

Strong in special
media, unbeatable in
the total package.

Hydraulic all-in-one solutions
for your plant construction.

“As specialists, we find ways where others have long since given up. Anything is possible!”

Your partner when it comes to high-quality, sustainable hydraulics.

We are a quality-leading, worldwide system partner for the construction of hydraulic units, but also a manufacturer-independent component dealer for high-quality hydraulic components and spare parts. At a total of four locations, our 90 experts bundle their experience and expertise into a **customer-specific total package that is unique in the industry:**

- > Engineering
- > Innovative unit construction
- > Component retail
- > Customer service

Hydraulic all-in-one solutions – even in extreme conditions and installation spaces.

We develop, install, and maintain customer-specific fluid and hydraulic systems that meet all set requirements, even in high pressure or temperature ranges. Over the past 40 years, we have made a name for ourselves in the market, especially in the field of **special media**.

As a hydraulics specialist, we have mastered the entire spectrum of power unit construction – from the smallest units and hydraulic series systems to custom-made designs.

Project planning as a success factor.

Because we combine all departments under one roof, we can make your project a reality in the shortest time possible and with quick responses. By that, we mean providing faster than the competition and creating the conditions for a durable, profitable hydraulic solution right from the project planning and component selection stages. Throughout the entire duration of the project, you will be supported and advised by a competent, reliable contact partner.

- > Initial consultation, task definition, and technical consultation
- > Project planning and design
- > Design and engineering according to factory and industrial standards (NEMA, UL, ATEX)
- > Retrofit concepts
- > Offer and parts list generation

Expert installation and commissioning.

All components are assembled by our specialists under the highest cleanliness standards, then subjected to special pressure and functional testing. Only after successful quality assurance do we release the unit for final acceptance. To minimize downtimes, commissioning is carried out by our well-practiced service team at your site.

- > Cutting-edge Bosch assembly technology
- > Custom container shapes and volumes in steel, stainless steel, or plastic
- > In-house painting
- > Particle measurement and quality control
- > Acceptance and commissioning
- > Hydraulic training courses



Retrofitting your hydraulic unit?

We're happy to develop a custom modernization concept and take care of **converting** your obsolete components in the shortest time possible.

Switch and control solutions that do what they are supposed to do: work.

Our electrohydraulics adapt to your individual needs, not vice versa. And this in all expansion stages – from prewired units and terminal box solutions to unit systems with switch cabinet and control system. All electrical circuit diagrams, installations, and electrical components interlock, ensuring that your unit operates **safely and efficiently at all times**.

Mechatronic engineering for custom unit functions.

- > Technical advice and coordination of customer specifications
- > Mechatronic engineering
- > Circuit diagram creation
- > Supplier selection and checking of country-specific delivery and security regulations
- > Offer generation with ongoing documentation

Always properly and reliably wired?

As hydraulics specialists, we offer **power unit systems** designed to meet your requirements with all the associated circuit diagrams, as well as installation and maintenance services.



Installations by the pros.

Based on the circuit diagrams, our experienced technicians will take care of the electrical installation of the individual hydraulic valves, motors, and sensors, as well as the commissioning of your electrical switch cabinet.

- > Execution of electrical installations
- > Reference identification
- > Wiring testing according to the VDE
- > Customer-specific approval
- > Commissioning
- > Safety consultation



Automation where it makes sense – customer-specific software engineering.

Intelligent control and visualization solutions are an important part of increasing the **efficiency** and **safety** of your facilities. In close cooperation with our hydraulics experts, we develop a tailor-made automation concept, including the necessary visualization and control software. The completed programs are transferred to the control system, simulated, and optimized if necessary. Depending on the complexity and requirements, our experts will be happy to assist you with the subsequent system integration.

Project planning.

- > Initial discussion, extensive risk assessment and function definitions
- > Components exclusively from renowned brand manufacturers: Beckhoff, Siemens, Bosch Rexroth, SEW-EURODRIVE, MOOG

Software engineering.

- > Programming of programmable logic controllers (PLC)
- > Software development (according to EN 61131-3 and in all common programming languages)
- > Visualization

Commissioning.

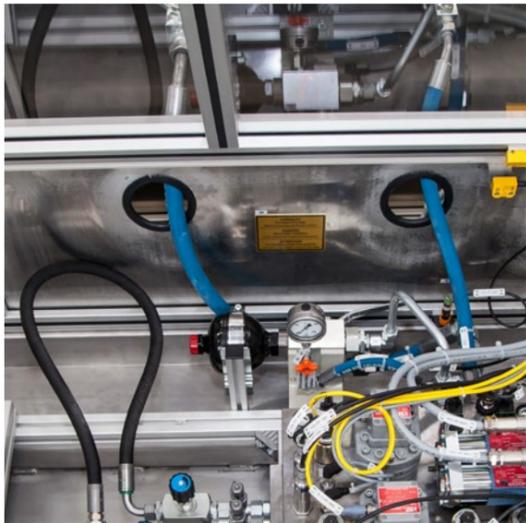
- > System integration
- > Functional testing and simulation
- > Acceptance and commissioning

Competent real-time support?

On request, our experts can connect to your system control via Teamviewer, make immediate error diagnoses, and find solutions quickly.



Individual hydraulic test benches that measure exactly what's important in the component.



We know our customers' requirements: **reproducibility**, the **shortest possible test intervals**, and **custom measuring functions**. For that precise reason, every test bench that leaves our company is the result of sustainable, requirement-appropriate project planning. Together, we will determine the most important key data such as test items, cycle times, energy consumption, and testing costs.

Feasibility studies are carried out, the required components are selected, and the circuit diagrams are prepared based on our CAD design data.

Our experts will then take care of all electrical, hydraulic, and mechanical engineering assembly work, including software development, system integration, and automation. Comprehensive system tests ensure reliable safeguarding of function and tightness even before commissioning.



A specialist for all testing requirements?

Thanks to our cross-departmental expertise in process technology, electrical engineering, and hydraulics, we can offer the entire range of hydraulic test benches – with a custom, personal all-round service throughout the entire life of the machine.

- > Flow test benches for the automotive sector
- > Pressure control test benches
- > Endurance pulse test benches in the low-pressure and high-pressure ranges
- > High-pressure test benches
- > Pulse test benches for adjusting sensor technology
- > Test benches for bursting pressure test
- > Retrofit for your test bench systems



Outdated drive technology?

We'll tell you if and how the changeover to an alternative drive technology can pay off and how you can save valuable operating energy.

The sustainable alternative for medium power requirements – high-precision and energy-efficient linear technology drives.

It doesn't always have to be a hydraulic feed. In the medium force range especially, it makes sense to think about linear drives. For example, thanks to high-quality technical guide components and low-friction seals, we are now able to achieve particularly **high positioning accuracy** and **speeds**.

Based on joint project planning, we design and manufacture energy-efficient drive solutions with minimum friction loss and maximum efficiency.

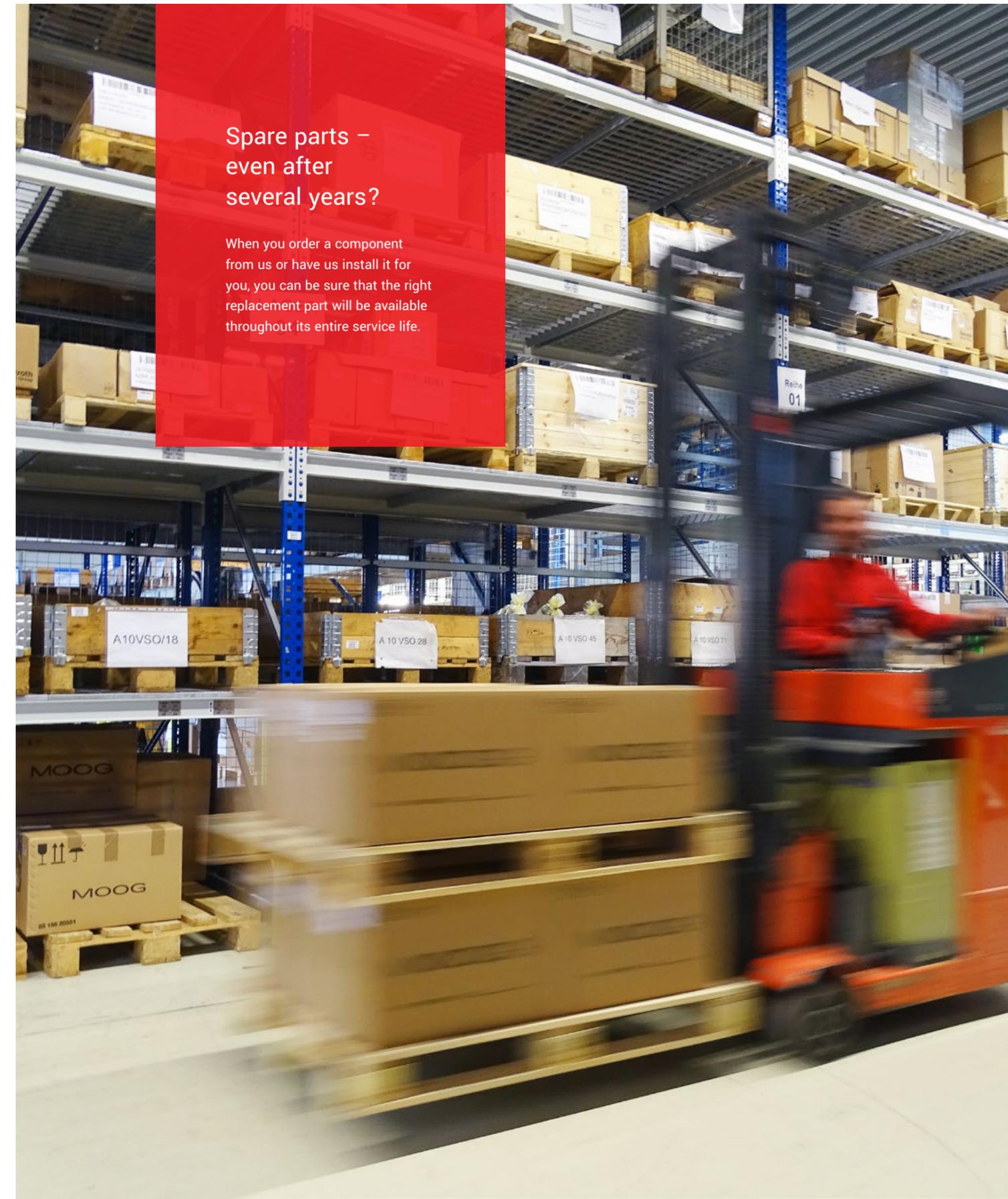
- > Linear guides
- > Ball-type linear drives
- > Planetary linear drives
- > Electromechanical cylinders
- > Linear axis systems
- > Terminal and safety elements
- > Inverter systems



Select brand quality you can rely on.

As an **independent hydraulics dealer**, we carry a wide, pre-selected brand array of high-quality components, hydraulic spare parts, and accessories. We rely exclusively on items that have proven themselves over the years in our everyday hydraulic work and with which our customers have had good experiences. It is precisely this **qualitative pre-selection**, in conjunction with high stock availability and technical advice that is unique in the industry, that our customers value. Because we know that sometimes things have to happen quickly, your goods can usually be delivered directly to the factory the very next day.

- > Hydraulic valves
- > Hydraulic pumps
- > Hydraulic cylinders
- > Hydraulic motors
- > Hydraulic accumulators
- > Filtration
- > Sensors
- > Control blocks and subplates
- > Electronics
- > Drive technology
- > Electrical connection material



Spare parts – even after several years?

When you order a component from us or have us install it for you, you can be sure that the right replacement part will be available throughout its entire service life.



Assembly

of all hydraulic and electrotechnical systems and pipelines.



Repairs

independent of manufacturer and, if required, with special tools.



Fault-clearing

through meaningful flow, pressure, and pressure peak measurements.



Oil analysis

to optimize service life and performance.

Our idea of truly professional service:

- > Onsite and in person
- > Quick responses
- > Sustainable and proactive
- > And always with competent technical advice



Storage testing

from the appointment with the authorities to the final TÜV acceptance.



Maintenance

for maximum process reliability and mileage.



Rental service

of pipe-bending or WALFORMplus machines and supply units.

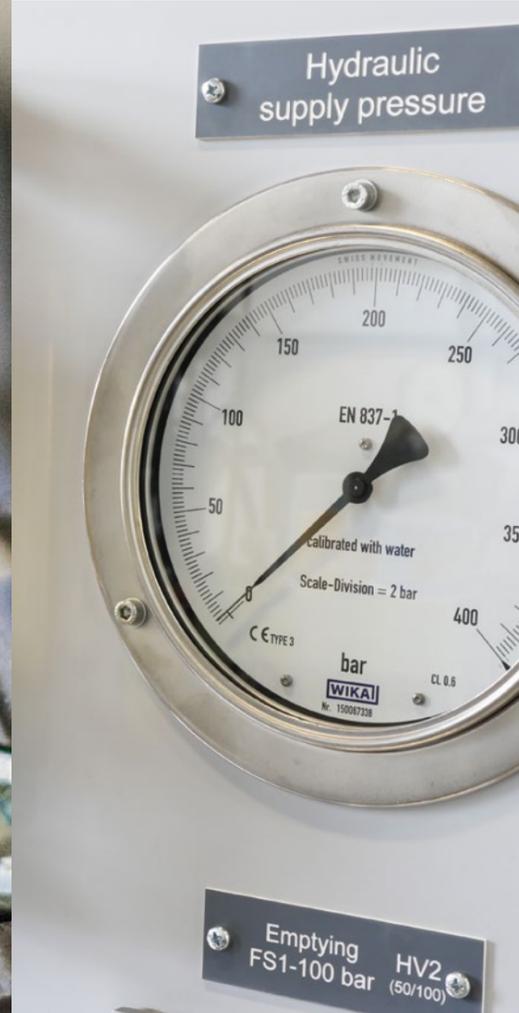
Our formula for success for an even longer, more efficient service life: anticipatory all-round service.

Whether on schedule or in urgent emergencies – our service teams will support you along the entire value chain and machine uptime, based on **flexible service and maintenance contracts**.



Always on the cutting edge of technology.

We'll provide your teams with valuable, practical hydraulics knowledge through regular staff training and advanced education courses – even at your premises.



Every product and service in reliable, tested top quality.

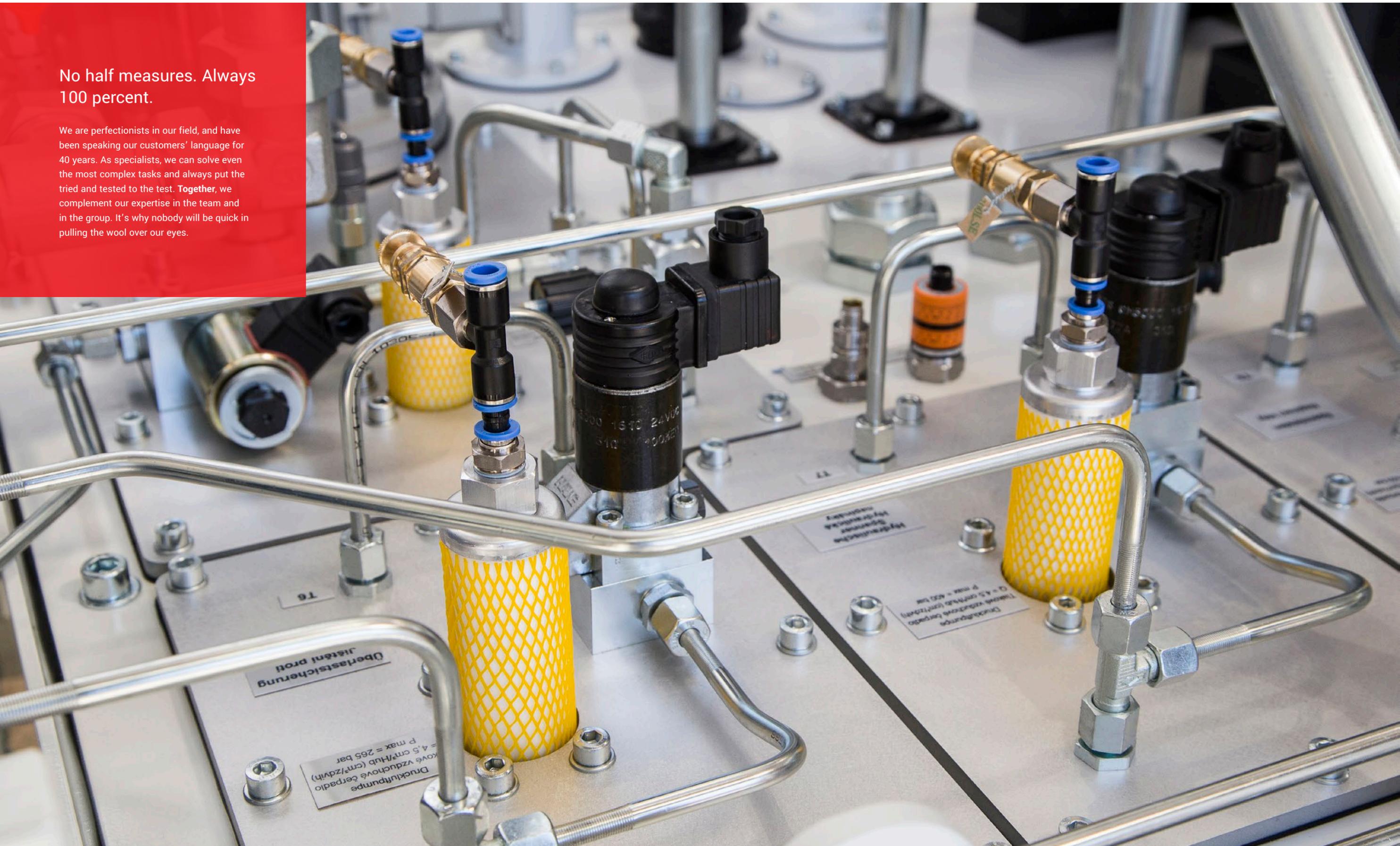
Our units and systems must function reliably and precisely over the entire lifetime of the machine. We achieve and ensure this claim through a consistent quality orientation along the entire value chain. On the basis of our certified quality management, we design each component precisely and meet the standard specifications of our customers. State-of-the-art test bench technology and precise measurement tools ensure maximum safety and reproducibility. **Quality is in our DNA.**

- > Quality management according to ISO 9001
- > Compliance with machine guidelines and individual factory standards
- > Quality inspection with the latest measuring and test bench technology
- > Regular training and further education courses



No half measures. Always 100 percent.

We are perfectionists in our field, and have been speaking our customers' language for 40 years. As specialists, we can solve even the most complex tasks and always put the tried and tested to the test. **Together**, we complement our expertise in the team and in the group. It's why nobody will be quick in pulling the wool over our eyes.





We shape and encourage talent and enthusiasm. It's how we create long-term perspectives.

As a grown family of companies, we fully rely on the individual **strengths, experiences, and personalities** of our employees. For us, this means sustainably inspiring talented young people for the exciting world of hydraulics, further developing special skills, and promoting cooperation between workers young and old. As a team, we create open spaces and prove how well work and family life can be combined.

- 1 We find, develop, and promote personal strengths.
- 2 We create open spaces for more flexibility, family, and self-realization.
- 3 We believe that young and experienced hydraulics professionals complement each other very well as a team.
- 4 We want to get people excited about our company for the long term.



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