

SIMPEX  HYDRAULIK®  
GMBH



# The company



>> SIMPEX HYDRAULIK has a 30-year track record of brand- and manufacturer-independent expertise and quality in the fields of hydraulics, pneumatics and centralised lubrication technology.

Having emerged from dealing with hydraulic components, our companies are now engaged in developing, manufacturing and commissioning hydraulic plants, aggregates.

In the field of centralised lubrication technology, our activities in technical modernisation of old plants and for new buildings are as much sought-after as our maintenance services.

Another core competency of our group of enterprises is the repair and overhaul of hydraulic components of all kinds, independent of brands and manufacturers. Follow the next pages and you will find detailed ideas about our potential.

The enterprises SIMPEX HYDRAULIK GmbH in Brandenburg, Eisenhüttenstadt, Gera and Neuss are companies of

**HYDRAULIK**<sup>®</sup>  
Union



# Certificates

>> All companies of SIMPEX HYDRAULIK possess the most modern quality management systems in their locations. Our understanding of quality is not one to be good, but to be excellent in everything we do. We convince our customers by quality, reliability and cost-effectiveness, delivery dependability and high-class service.

In order to meet these demands, the TÜV (Technical Supervisory Association) – or rather, Bureau Veritas, respectively – certified five German subsidiaries of SIMPEX HYDRAULIK in Brandenburg, Eisenhüttenstadt, Gera, Leipzig and Neuss according to the international systemic norm DIN EN ISO 9001:2000, DIN EN ISO 9001:2008 and according to §19 I of the Federal Water Act (Wasserhaushaltsgesetz, WHG; §19 re: plant construction by certified specialised companies).



Our occupational safety management is constantly monitored by Government Safety Organisation (Berufsgenossenschaft) and was certified by the organisation.



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## Certificates

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We are certified according to DIN EN ISO 9001:2000

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We are certified according to DIN EN ISO 9001:2008

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We are a certified specialised company according to §19 I Federal Water Act (Wasserhaushaltsgesetz, WHG)



# Engineering

>> Our developers and designers, software engineers and project managers use the latest networked CAD-technology to develop efficient solutions in hydraulics, pneumatics and centralised lubrication technology as well as in electric control engineering for various applications for our demanding customers.

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## CAD-construction

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Hydraulic aggregates

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Complete drives (container construction)

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Individual control stations (table construction)

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Hydraulic cylinders

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Piping

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Test stands

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## Documentation

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Instruction manuals

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Maintenance manuals

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Circuit diagrams

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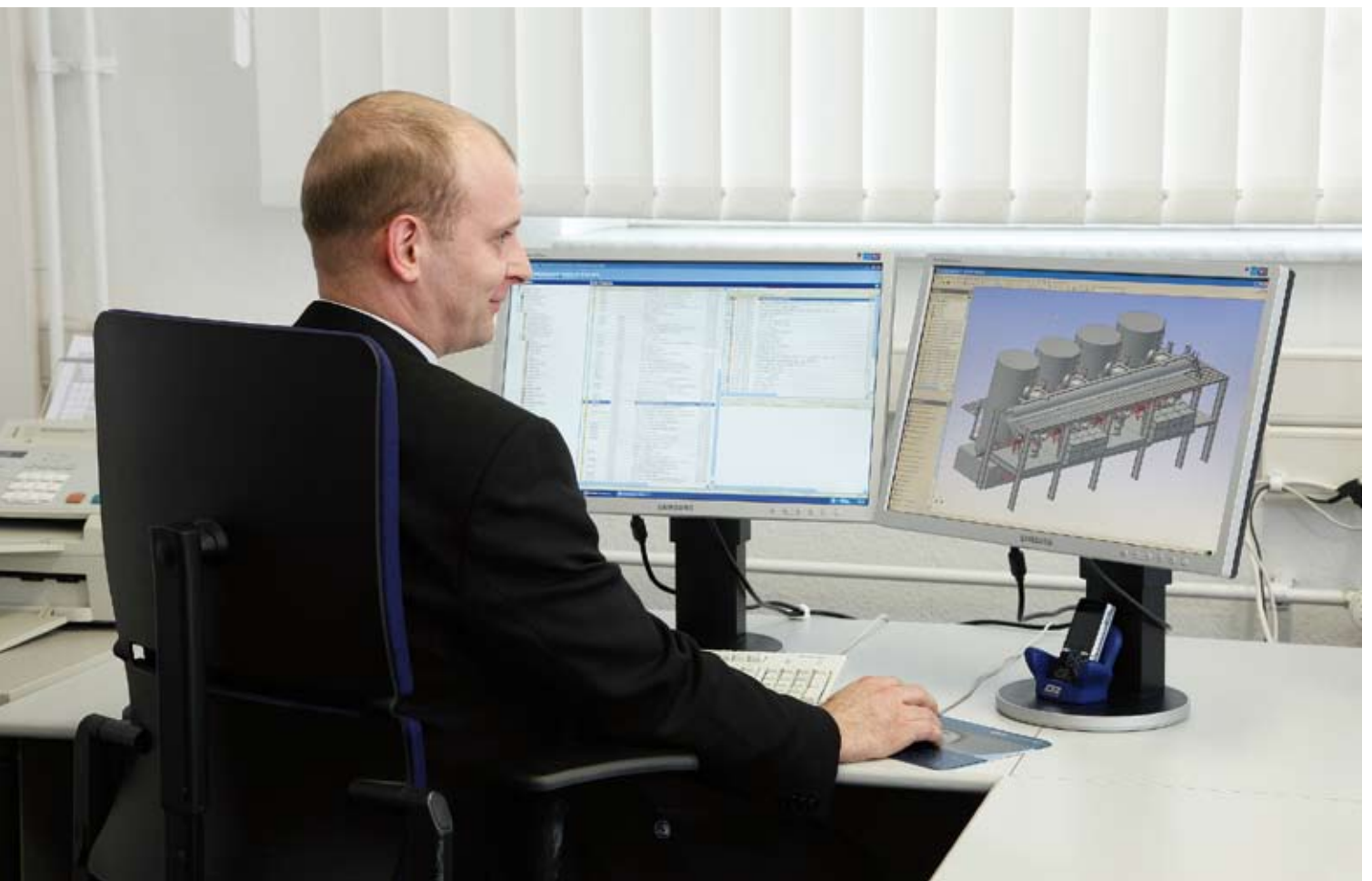
Parts lists

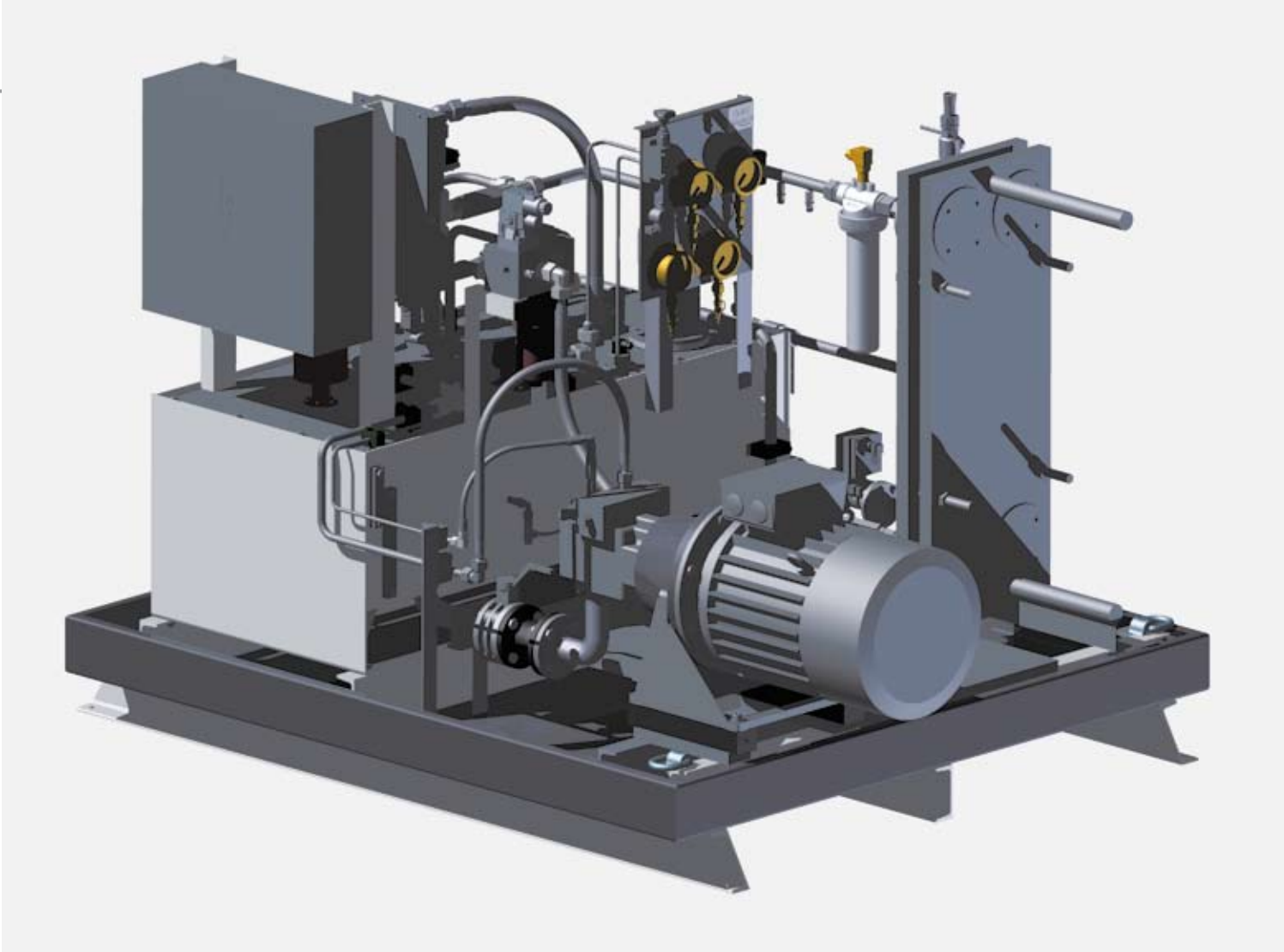
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Assembly instructions

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in German, English and Russian






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### Project planning

of technical and economic solutions for complex plants and individual components

of hydraulic drives in large-scale plants and controls of all individual components.

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### Technical modernisation and reconstruction of old plants

in the fields of hydraulics and lubrication technology

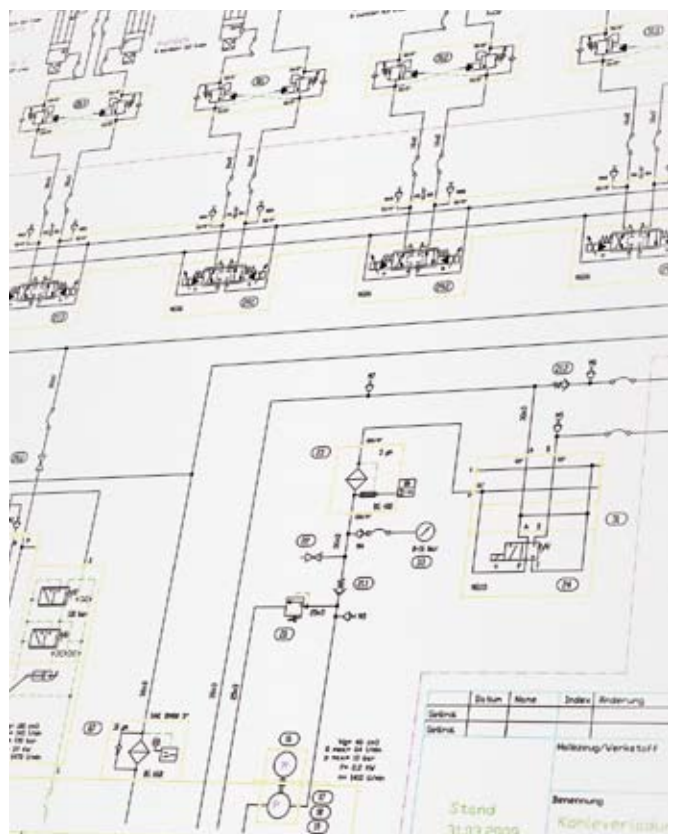
Recording and analysis of the current situation

Solution finding

Profitability assessment

Realisation

Documentation



# Systems engineering



>> In our business unit “Systems Engineering“, we manufacture aggregates in all sizes. Aligned with the operating processes of our customers, performance and control of the aggregate are individually adjusted. As a matter of course, we also manufacture the required valve controls as well as customer-specific special cylinders up to a unit weight of 25 tons in order to achieve the maximum degree of efficiency.

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## Aggregates

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Customised aggregates

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Installation sizes of 20 to 15,000 litres

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Constructions in aluminium, steel or stainless steel, according to DIN or individual construction

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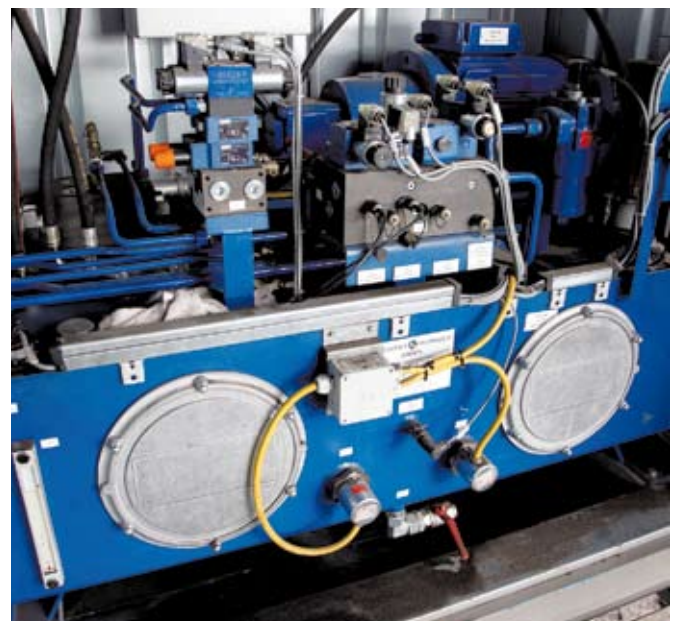
## Valve controls

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Block construction

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Switchboard construction



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## Cylinders

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Special cylinders for heavy industries

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Customised cylinders

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Oil and water hydraulics



# Assembling and Commissioning

>> Assembling and pipe installation with all standard connection methods and pressure stages, both at home and abroad. The SIMPEX HYDRAULIK companies are acknowledged specialists in the field of pipe assembling – particularly in the areas of hydraulics and centralised lubrication technology.

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## Assembling

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Worldwide lead-assembling in hydraulics, pneumatics and centralised lubrication technology

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Compressor units





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### Pipe assembling

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Hydraulic and pneumatic conduiting of plants with steel and stainless steel

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Conduiting of complete lubrication grease systems

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Conduiting of welding work at pipes by proof tested welders (e.g. tungsten-inert gas welding)

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Tube bending of 6 to 76.1 mm with mobile bending machines

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Tube chamfering up to 114.3 mm

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Prefabrication of pipes in our own workshops according to isometric drawings

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Rinsing of pipe systems

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Measuring and documentation of oil-purity by laser-gauges for particles

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Commissioning (worldwide)



# Repair and overhauling

>> For more than thirty years, brand-independent repair and overhauling of hydraulic parts has been a core competency of SIMPEX HYDRAULIK. Apart from repairing established manufacturer-components, we particularly specialise in overhauling old series of well-known manufacturers which are no longer being produced.

Working for you, we always start with a detailed assessment of any given damage. In this process, we actively advise you concerning the extent of repair to be expected and the tasks which need to be done by our specialists. We also keep the cost-effectiveness of the measures planned in comparison to purchasing or building new parts in mind for you.

For all hydraulic components repaired by our experts, we guarantee reliability and functionality on the level of a new product. Every stage of repair is documented. The results of our work are logged for our customers at the test stands.

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## Hydraulic pumps / Hydraulic motors

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Axial piston pumps / Axial piston motors

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Radial piston pumps / Radial piston motors

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G geared pumps / Geared motors

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Screw pumps

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High-pressure reciprocating piston pumps

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Old series no longer produced by manufacturers (e.g. Hydro Gigant, Constantin Rauch, etc.)



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**Cylinders with guarantee for value as new for up to 25 tons unit weight**

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Hydraulic and pneumatic cylinders

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Norm and customised cylinders

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Water hydraulics cylinders

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**Hydraulic aggregates**

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Disassembling of all parts

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Inspection, overhauling and function-testing of individual components

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**Valve technology**

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Servo-valves

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Proportional valves

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Shift and steady valves

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Directional control valves, flow control valves and pressure control valves

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**Quality control**

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100% test of all overhauled components

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Self-developed test engineering (test stands), in-house

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Logging and delivery of the test results

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# Service and maintenance

>> Our highly qualified staff carry out all kinds of inspections, maintenance and servicing in all industrial sectors. In our day-to-day business, we have been managing extensive maintenance- and servicing-projects on large-scale plants.

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## Maintenance of large-scale plants

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Inspection

Storage services including repair and renewal as well as storage scans, including TÜV (Technical Supervisory Association)

Localisation and removal of disturbances

Tube packing

Assembling and sealing

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## Fluids management

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Oil change-over

Oil servicing and filter changes

Measuring of contamination according to NAS1638 and ISO4406

Optimum choice of operating medium

Rinsing of hydraulic piping systems

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### Technical support

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Optimisation of plants and constructions

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Commissioning of new plants

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Commissioning after general repairs

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### Emergency service

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24 hour standby

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Ad-hoc troubleshooting for parts and systems

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Removal of disturbances

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Mobile tube-service



# Trading and export

>> As a provider of brand- and manufacturer-independent fluid technology, we act as a dealer for numerous well-known manufacturers with a respective large-scale storage both nationwide and internationally. Thus, we can guarantee our customers the highest quality at a reasonable price, depending on their individual applications.

The long-time experience in international business, focusing particularly on Eastern Europe, distinguishes our expert-team from the competition. For our customers, we take care of all required documentation according to international standards. We communicate in German and English, but also in Russian, upon request.



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## Trading

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Dealer for numerous well-known manufacturers

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Large-scale storage

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## Distribution

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Management of consignment stock

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Electronic catalogue management

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E-procurement via PSM Marketplace



# Locations

>> With their 14 locations, subsidiaries and operating sites in Germany and their three international branch offices, the companies of HYDRAULIK UNION offer their expertise in hydraulics, pneumatics and centralised lubrication technology in your vicinity. For you as our customer this means that our specialists are always close to you will find and provide the perfect solutions for you quickly – just where you need them.



SIMPEX HYDRAULIK GmbH, Brandenburg



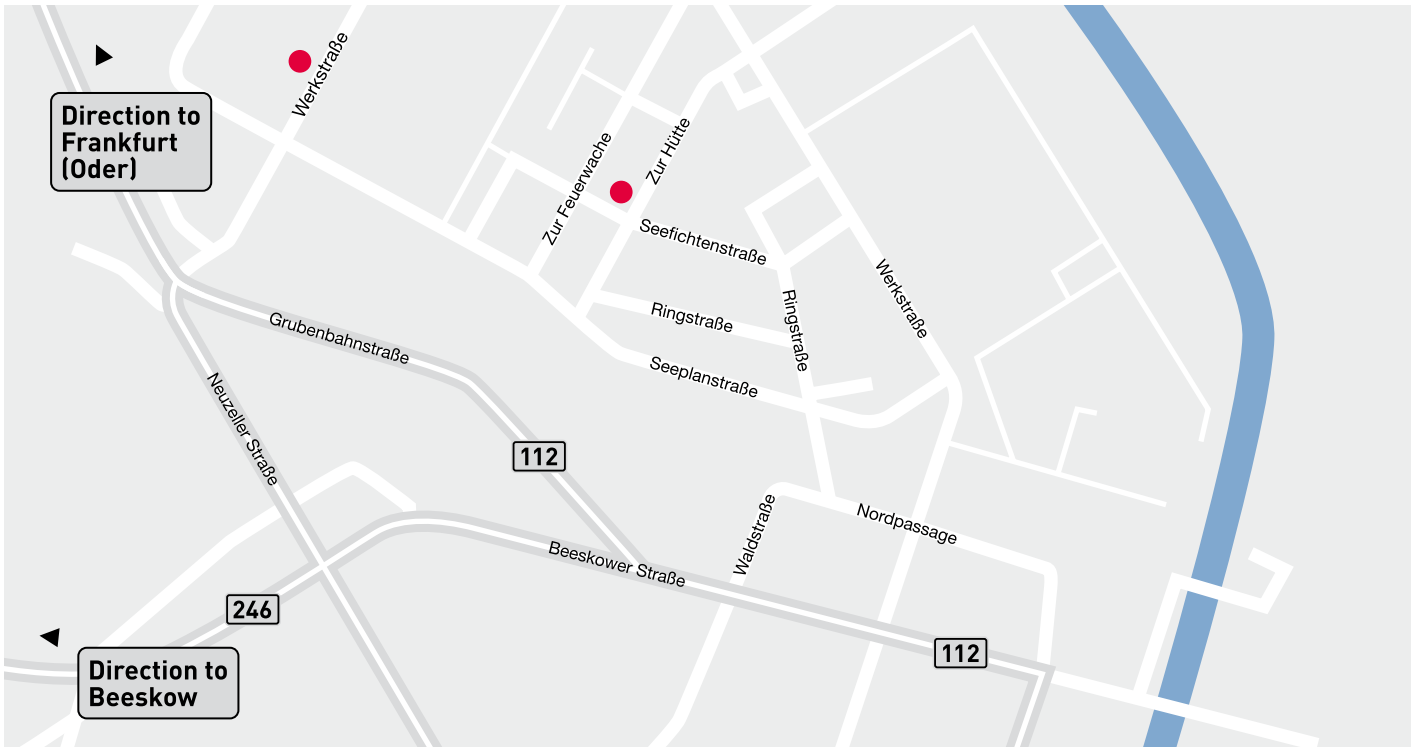
SIMPEX HYDRAULIK GmbH, Eisenhüttenstadt



SIMPEX HYDRAULIK GmbH, Gera



SIMPEX HYDRAULIK GmbH, Neuss



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 15890 Eisenhüttenstadt  
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 Telefax: 0 33 64 / 40 47 35

**Administrative department /  
 Incoming goods department**

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[www.simpex-hydraulik.de](http://www.simpex-hydraulik.de)  
[www.hydraulik-union.de](http://www.hydraulik-union.de)

**Operating site Lausitz**

Jänschwalde  
 Telefon: 03 56 01 / 5 62 31  
 Telefax: 03 56 01 / 5 72 24

**Welzow**

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 Telefax: 0 35 64 / 69 53 49

**Nochten**

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 Telefax: 0 35 77 / 38 42 41

**Riesa**

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Centre of distribution Lausitz  
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**Technical office Lausitz**

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**Office for Eastern Europe, Berlin**

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**Representative office Moscow**