

# HAINZL

TECHNOLOGY FOR HIGHER STANDARDS.

- FLUID TECHNOLOGY
- ELECTROMECHANICS
- TESTING SYSTEMS
- AUTOMATION TECHNOLOGY
- EMBEDDED SYSTEMS
- BUILDING TECHNOLOGY





# THE PARTNER FOR HIGHER STANDARDS



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## HAINZL – TECHNOLOGY FOR HIGHER STANDARDS


### ABOUT US

For more than 55 years, the name HAINZL is well known for fluid, automation and building technology as well as for innovative solutions.

At HAINZL, technology for higher standards stands for highly qualified consultancy, interdisciplinary engineering and expert project management. First-class production and service capacities enable us to offer advanced complete solutions from a single source and to support them throughout their entire life cycle.

Our company values are team spirit, respect, reliability, forward thinking and passion!




**FLUID TECHNOLOGY**   
We cover everything in the field of hydraulics from hydraulic cylinders, to water and oil-based hydraulic power units, hydraulic motors, and pumps, as well as a variety of other hydraulic components.



**AUTOMATION TECHNOLOGY**   
From software engineering, to the development of user-friendly control systems, and touch-panel solutions, as well as switch cabinet production, we offer you individual solutions customized to your requirements.



**BUILDING TECHNOLOGY**   
In electrical plant engineering, lighting technology, firefighting and safety technology, we offer a full range of services from planning to implementation. We also cover the fields of presentation and media technology as well as communication and data technology.

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ENGINEERING & SYSTEM EXPERTISE	004-005
TEST SYSTEMS   CONDITION MONITORING	006-007
METAL INDUSTRY   MACHINE & PLANT CONSTRUCTION	008-009
AUTOMOTIVE ENGINEERING   SMART BUILDINGS	010-011
POWER GENERATION   RENEWABLE ENERGIES	012-013
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COMPLEX REQUIREMENTS  
INDIVIDUAL  
SOLUTIONS



**RESEARCH & DEVELOPMENT**  
to increase our customers' competitive advantages through the use of the latest technologies.

**OPTIMAL SYSTEM SOLUTIONS**  
through individual, customized designs.

**DESIGN-TO-COST**  
ensures the most economic solution throughout the entire life cycle.

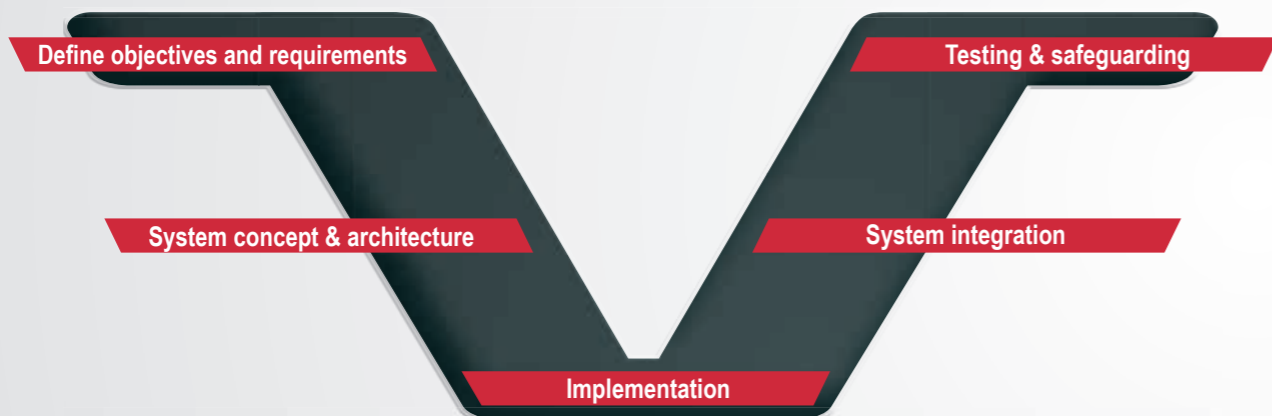
**JOINT DESIGN REVIEWS**  
for continuous improvement of endurance and operational reliability.

**MODERN SOFTWARE AND ANALYSIS SYSTEMS**  
for modeling and simulating applications and for calculations and design.

**ENGINEERING & SYSTEM EXPERTISE**

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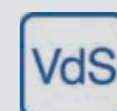
PHASES



**OUR 8 FIELDS OF COMPETENCE**

- Fluid Technology
- Electromechanics
- Condition Monitoring
- Testing Systems
- Industrial Automation
- Electronics & Telematics
- Handling- & Robotic Systems
- Building Technology

MANAGEMENT PROCESSES







End of line test system

R&D test bench

In line test bench including handling system

# What we offer for TEST SYSTEMS

We are able to realise complex test applications, from individual standalone special test benches for R&D applications, to fully integrated and automated end-of-line test systems in series production. We support our customers in meeting the ever increasing, and ever more complex, demands made of their products.

With our smart and networked automated solutions, we help our customers to raise productivity and plant availability. In addition, we provide assistance in formulating and developing test and measuring concepts.

End of line test bench

006007

# What we offer for CONDITION MONITORING

The early recognition of damage, and through that the optimization of scheduling repair work, is a vital factor in running a profitable production. Our platform of products offers solutions for monitoring, recording and evaluating important processes and conditions

in high-technology production environments. Our condition monitoring systems range from rolling mills in metal industry to crane applications and renewable energy.



Monitoring of gearboxes



Analysis Center



Leakage detection



Important data at a glance







Chem Coater for steel and non-ferrous strips



Hydraulic systems for rolling mills



Hydraulic cylinders

## What we offer for METAL INDUSTRY

We offer our customers in metal production and processing efficient system solutions in hydraulics. These include special cylinders with dielectric properties and high-quality hydraulic components. We also provide further innovative solutions in the fields of automation and process technology. Our customer-specific

condition monitoring systems provide increased operational and process reliability. Based on our many years of expert knowledge, we work with you to develop crucial competitive advantages. That is why many leading companies consider us to be a reliable and experienced partner.

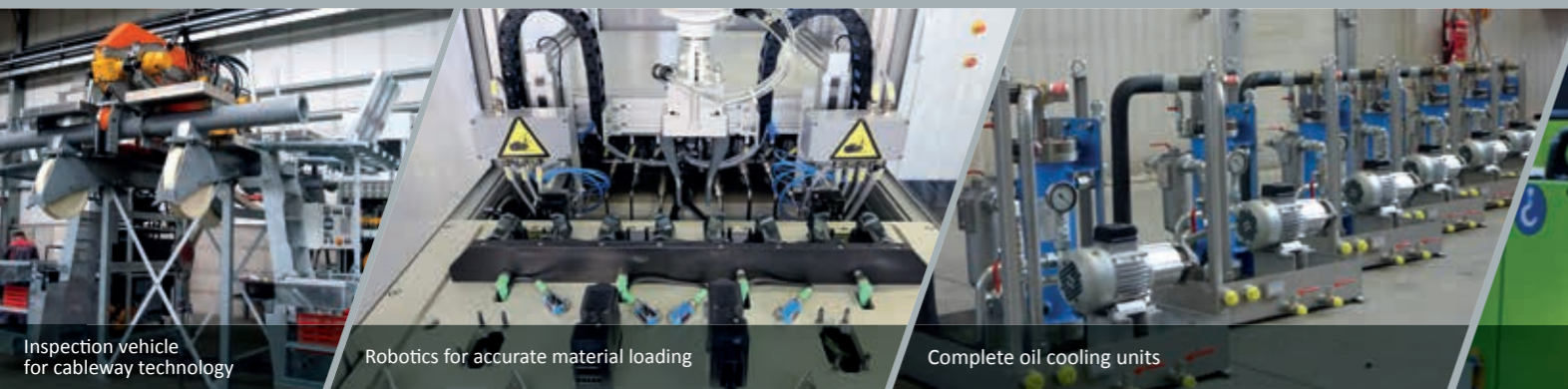
Innovative developments for all types of system used throughout the manufacturing process.

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## What we offer for MACHINE & PLANT CONSTRUCTION

From machine tool manufacture and plastics machinery construction, to paper machinery and the timber industry: We offer you compact, customer-specific solutions. In media preparation and process technology, we develop and produce innovative systems for your special requirements. This enables us to achieve high sys-

tem availability and long service lives for your machines. In the field of special machine construction, we are long-standing and reputable suppliers to world market leaders. We also have extensive know-how in developing test benches and test systems. Our portfolio is completed by handling systems.



Inspection vehicle for cableway technology

Robotics for accurate material loading

Complete oil cooling units



Advanced complete solutions from a single source for greater efficiency and productivity.





Customer-specific assembly solutions



Advanced special solutions for emergency vehicles



Mobile extinguishing equipment for vehicle construction

## What we offer for AUTOMOTIVE ENGINEERING

Whatever your automotive requirements are: We can fulfill your demands. With our wide selection of high-quality components and many years of know-how in automotive engineering, we can provide the optimal solution for you. In the construction industry, HAINZL is a serial supplier of robust and durable hydraulic components and systems. For agricultural and forestry machinery, our

products include customized valves and digital driving electronics. As a reliable partner of manufacturers of emergency vehicles, we jointly developed a complete extinguisher system for aircraft fires. What's more our competent personnel are there to support you in the area of service & maintenance across the world and around the clock.

As innovative system providers, we are preferred development partners and serial suppliers for both manufacturers and users of special purpose vehicles.

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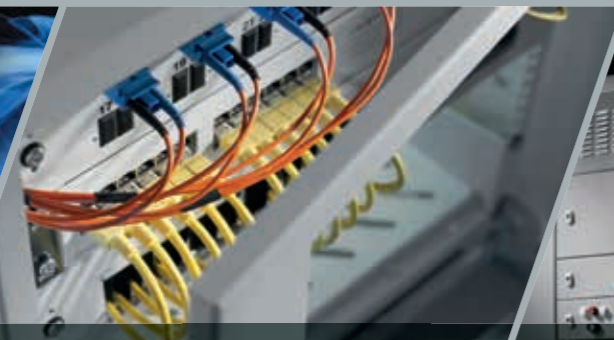
## What we offer for SMART BUILDINGS

Our references in building technology range from residential construction to industrial plants, museums, hospitals and hotels. In electrical plant engineering we can take care of your technical and cost planning, complete project management and on-site assembly. For existing facilities, our experts can offer you a complete range of services to ensure safe and trouble-free operation, from

minimum legally prescribed inspections to a customized service plan. In safety technology, we offer efficient fire alarm and extinguishing systems as well as reliable access control and video systems. Our portfolio of services is completed by state-of-the-art seminar room equipment with optimal ease of use and individually programmable user interfaces.



Safety technology



Communication and data technology

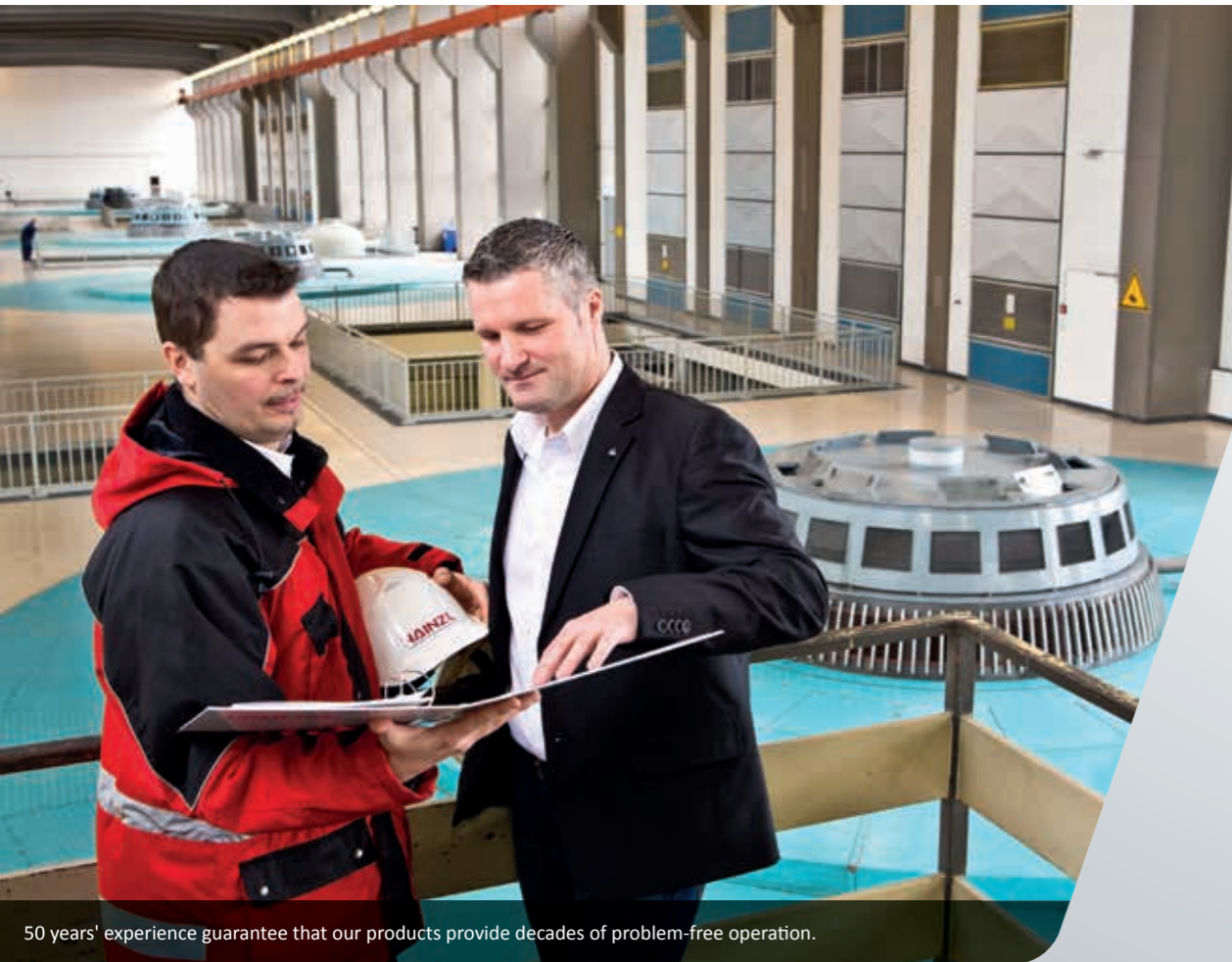


Electrical plant engineering

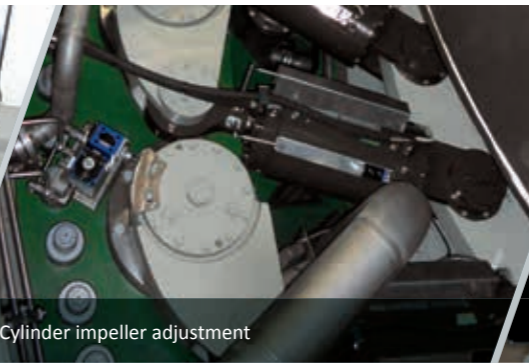


Our experts support you from planning through to project completion





Drive technology units



Cylinder impeller adjustment



Solutions for control and condition monitoring

## What we offer for POWER GENERATION

With our application database, we can provide you with optimized suggestions for revitalization work. In doing so, we can call upon 50 years' experience in the development and production of hydraulic drive technology. This guarantees that our products can be used in all different types of power plant, providing decades of problem-

free operation. Our customer base is made up of plant operators and installers of power plants in the hydro power, wind power, and oil and gas sectors. We offer them engineering, production, and assembly services in the following areas: drive technology, automation technology, process technology, and safety engineering.

50 years' experience guarantee that our products provide decades of problem-free operation.

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## What we offer for RENEWABLE ENERGIES

With our services in the "sustainable heating systems" sector, we offer you state-of-the-art and innovative electronics. This gives your products maximum efficiency in terms of control and optimal ease of use. Renowned heating manufacturers have trusted us for many years. In the biomass treatment sector too, we fulfill the

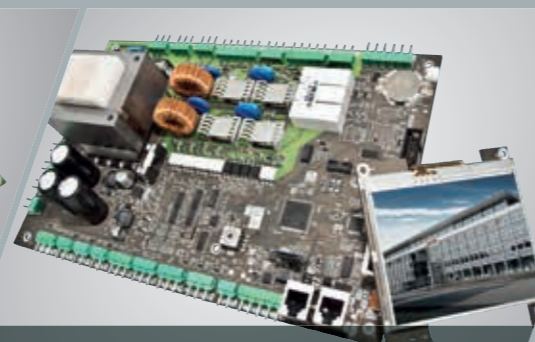
high demands placed on performance, reliability and efficiency of drive technology. With our customized system solutions, we supply the most renowned machine manufacturers in Europe. From technical design through to after-sales service.



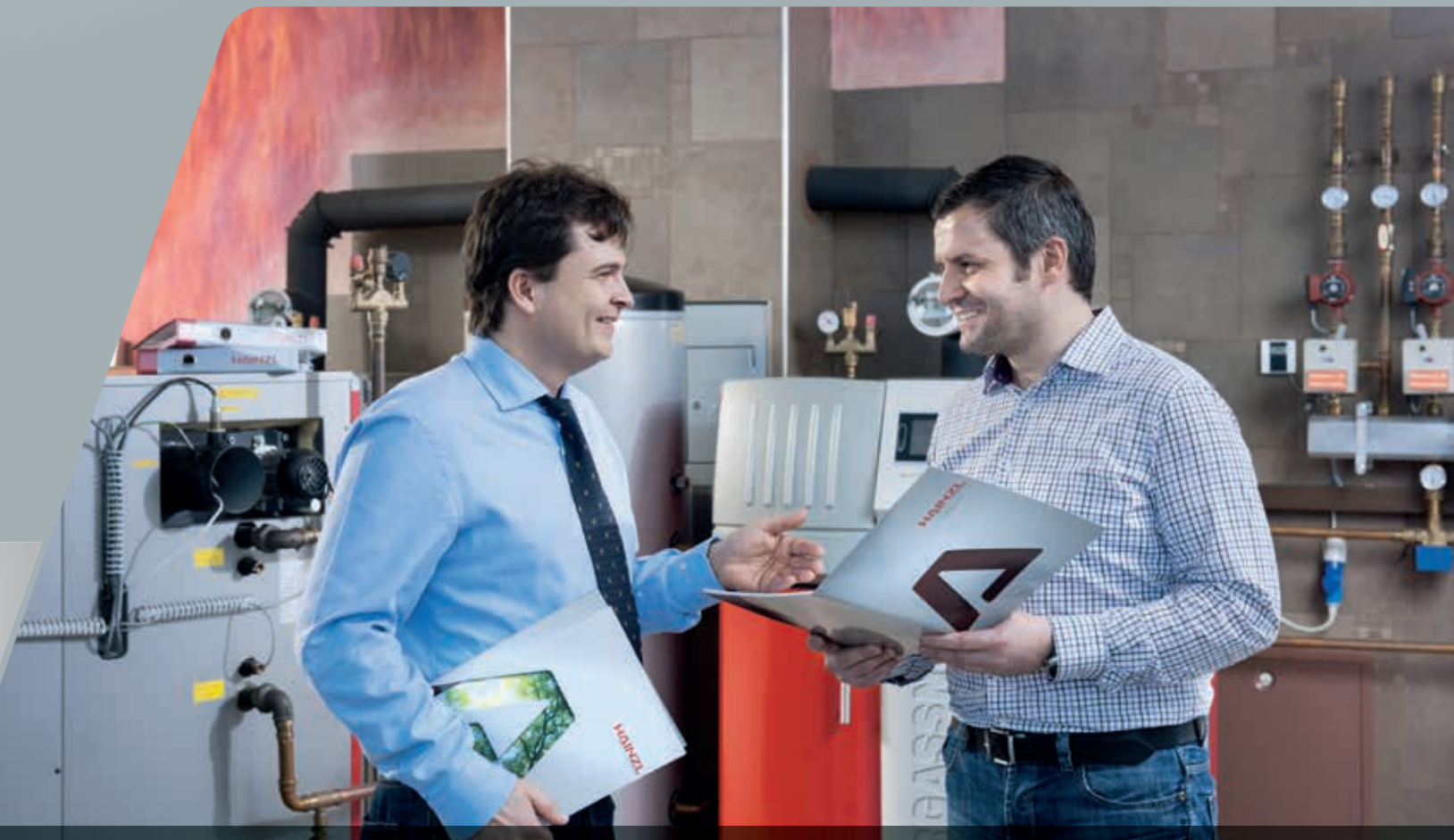
Multi-touch control panels



Boiler module

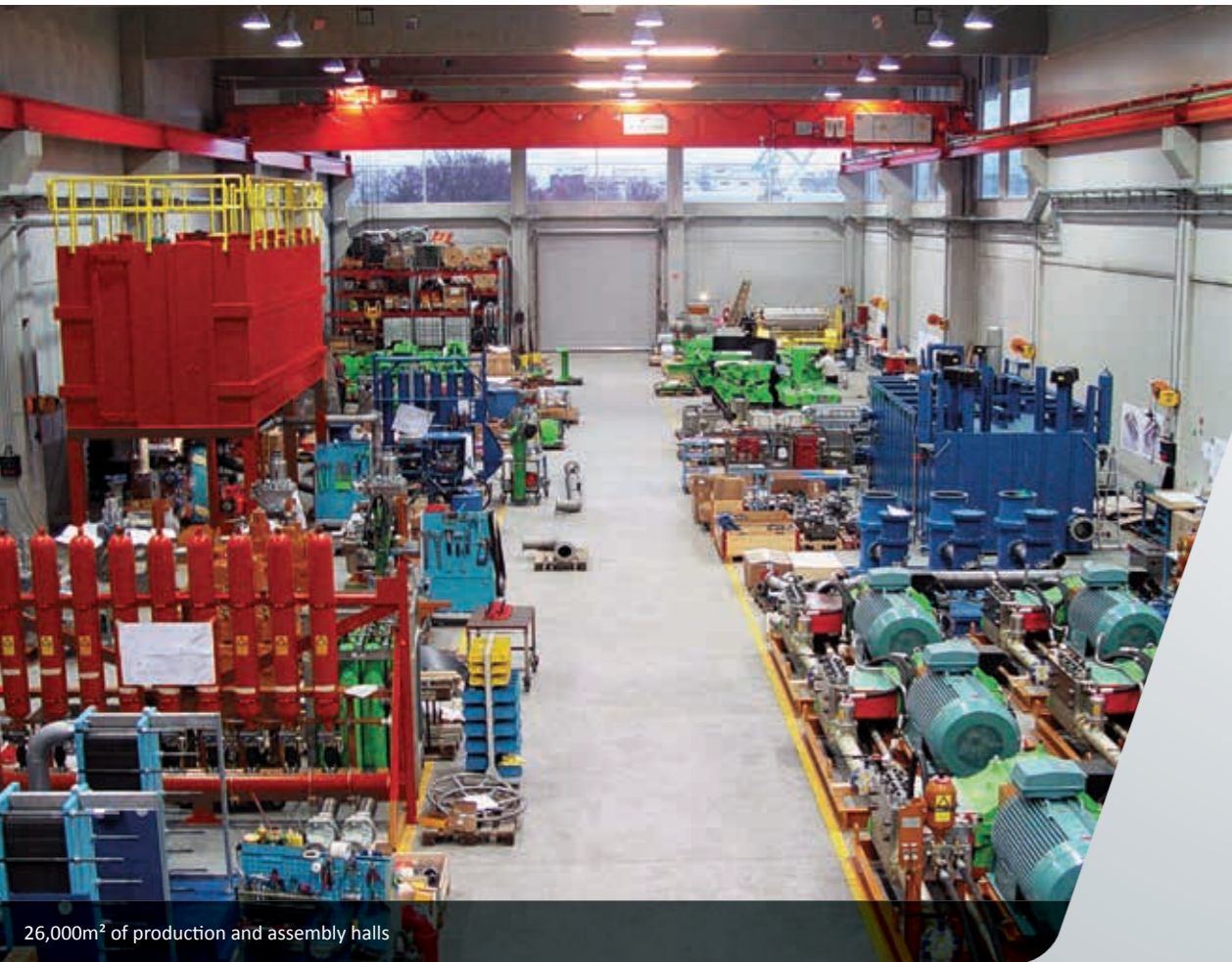


High-resolution proportional controls



Together, we develop optimal solutions for the treatment, utilization and distribution of renewable energies.





Environmentally friendly paint shop



Highly flexible mechanical production



Short cycle time - flexible flow manufacturing principle

# PRODUCTION

## FLEXIBLE & MODERN

Over an area of 26,000 m<sup>2</sup>, high-precision electronic control units, special cylinders, large hydraulic systems and complete mechatronic systems are manufactured in production and assembly halls with optimized layouts. The focus here is on achieving the highest levels of cost efficiency, quality and punctuality. The CAD/CAM connection allows even smaller quantities to be produced cost-efficient.

Experienced employees, specialists trained in-house and modern equipment ensure the highest possible levels of productivity. Cranes with 30 tonnes of lifting capacity, test stands for up to 700 bar and an environmentally friendly paint shop complete the production process.

26,000m<sup>2</sup> of production and assembly halls

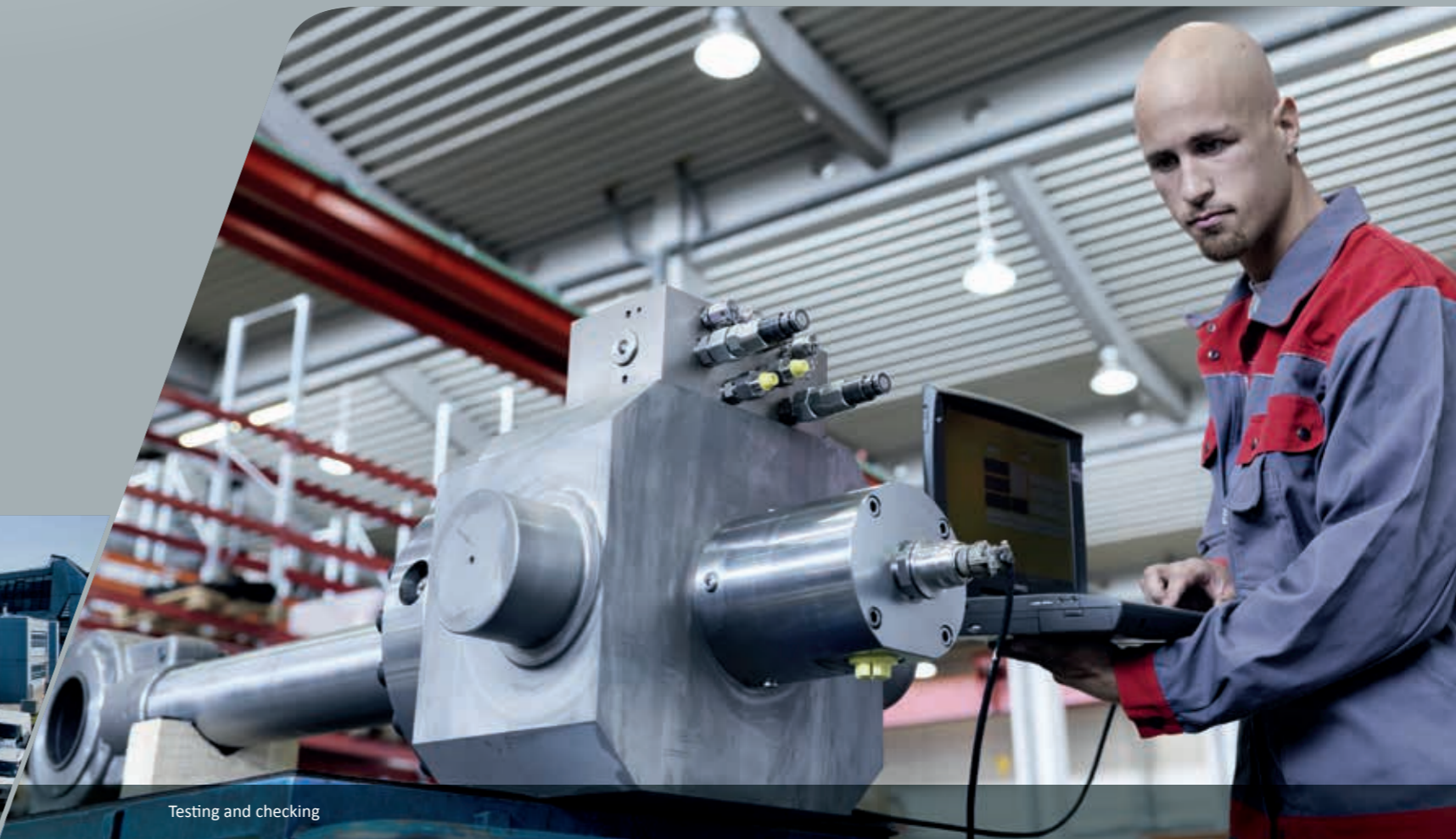
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# SERVICE & MAINTENANCE

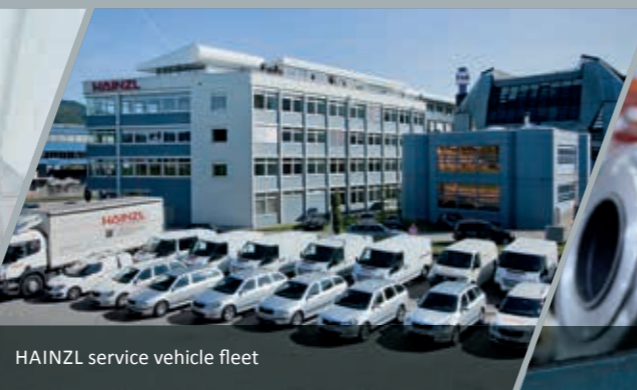
## COMPETENT & RELIABLE

Our competent and experienced team is able to meet the highest customer demands. You can rely on our experience as a service and repair specialist all around the world. With our Premium Technical Support (PTS), a new outstanding service concept, our highly qualified employees are at your disposal anytime.

An extensive spare parts warehouse and reliable cooperation with global leading manufacturers enable us to carry out your repair and service requirements swiftly. Preventive and condition-based maintenance on site as well as inspections and tests on our high-performance test benches are among our core competencies.



Our Premium Technical Support package offers 24/7 availability of our service technicians.



HAINZL service vehicle fleet

Testing and checking



**TEST SYSTEMS**

- R&D test benches
- End of line test benches
- Hydraulic test systems
- Automotive test systems
- Testbench technology / Subsystems



**AUTOMATION TECHNOLOGY**

- Custom automation solutions
- Hardware and software engineering
- Cabinet production according to CE and UL standards
- System automation
- Visualisation automation



**HANDLING- & ROBOTIC SYSTEMS**

- Heavy-duty robot
- Mobile handling device PRO-COMFORT
- Load pick up solutions



**ELECTRONIC SYSTEMS**

- Touchpanel with Linux
- Embedded systems
- SPS-Controller for OEM-applications
- Custom control units
- Controllers
- Electronics biomass heating systems
- Electronics geothermal & solar energy
- Control for ovens & serving plants
- Hardware and software engineering



**PROCESS TECHNOLOGY**

- Conditioning systems
- Filtration/cooling units
- Heat exchangers
- Water/emulsions system solutions



**BUILDING TECHNOLOGY**

- Electrical plant engineering
- Lighting technology
- Communication and data technology
- Safety technology
- Building automation



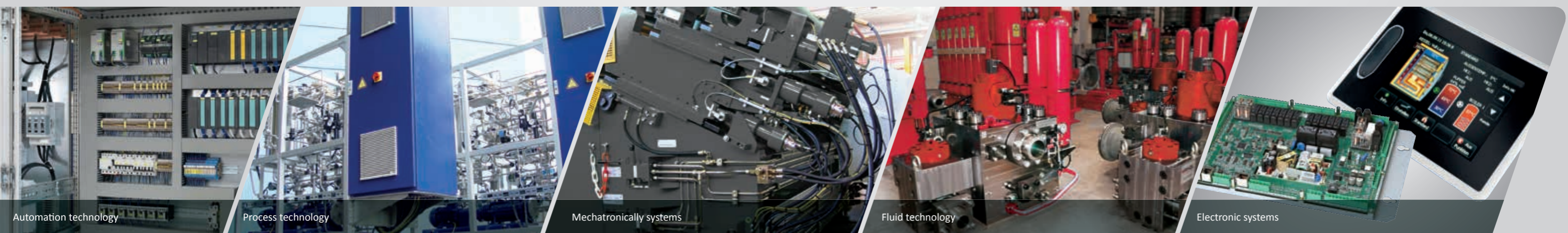
**CONDITION MONITORING**

- Vibration monitoring
- Fluid monitoring hydraulic units
- Hydraulic cylinder leakage detection
- Analysis Center



**FIREFIGHTING**

- Fixed high-pressure water mist firefighting systems
- Turnkey container solutions
- Mobile systems
- Nozzles, nozzle heads, valves & components



Automation technology

Process technology

Mechatronics systems

Fluid technology

Electronic systems



**HYDRAULICS**

- Hydraulic cylinders
- Hydraulic systems
- Pumps
- Valves
- Motors
- Rotary distributor
- Water hydraulics



**LUBRICATION SYSTEMS**

- Lubrication units
- Lubrication panels
- Industrial lubrication systems
- Vehicle lubrication
- Flange lubrication systems



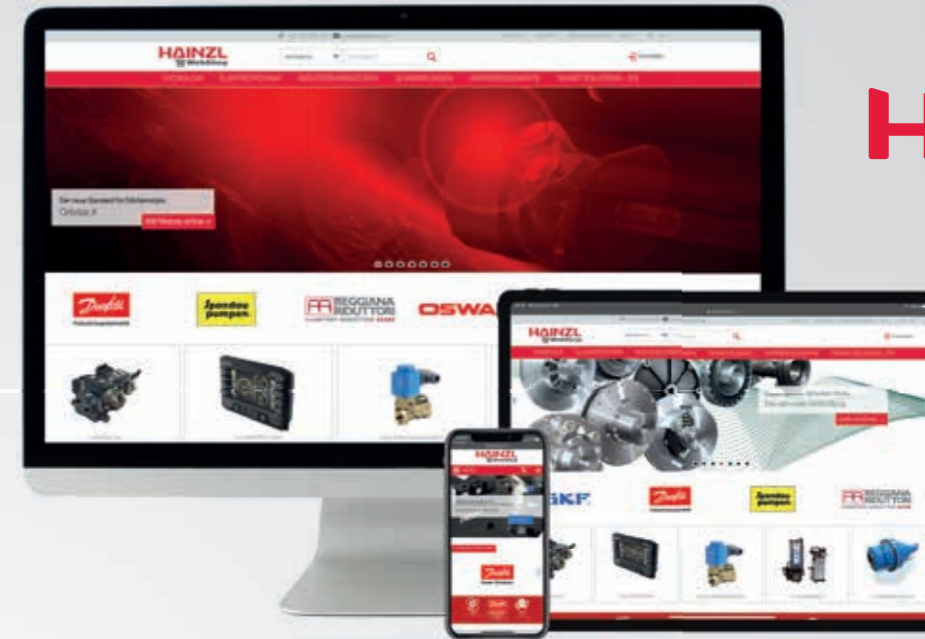
**DRIVE COMPONENTS**

- Brakes
- Gear motors
- Couplings
- Motors



**ELECTROMECHANICS & ELECTROTECHNOLOGY**

- Regulatory and control electronics
- Energy technology
- Sensor systems
- Frequency converters
- Electronic motors



**HAINZL WebShop**

The HAINZL WebShop offers high-quality products and is continuously growing. It provides leading manufacturers like Danfoss, SKF, Lincoln, Turolla and many more with products from the fields of drive technology, hydraulics, electrical engineering, industrial

valves and lubrication systems. The HAINZL Webshop is accessible under [www.hainzl.at/shop](http://www.hainzl.at/shop) or can be reached via the HAINZL Website [www.hainzl.at](http://www.hainzl.at). After your registration and activation, you can see prices and place your orders.

**YOUR BENEFITS**

- Order quick and easy also outside our business hours
- High user-friendliness
- Easy selection of product features via filter
- Product comparisons
- Intelligent search function
- Availability and delivery time of products are displayed in real-time

**OVERVIEW OF PRODUCTS & SERVICES**

**Our partners for hydraulic & electronic components**







As part of an owner-managed family business, we have been a reliable partner for our customers, suppliers and employees for over half a century. The requirements of our customers are at the center of all our activities and processes. Together with them and our system partners we create intelligent and individual systems and products.

Highly qualified consulting and engineering services, as well as first-class production and service capacities, enable us to offer the most sophisticated total solutions from a single source and to support them throughout their entire life cycle.

We are also happy to meet your individual requirements. For sure we are the right solution partner for your project and are looking forward to your inquiry!

Björn Fellner & Willi Eibner  
Executive management

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**HAINZL**  
TECHNOLOGIE FÜR HÖCHSTE ANSPRÜCHE.