Do you want to save time,
improve quality, and be flexible?

Then we are the partner for you!

LINZ
CENTER OF
MECHATRONICS
GMBH

RESEARCH DEVELOPMENT BUILD OPTIMIZE

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WE ARE DEVELOPING TECHNOLOGY FOR THE FUTURE.

We are your partners for research and development.
We rank among the world leaders in this discipline.
Our customers are large international corporations as well as national SMEs. As a ONE-STOP-SHOP, we provide solutions specially developed to suit your needs.

WHY US?

We develop solutions that are tailored to our customers' requirements, and focus on the benefits.

- TIME SAVINGS
- QUALITY IMPROVEMENT
- FLEXIBILITY

SERVICES

- Development
- Engineering
- Measurement & testing
- Technical advice
- Software
- Technology scouting

- RESEARCH
- DEVELOPMENT
- BUILD
- OPTIMIZE

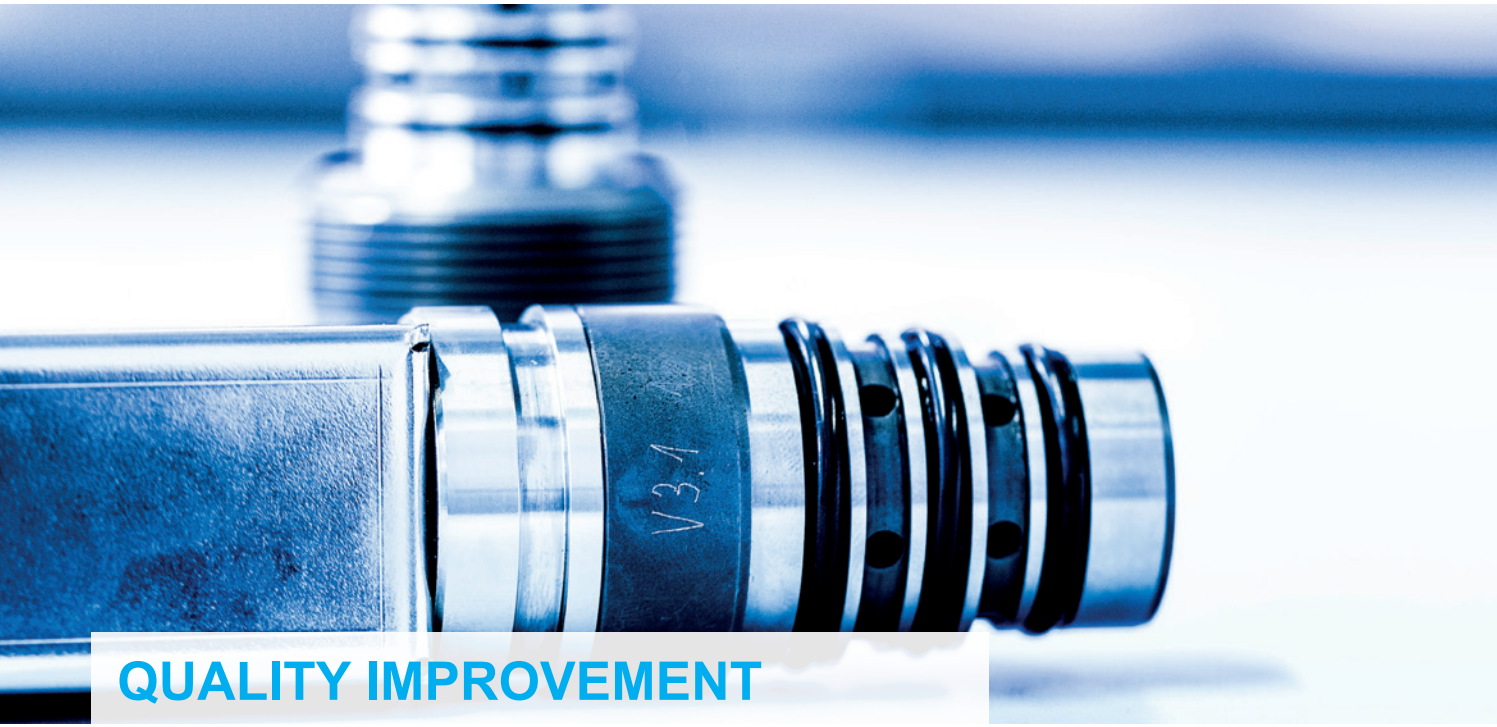
TIME SAVINGS

Benefit from greater efficiency

Numerous variants, the cost structure of a series product and ever shorter delivery times are demands that companies must keep up with today. Reducing the time taken for design, development and processing opens up huge potential for success.

Reducing the time taken for...

...design and construction
...implementation and commissioning
...prototype development



QUALITY IMPROVEMENT

Quality takes centre stage here

Improving product and process quality is crucial for the long-term success of a company in a globally competitive market, particularly in light of ever shorter innovation cycles and increasing individuality.

Optimise quality...

...in prototype development
...in the production process
...on the product

FLEXIBILITY

To be flexible you need to be future-proof

Short innovation cycles, different products and fluctuating system and machine utilization levels all pose challenges for companies which can be solved through flexibility at the development stage and during the production process.

Increase flexibility...

...for production of numerous variants
...so you can respond to fluctuating utilization levels
...to remain competitive


DRIVES
ELECTRONICS
SIMULATION
NOISE AND VIBRATION
CONTROL ENGINEERING
SENSORS
WIRELESS COMMUNICATION
RESEARCH
DEVELOPMENT
BUILD
OPTIMIZE
TIME SAVINGS
QUALITY IMPROVEMENT
FLEXIBILITY

RESEARCH DEVELOPMENT BUILD OPTIMIZE

DRIVE TECHNOLOGY

Drives for today and tomorrow

WE ARE THE EXPERTS IN DRIVE TECHNOLOGY.

When we say drive technology, we mean electrical as well as hydraulic drive systems.
Thus actuators, motors, electronics and software all come from a single source. Energy efficiency and customer needs are top of our list when developing and optimising drive solutions.
In addition to purely electrical and hydraulic solutions, we also offer our customers a combination of both technologies. This means we can create innovative solutions for our customers.

TECHNOLOGICAL THEMES AND SOLUTIONS:

Hydraulic drive technology
Tailor-made solutions from a single source are our aim – whether it be the world innovation digital hydraulics, a new hydraulic drive system, optimisation of components, or simply improving energy efficiency.

Electrical drive technology
When it comes to development or optimisation of an electrical drive, we are there every step of the way, from the design of the overall system, the simulation and the development of the electronics, including the sensor system and the software, through to the manufacture of the prototype and measurement on the test rig.

Magnetic bearing technology
Mechanical bearings are no longer enough for the solutions we develop for our customers. Magnetic bearing technology offers extremely long service lives without wear, maximum speeds and can be used in the most adverse environmental conditions.

RESEARCH DEVELOPMENT BUILD OPTIMIZE

SENSOR SYSTEMS AND WIRELESS COMMUNICATION

Networking and digitalisation

WE DIGITALISE MACHINES.

Customer-optimised sensor and radio systems in hardware combined with the latest signal processing expertise:
We help our customers to develop sensors, measuring processes and corresponding communication applications.

Sensor systems: We develop tailor-made, reliable sensor solutions – from the concept, the selection of technology and modelling, to the development of prototypes.

Electronics: We offer our customers circuit design, including functional simulation, PCB development, small-series manufacture and commissioning.

Wireless communication: We develop solutions for our customers which provide maximum transmission reliability, synchronised and distributed computation, real-time availability and energy efficiency.

Indoor localisation: Determining the position of persons, objects or vehicles in real time is gaining importance in many applications – logistics applications, autonomous vehicles, non-contact position controllers or safety systems to name just a few examples. We develop tailor-made solutions, from the algorithm to the overall system.

Image processing: Image processing is increasingly becoming an integral component of production systems and of our day-to-day business. Our image processing applications are used in the industrial environment for quality controls, process optimisation, machine control, robot control, orientation and more.

RESEARCH DEVELOPMENT BUILD OPTIMIZE

SIMULATION, VIBRATION- AND CONTROL TECHNOLOGY

The interdisciplinary areas that are used in all technical fields.

ALL UNDER CONTROL.

Mechatronic solutions are characterised by the integration of different subsystems in the fields of mechanics, electronics and IT to form an overall system.

TECHNOLOGICAL THEMES AND SOLUTIONS:

Simulation
Machines, systems and production processes are often complex systems that call for a holistic approach. The coupled multi-physics simulation, e.g. fluid/particle/structure interaction and simulation tools that can be individually adapted to suit the environmental conditions form the ideal basis for solving complex problems in development, operation and optimisation.

Vibration technology
Avoid or dampen disruptive vibrations and noise or create targeted vibrations:
based on measurement analyses supported by simulations, we develop complete solutions for our customers that are precisely tailored to their application.

Control technology
Control technology efficiently and intelligently links and coordinates the behaviour of the various systems with one another. When developing complete solutions, control technology thus plays a pivotal role in generating optimal solutions.

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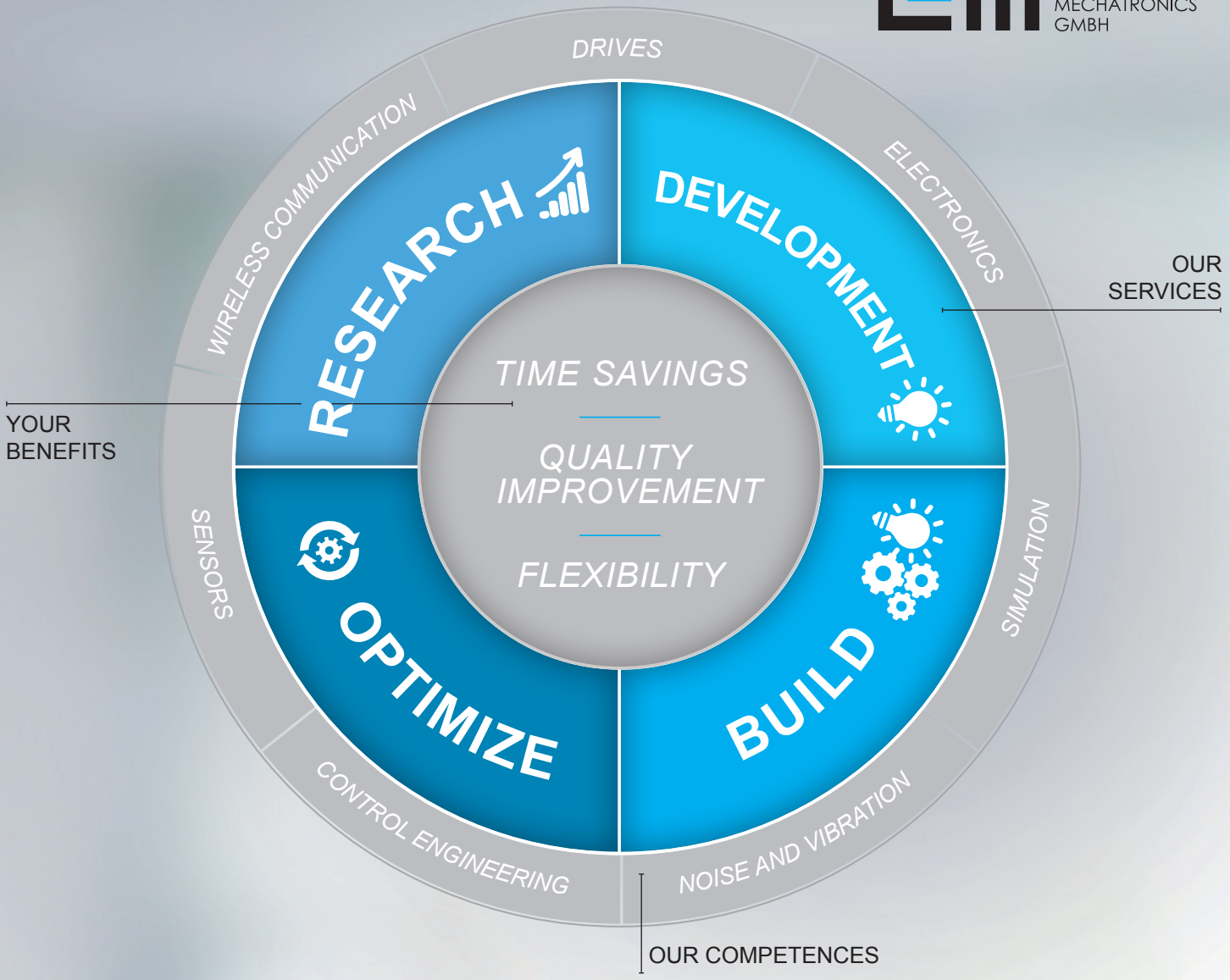

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