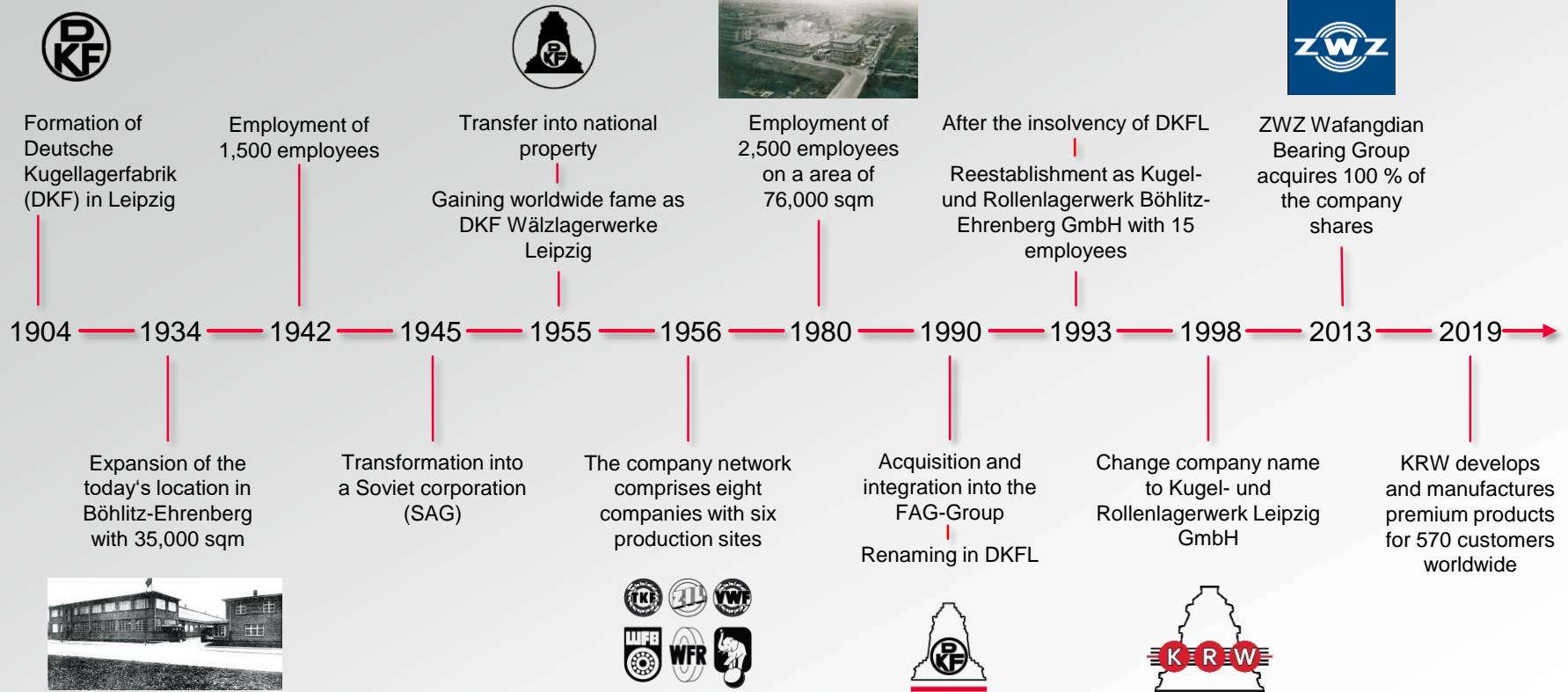


Kugel- und Rollenlagerwerk Leipzig GmbH

company presentation

History of the KRW



Kugel- und Rollenlagerwerk Leipzig GmbH

Sales Representative Office China

Yusi Zang

Phone: +86 21 33 665 738

China@krw.de

KRW Bearings Pvt. Ltd.

Rohan Sharad Raut

Phone: +91 84 240 56 700

India@krw.de

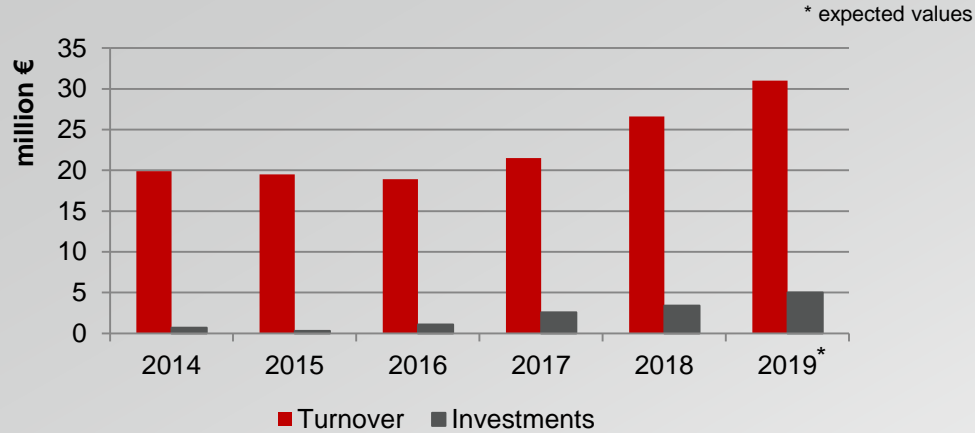
Representative CIS

Ivan Gassov

Phone : +7 701 100 15 84

Ivan.Gassov@krw.de

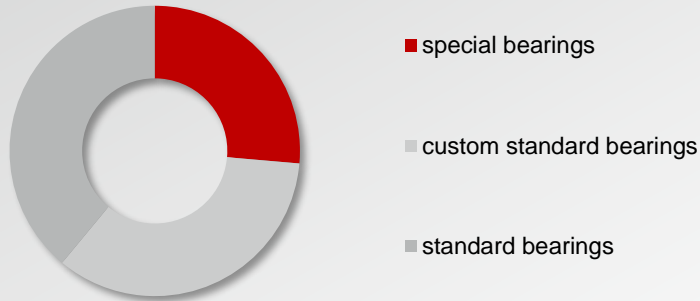




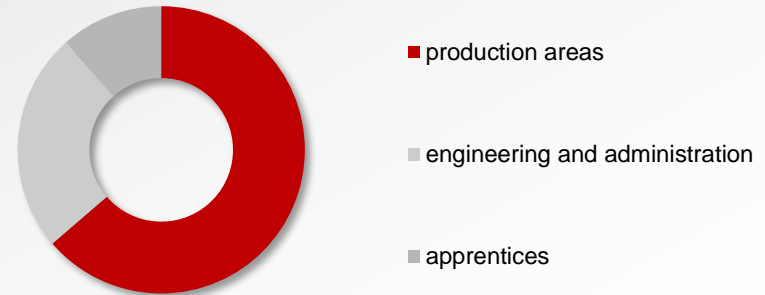
KRW presents today

- customer-oriented action
- innovative product design
- maximum flexibility
- most modern production technologies
- highest precision

over 900 different bearing types ²⁰¹⁸



235 Employees ^(Status: 31-12-2018)



machine equipment & tools



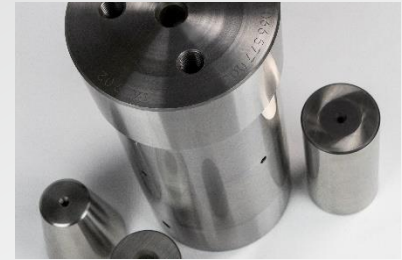
raw material processing



rail & transportation



components



paper & plastics processing



rolling mills



industrial & large gearboxes



offshore-technologies



manufacturing of precision parts

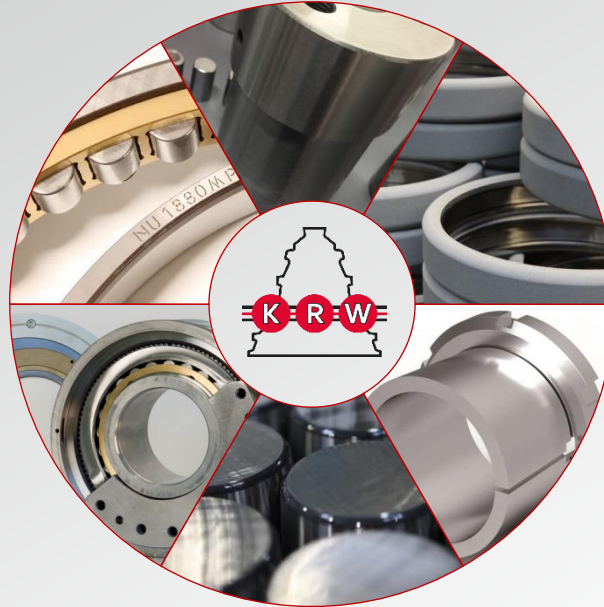
- diameter range of 50 mm - 1.350 mm

bearings according to ISO 15

- diameter range of 50 mm - 1.350 mm
- tolerance class PN until SP
- clearance class CN until C5
- dimensionally stable S0 until S4
- bearings with ceramic rolling elements

application-specific bearings

- diameter range of 50 mm - 1.350 mm
- special designs and space-related bearing dimensions
- customer specific bearing features and integrated bearing solutions
- application-specific material selection and internal geometry



rolling elements

- diameter range of \varnothing 20 mm - 180 mm
- customized geometry and profiles

materials and coatings

- through hardening martensitic and bainitic bearing steels
- case-hardened bearing steels, nitriding steels
- special materials for high performance applications
- coatings against current, wear, aggressive media

bearing equipment

- plummer block housings / special housings
- adapter and withdrawal sleeves according to DIN 5415 and DIN 5416 or special dimensions
- bearing insulating washers
- assembly and disassembly equipment

selection, dimensioning and calculation of bearings according to ISO TS 16281

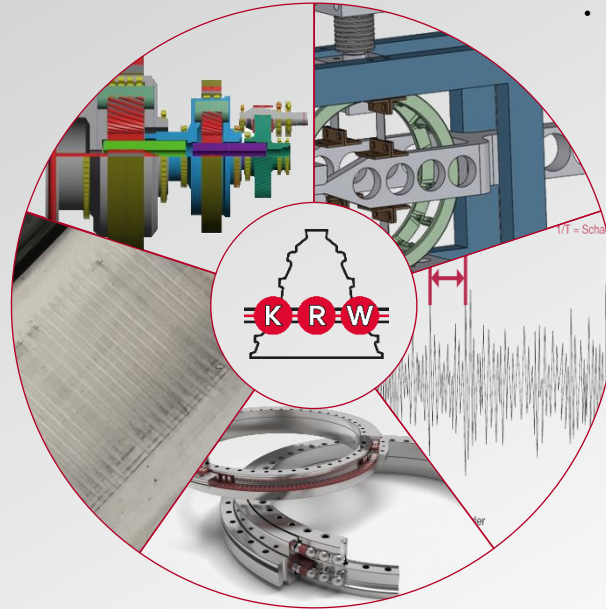
- complex gearbox calculation including housing stiffnesses
- consideration of bearing internal geometry, bearing clearance, temperature influences, shaft bending, material properties

FE analyzes and testing of bearing components

- simulation and testing of bearings
- durability tests
- cooperation with renowned institutes and universities

diagnosis of bearings

- expert knowledge in damage analysis
- holistic view of the operating conditions
- metallographic investigations and evaluation
- lubricant analysis



bearing vibration analysis according to VDI 3832

- damage detection during operation
- evaluation of vibration signals
- identifying the causes

product developments

- ROTAB®-series for machine tools
- MPEA-cage for cylindrical roller bearings
- ACB-series – self-aligning cylindrical roller bearings



235 highly motivated employees manufacture KRW-bearings on 35,000 sqm



In-house heat treatment with a total capacity of more than 3,000 mt / year is the basis for the outstanding properties and longevity of KRW bearings



Only the combination of state-of-the-art technologies and over 115 years of experience creates the precision that characterizes KRW bearings



From serial to single-piece production, KRW relies on maximum flexibility



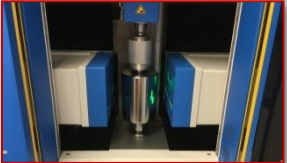
KRW bearings are manufactured exclusively from **premium steel** according to ISO 683-17
All suppliers manufacture corresponding to **KRW quality standards** and meet the strict technical delivery conditions



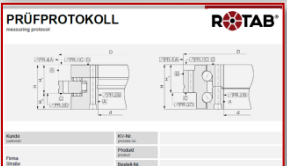
The quality management is certified in accordance with **ISO 9001:2015** and the energy management according to **DIN 50001:2008**



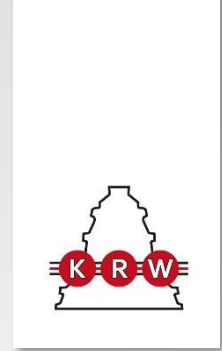
An **in-house metallurgical laboratory** performs production-accompanying, destructive material testing
modern facilities for **ultrasonic, magnetic powder and eddy current testing**



More than **10,000 measuring devices** are used during production



Every KRW product is **traceable down to the raw material batch**
Upon customer request, bearings are marked continuously and thus every desired feature is documented



Kugel- und Rollenlagerwerk Leipzig GmbH

Gutenbergstraße 6
04178 Leipzig

Phone: +49 341 453 20 200
sales@krw.de

www.krw.de