



Gearbox Maintenance

of all suppliers!

-  Gearbox Repair
-  ReDesign
-  Gearbox Improvement
-  Inspection on site
-  Drive Installation



Repair

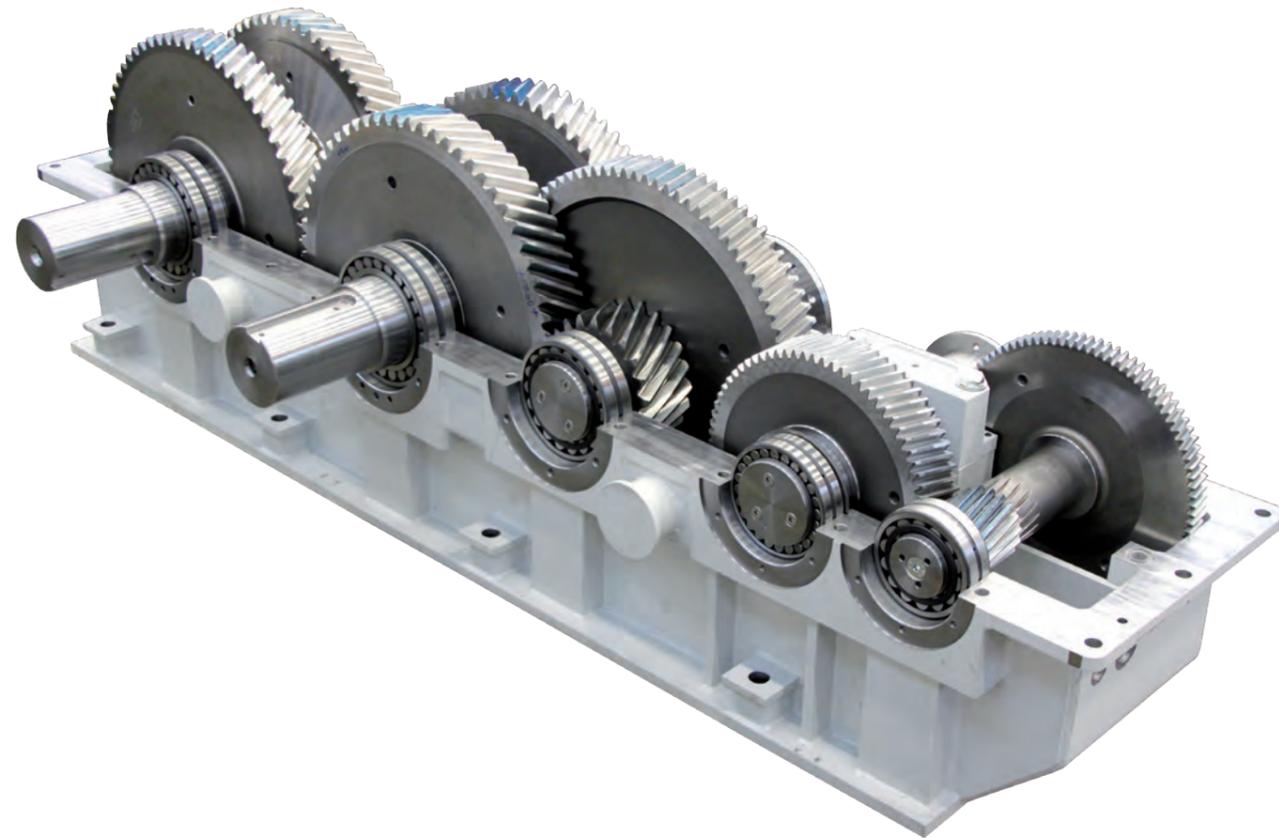
We repair gearboxes - of all suppliers!

Everything from one source:

- Dismantling of the gearbox on site
- Detailed damage analysis in dialog with the operator
- Recalculation and new design of the gearboxes and parts done by our own engineering department
- Modification of the gearboxes based on the results
- Professional assembling
- Reinstallation on site

Therefore we have

- Very good trained staff with many years of experience
- Very good equipment as well as special mounting devices and tool systems
- Flexibility (24/7/365)
- Certified according to DIN EN ISO 9001 and certified according to SCC**



**our experience
your added value**

ReDesign



**the same
but better**

ReDesign means type-independent (new-)design or construction of gearboxes.

Reasons for a ReDesign:

- The original supplier of the gearboxes does not exist any longer
- The gearbox type is no longer in production
- Increase of circulating reserve by individual or batch production
- Modification of problem-related drives

Procedure:

- Measurement
- Construction of the new gearbox
- Performance calculation and ReDesign
- Improvement by modification
- Manufacturing of the parts under consideration of high quality standards
- Professional assembling
- Test run
- Paint-finish and end control
- Preparation of the documentation

Improvement

AS reviews drive concepts with a regard to possible improvements.

Reasons for a improvement can be

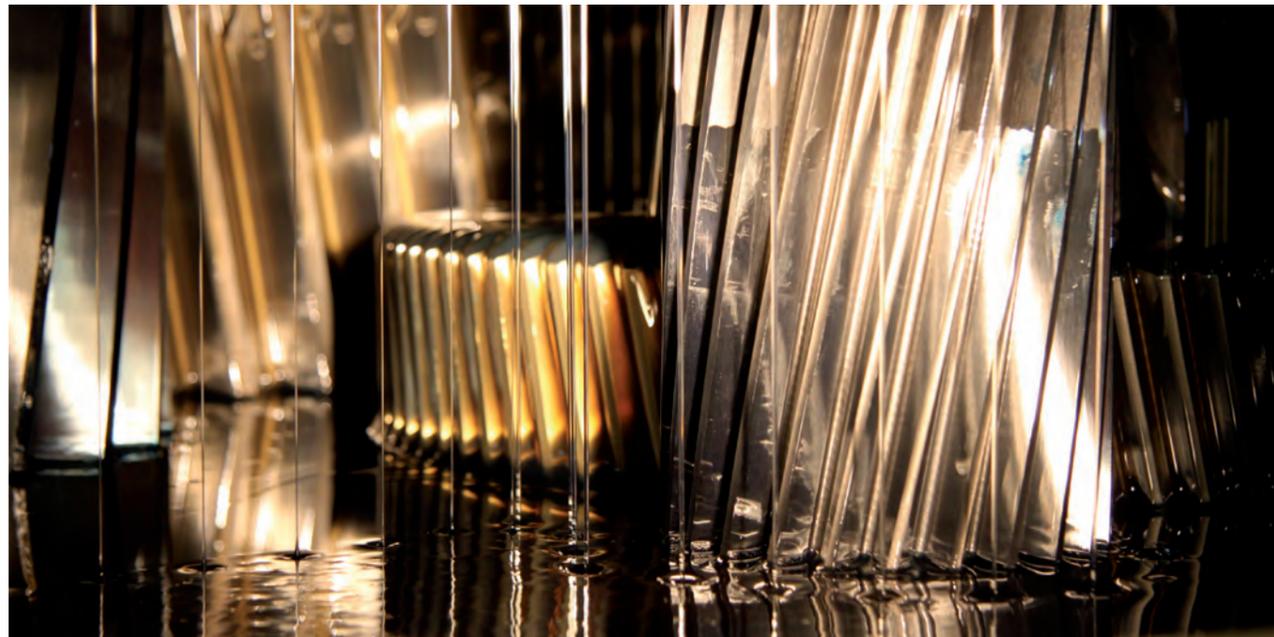
- the analysis of recurring problems or
- the wish to increase the speed

AS develops an optimization concept for each gearbox. This concept will be checked, calculated and designed by our own engineering department.

Steps to improve a drive:

- On site measurements
- Construction and drive lists
- Determination of the ratio-change in case of a performance increase
- Realization in construction and drive lists
- Re-/Newbuild of the tothing parts according to the latest guidelines (incl. calculation of the gearing)
- Use of alternative and modern bearing technique (calculation of the bearing)
- Manufacturing of the parts
- Adaption of improved lubrication systems
- Insertion of cooling coils inside of the gearboxes
- Coupling to new lubrication units
- Disassembly of the old drive and professional installation of the new drive

from old
to better



Inspection on site

AS performs gear checks during a standstill or while the machine is running (as far as possible).

All results get systematically collected and summerized to a detailed documentation including pictures and a guidance for planning following steps.

We kindly offer solutions for maintenance as well. Above that, regular gear checks give information about the progression of the gearbox.

- gear check on site (see, hear, feel, smell)
- Damage assessment (incl. guidance and documentation)
- Video endoscopy
- Thermal image analyzing
- Vibration measurement
- Specially trained staff

Field of activities:

- Paper and board
- Power plants
- Lime/cement plants
- Public transportation
- Steel industry
- Plastic industry
- Rubber industry
- and others

independent
of the industrie



Drive installation

AS got well trained staff and special tool systems to act flexible and independent according to the customers need. The toolbox systems can be easily moved by a standard truck lifter or crane at the place where it is needed. This ensures extremely short distances at the place of work.

The customers benefits from the experience of AS with all of the commonly used type of drives such as:

- Gearboxes
- Direct motors
- Closed wheelhousings
- Open gear drives
- Transmission drives
- ...

AS takes over the complete installation management

- Dismantling of the old drive
- Professional reinstallation
- Laser-precise alignment
- Extense experience over the years
- Well trained staff
- Certified safety according to SCC**

Reliability
has a face



Spare-Part-Management



We are able to deliver all kind of spare parts, such as:

- Bevel gear sets
- Spur gear sets
- Output hollow shafts
- Bearings
- Bearing bushes
- Couplings
- Labyrinth flanges/-rings
- Housing
- an lots more

flexible
and fast

According to existing parts and using of the performance date respectively of the asset, our construction department plans new parts, constructs them and prepares corresponding drawings and documentations.

For the procurement of bearings, special- and standard parts we maintain good contacts to suppliers.

AS offers the consignment storage within the scope of value contracts.

Our products



Direct Drives



Cooling Aggregates



Flow Controller



Gearboxes



Lubrication Units



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