

Gearbox Services International Hermanus Boerhaavestraat 2 3261 ME Oud Beijerland , Nederland

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Our mission: A LEADING FLEXIBLE MAINTENANCE COMPANY FOR INTERNATIONAL SERVICE TO GEARBOXES OF ALL BRANDS.

We distinguish the following expertises:

- Pre-inspections / advice / trouble-shooting on location
- Dimantling / installation and project management on-site
- Disassembly / assembly in our workshop
- Engineering
- Manufacturing of parts for gearboxes

The definition of our company:

Our team is composed according to the needs of our customers. Gearboxes are usually essential components of production installations. Service, speed and reliability are most important to keep these installations running.

In practice we are offering this as indicated below:

Service and speed: all members of our team are a kind of entrepreneur who are available for our customers whenever needed. That's rather exceptional but we like challenges.

Apart from being enthusiastic, our employees are also very skilled and experienced. This allows them to finish a project efficiently. Our organization is lean and transparent. Your contact person will always be able to help you and you are always welcome in our workshop and office.

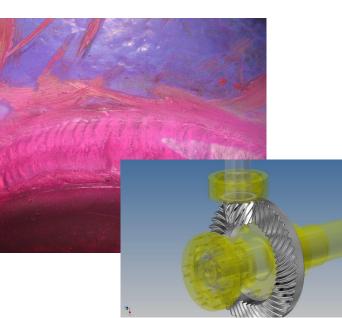
Reliability of our organisation: Integrity is a key word in our company. We want to be a sincere organization and we want you to be helped by the same people throughout the years. All our new employees have joined GBS because they want to assist in establishing a customer focused company with a lot of know-how.

Reliability of your installation: Your gearbox can only be properly repaired when we have the right know-how. Therefor our new employees have been selected based upon skills, analytical thinking and experience. Many people in our organization have about 20 years of experience with gearboxes. The right mix of experience, analytical skills and the willingness to solve a technical problem in collaboration with other people is our strength.



On-site 3D gear measurement arm

Since January 2015 we have a 6-axis portable 3D measurement arm at your disposal. With this tool we can measure the profile of unknown gears on-site. It can also be used to check the quality of your gears and other parts. This way creating drawings of your gears or other gearbox parts for reversed engineering becomes very simple. From now on you don't need to move you critical and expensive parts for this purpose. The result is cost cutting and less downtime of your equipment!

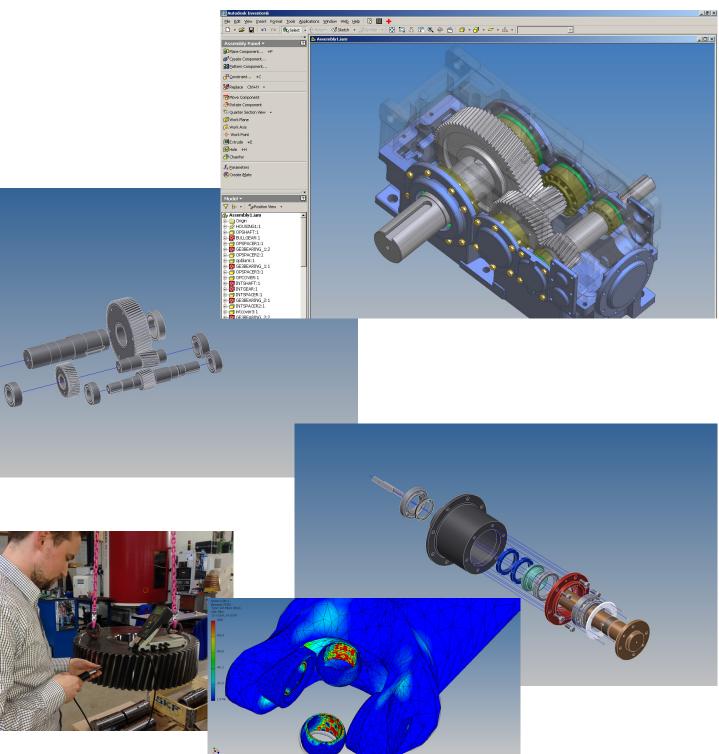


Engineering

Our Engineering department focuses on all kind of problems related to rota ting equipement, especially gearboxes.

A constructive collaboration with the diagniostic engineers in the field allows them to develop practical and efficient solutions.

Solutions can be a modification or the design of a new gearbox with cylindrical gears, bevel gears, worm gears, helical gears, hypoid gears or crown gears! Our design is conform to standards like ISO, DIN, AGMA, VDI and Klingelnberg.



Gearbox services in our workshop

Our approach is usually as follows:

- Registration of clearances, tooth contact pattern, dimensions and tolerances and visible damage in an inspection report.

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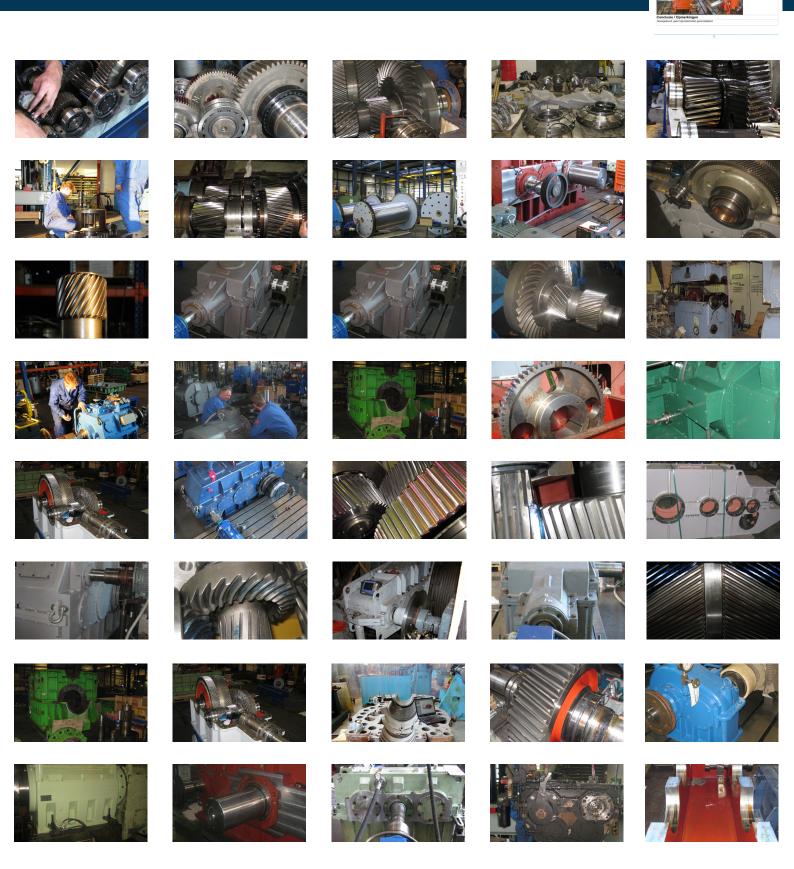
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- Quotation based upon the inspection report, recommendations of engineering department and customer requests
 Production of parts, purchase of standard parts en modification of existing parts.
- Registration of clearances, tooth contact pattern, dimensions and tolerances in a repair report.
- Operational testing and edition of a test protocol

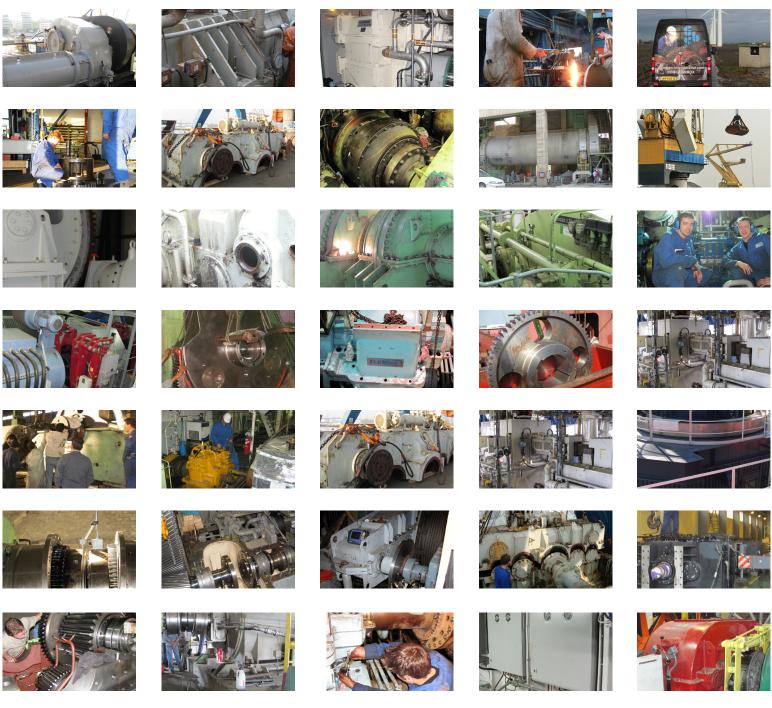


Gearbox services on site

Apart from diagnostics, our service engineers also take care of:

- Disassembly and assembly of gearboxes and other rotating equipment.
- Visual inspections
- Checking and executing alignments

We can manage your projects completely but can also offer only supervision or pure mechanical operation in subcontracting.













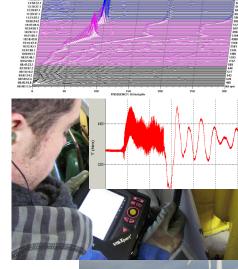


Diagnostics Service





POINT: Turb Q/D 4 A __/50" Righ MACHINE: Turbline From 155EP2805.08:40:17.5 To



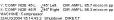


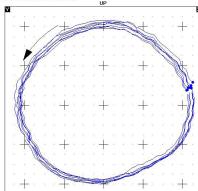
Machinery health or condition inspections On site troubleshooting

Our services:

- 3. Machinery commissioning
- 4. Field trim balancing (single and multi plane)5. Machinery alignment services
- 6. Geometrical measurements
- 7. Thermal growth studies
- 8. Torque and power measurements by telemetric strain gauge technology









Spare parts for Gearboxes

Our engineers have a lot of experience with the design and production of parts like gears and friction bearings.



































Machining

Turning, CNC and conventional

We produce new parts or modify existing parts. One-off or serial production. We take care of the purchase of the raw material or the customer provides it. Based upon a drawing, a sketch or verbal explanation. Steel, iron, non-ferro,

Parts sizes from a few centimeters up to 10 meters or more weighting from some kilo's up to 20 tons.



















PUMA 700 LM

Max. diameter Ø 900 mm Swing over saddle Ø 800 mm Max. length t.d.c. 3200 mm

Mori-Seiki Swing over bed Ø 755 mm Max. diameter Ø 356 mm Max. length t.d.c. 705 mm

VDF Wohlenberg Max. diameter above floor Ø 2580 x 6000 mm Max. diameter above support Ø 900 x 10000 mm

Okuma Max. diameter Ø 650 mm Swing over saddle Ø 540 mm Max. length t.d.c. 1000 mm

Gildemeister 710 Max. diameter Ø 800 mm Swing over saddle Ø 400 mm Max. length t.d.c. 2000 mm

Gildemeister 400 Swing over saddle Ø 200 mm Max. length t.d.c. 1000 mm

Gildemeister CTX 40 Max. diameter Ø 200 mm Swing over saddle Ø 50 mm Max. length t.d.c. 500 mm

Colchester Max. diameter Ø 535 mm Swing over saddle Ø 370 mm Max. length t.d.c. 2000 mm

Weiler teach in Max. diameter Ø 340mm Swing over saddle Ø 150 mm Max. length t.d.c. 1000 mm

Est-Ticino Swing over bed Ø 840 mm Max. diameter Ø 510 mm Max. length t.d.c. 6000 mm



Machining

Milling, Shafing, Horizontal boring

Horizontal boring

Length x-axis 3500 mm Length y-axis 2000 mm Length z-axis 1250 mm Length w-axis 800 mm Tabel: 1800 x 1600 mm

Horizontal boring

Length x-axis 3000 mm Length y-axis 1600 mm Length z-axis 1250 mm Length w-axis 660 mm Tabel: 1500 x 1200 mm CNC-Stroke support 600 / 280 rot.





2x CNC Bed type milling machine 5 mtr Length 5000 mm Width 1200 mm Height 1500 mm

CNC Bed type milling machine Kiheung RT1000 Tabel 1600x1400 X-axis 3000 mm Y-axis 1250 mm Z-axis 1600 mm Rotatie diameter 2400

CNC Bed milling machine 4 mtr Length 4000 mm Width 900 mm Height 1400 mm

2x CNC Bed milling machine 2 mtr Length 2000 mm Width 700 mm Height 500 mm

3x Machining center Mori Seiki Length 1000 mm Diameter 800 mm Width 440 mm Height 500 mm

Shafing/grinding machine 6 mtr Shafing length 6000 mm Tabel width 1100 mm Shafing widht 1450 mm

Shafing/grinding machine 4 mtr Shafing length 4000 mm Tabel width 1100 mm Shafing width 1200 mm



Other Projects

Some pictures of our other projects







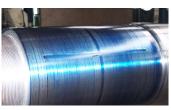






























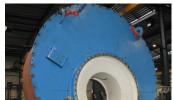












Reference customers

Some of our reference customers





Dennis Janse Sales parts and service, speciality gearboxes

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Ferry Groenendijk Sales machining and service

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speciality gearboxes

Project management / planning,

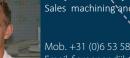
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