



Specialized in bearings for the food industry



Rethinking Rotation.

Established in 1990 in Dortmund, Germany, **KIS Antriebstechnik GmbH & Co. KG** offers a broad variety of customised rotating solutions and product developments in bearing technology to customers worldwide.

A family-owned 2nd generation company founded 34 years ago, KIS has demonstrated niche leadership by becoming a global success story with its products distributed in over 45 countries worldwide. Developed in close collaboration with the client for specific applications, KIS products are not standardised catalogue goods but individually optimised solutions.



KIS Bearings and Slewing Rings :

- ✓ Development and design of customer-specific system or individual part solutions
- ✓ Meticulous prototyping process
- ✓ Monitoring of production and assembly
- ✓ Extensive quality checks and practical tests



MISSION ENERGY AUTARKY 2027 at the KIS headquarters in Germany

- ✓ Self-sufficiency through sector coupling with PV systems, high-tech heat pumps & modern storage systems
- ✓ Carbon neutrality through self-supply in Scopes 1 & 2 from 2027 at the latest

Fully Equipped Measurement Laboratory:

- ✓ Hardness test
- ✓ Lubricant analysis
- ✓ Profiling and dimensional inspection
- ✓ Noise & vibration
- ✓ Material analysis
- ✓ Surface texture
- ✓ Microscopic examination
- ✓ Function test
- ✓ Wear analysis



Learn More:
www.kis-gmbh.de



KIS Product Range



Bearings

- Deep groove ball bearings
- Spherical roller bearings
- Cylindrical roller bearings
- Tapered roller bearings
- Self-aligning ball bearings
- Needle bearings
- Track rollers
- Stud type track rollers
- Yoke type track rollers



Slewing Rings

- Ball bearing slewing rings
- Roller bearing slewing rings

Combined Bearings Drawing Bearings



Drawing parts

- Bearings
- Shafts
- Housings

Assemblies

Bringing together bearings and machine elements

Areas of Application



Agricultural Industry



Robotics



Wind Technology



Automotive Engineering



**Gearboxes/Pumps
Electric Motors**



Medical Technology



Packaging Industry



**Food & Beverage
Industry**



Railway Technology



Intralogistics



**Construction
Machinery**

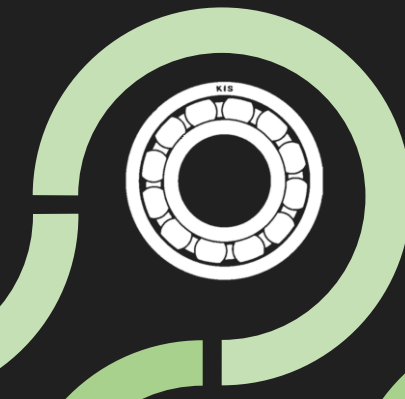


**Recycling
Technology**

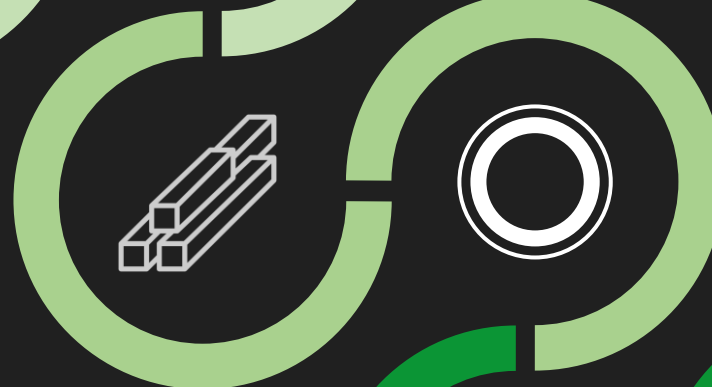
Bearings for the Food & Beverage Industry



Material
Stainless Steel

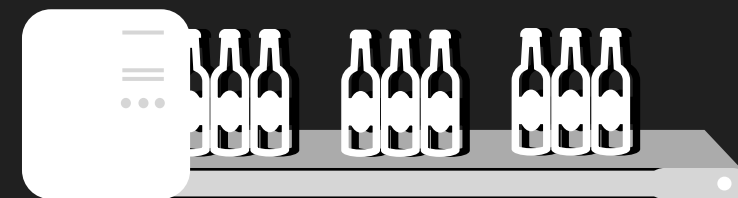


Bearing Selection
ball bearings, roller bearings, housing units...



Gasket
material, food safe, structure

Food Grade Fat



H1 Lubricating Greases with Antimicrobial Additives



Specifically formulated to suppress pathogenic microbes in the lubricant

Ensuring prevention of contamination with germs on the final product.

Ideal for the most stringent hygiene requirements, these greases also enhance aging processes within the lubricant.

Optimized tribotechnical properties with high water resistance, resulting in up to 100% longer grease service life.



Different Steels Technology



The proven standard in the ball bearing industry: **100Cr6 chrome steel**. With its excellent hardenability, this steel is the all-rounder for most day-to-day applications. Ideal for use in areas that do not come into direct contact with food, water, or cleaning agents. This steel can also be coated for enhanced wear and corrosion resistance.

Low-corrosion stainless steel: Our ball bearings use high-quality steels such as X65Cr13 for the inner and outer rings, and X105CrMo17 for the balls. This makes them extremely corrosion-resistant and perfect for versatile applications in the food industry.

For particularly demanding applications, we provide stainless steel ball bearings made from **High Nitrogen Steels**. This materials offers maximum corrosion resistance and outstanding wear resistance. Thanks to innovative heat treatment technology and special alloy components, they are ideal for use in alkaline, salty, and humid environments.

Corrosion Protection



Corrosion protection

Wear protection

Friction reduction

Food-safe

Corrotec coating	+++	++	++	✓
WC/C coating	+	+++	+++	✓
Bluing In conjunction with preservation and lubricants	+	++	++	✗
ZN-NI coating	+++	-	-	✗



Hybrid Bearings for the Food Industry



- In combination with food-grade greases and stainless steels
- Double operating life under harsh operation condition (cleaning agents and water)
- Significantly reduced lubricant quantities for improved hygiene
- Significantly improved running properties and reduced friction

Different Sealing Technology



Contactless Seal:

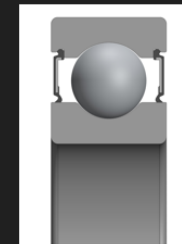
- Positioned closer to the inner ring than a Z - Shield
- Increased protection against contamination
- No increase in bearing torque
- No speed limitation
- Seal material: NBR
- Temperature range: -30 °C to +120 °C

Contact Seal:

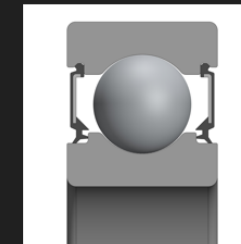
- Abrasive seal available as lightly abrasive or multi-lip design
- Higher torque with better sealing effect
- Reliable protection against ingress of foreign particles and leakage of lubricant
- Seal material: NBR
- Temperature range: -30 °C to +110 °C

Z-Shield:

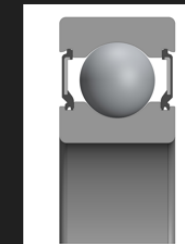
- Protection against coarse dirt
- No increase in bearing torque
- No speed limitation
- Narrow gap (0.1 to 0.3 mm for small bearings)
- No temperature limitation



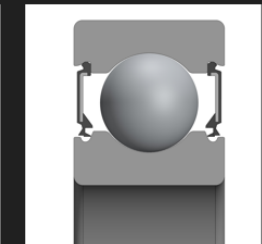
ContactSeal,
smooth



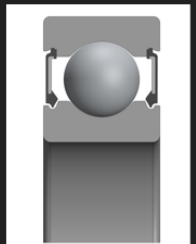
Contact Seal
with two lips
and T-nuts



Contact seal
with two lips
and V-nuts



Contact seal
with one lip and
V-nuts for
reduced friction



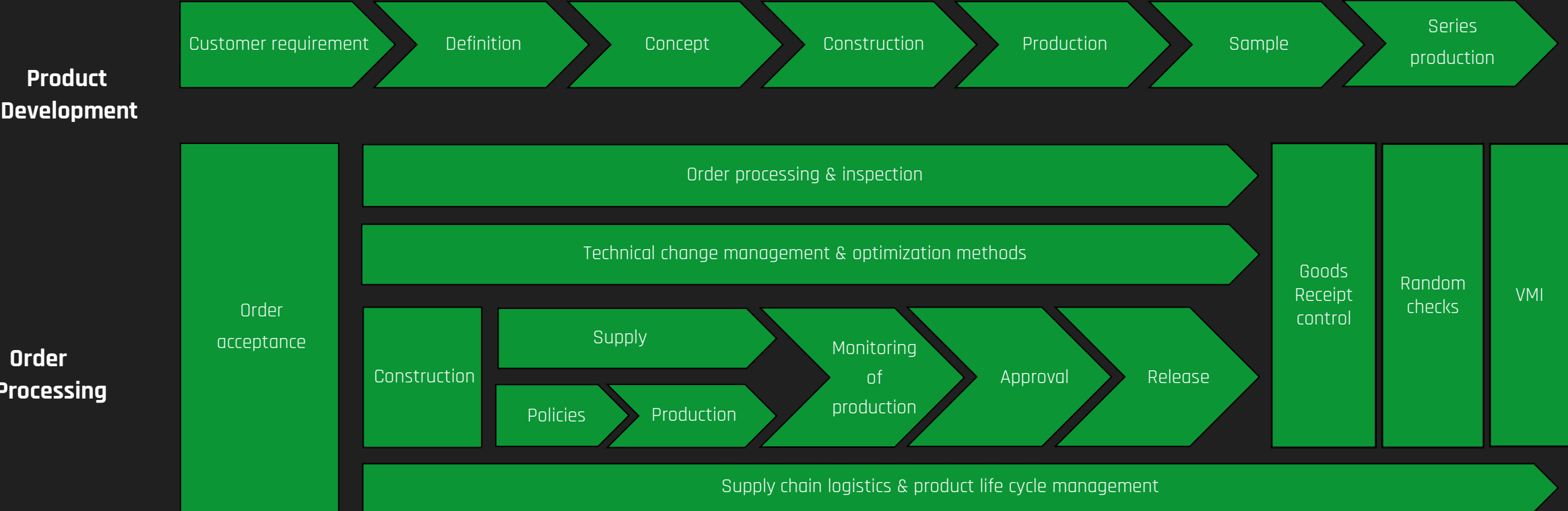
Contactless seal
with one lip and
V-nuts

Seal materials for higher temperatures or better resistances, specifically for the food industry, are also available in blue coloring.

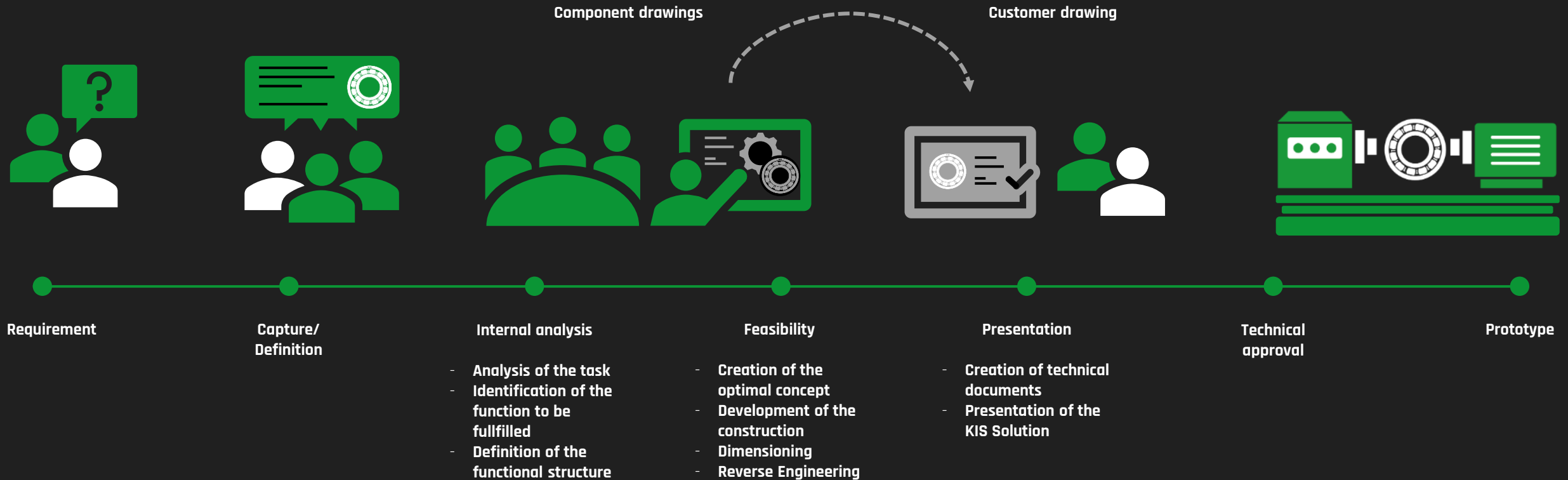
Process Performance Management



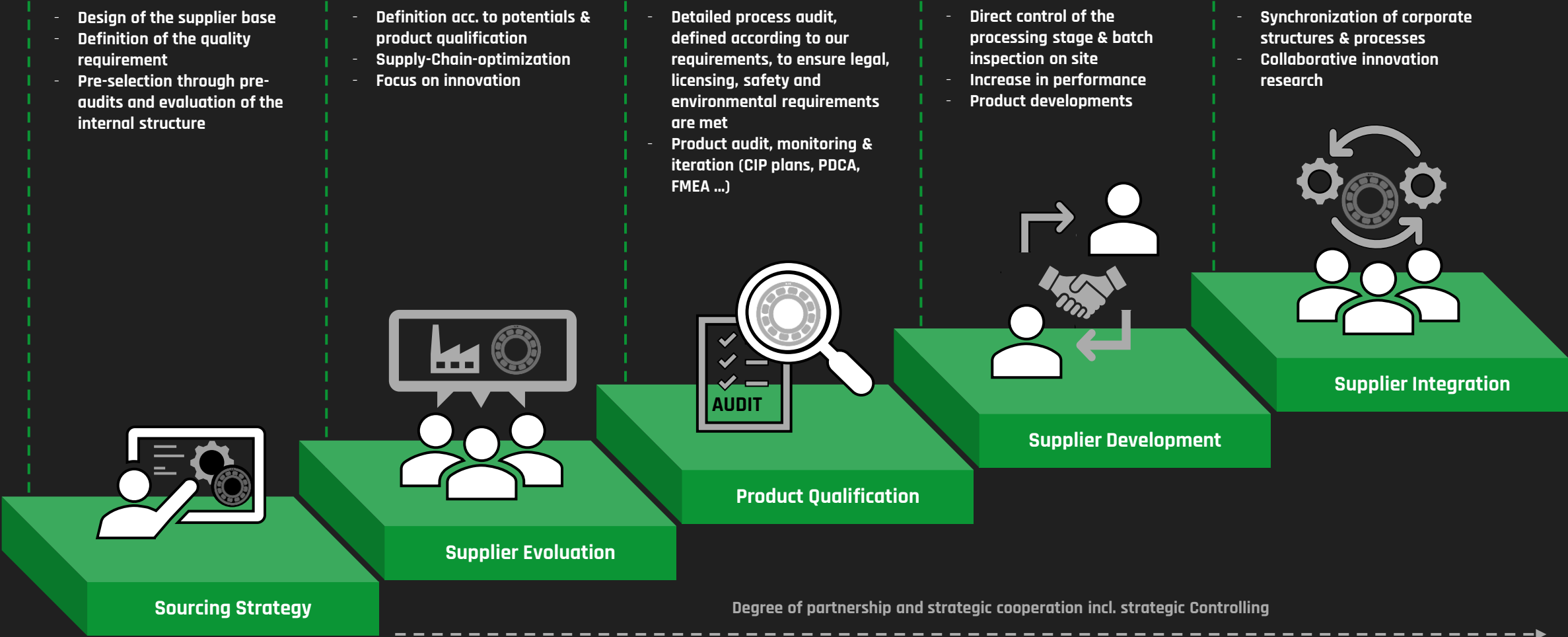
A company-wide connected process performance management with a standardized quality assurance system



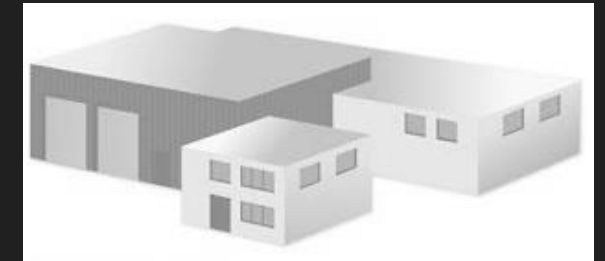
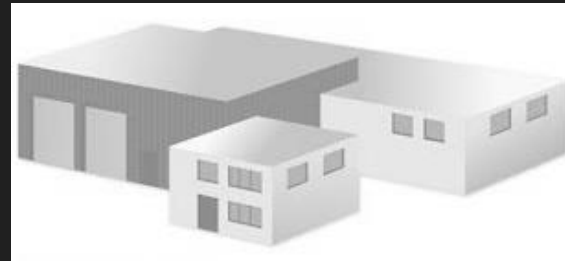
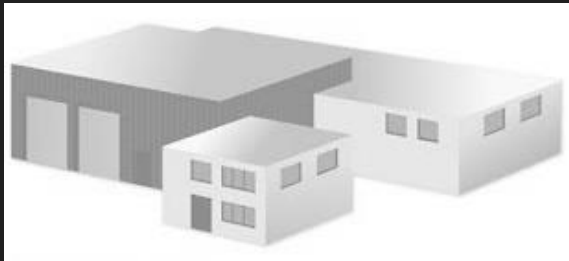
Construction (Prototype)



Quality Assurance (Supplier Management)



Quality Inspection



Partner plant

Batch testing during production

Direct control of the
Processing stage

Final acceptance/on-site audits
(slewing ring 100%)

KIS Bearing Technology (ASIA PACIFIC) Co. Ltd.

Quality inspection according to
AQL standard

Test level III

KIS Antriebstechnik GmbH & Co. KG

Individual quality inspection according to
customer-specific/internal
requirements

Incoming goods inspection
(slewing ring 100%)

Individual EMPB

Batch Traceability



Our IT-supported product lifecycle management system, which is linked to our production sites, enables us to seamlessly monitor our quality standards and the production and process flow.



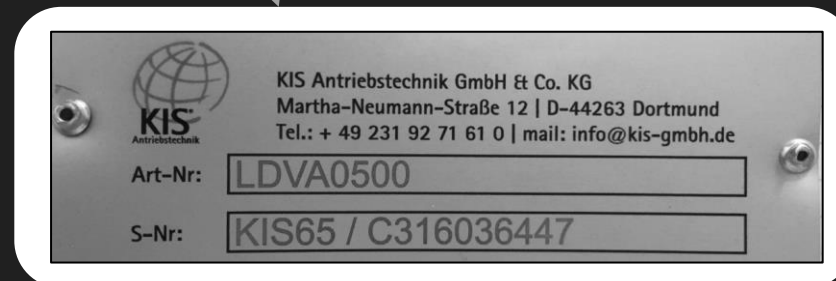
Furthermore, all products of the brand "KIS" are marked with an internal production code which allows each bearing to be identified even after installation.

Slewing rings/Large rolling bearings

KIS standard marking with nameplate

Alternative: Laser marking

Customer-specific labelling to secure your spare parts business





Rethinking Rotation.

Let's optimise your rotative solutions!



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