

MAGAZIN

LINGEMANN

EDITION 2022

GUSTAVO GUSTO
FOOD INDUSTRY
MEETS
SUPPLIER

SCHACHERMAYER
EXCLUSIVE
BUSINESS PARTNER

SHOWROOM
AWARD-WINNING
INNOVATION

PROTECTION FOR THE ENVIROMENT

Climate-neutral C-parts management in Industry 4.0,
Healthy forests, electromobility and 100 % green electricity

EDITORIAL



DEAR READERS,

The experiences of recent times have presented us with great challenges as a company. Not only Corona has changed our world, but also the topic of environmental protection is increasingly moving into our focus. Sustainability and resource conservation have never had the global power and scope of today. A sense of responsibility towards nature, people and the economy as well as sustainability with a view to future generations - these are the values which successful companies must measure themselves today against on a global scale.

Lingemann GmbH already initiated the change internally years ago and established sustainable use of resources and responsible management as corporate goals. In this magazine, we show you how we are continuously reducing our CO₂ footprint.

Let's create a more environmentally sustainable world together!

We hope you enjoy reading this and looking forward to everything we can achieve together.

Your
Alexander Pawel
CEO



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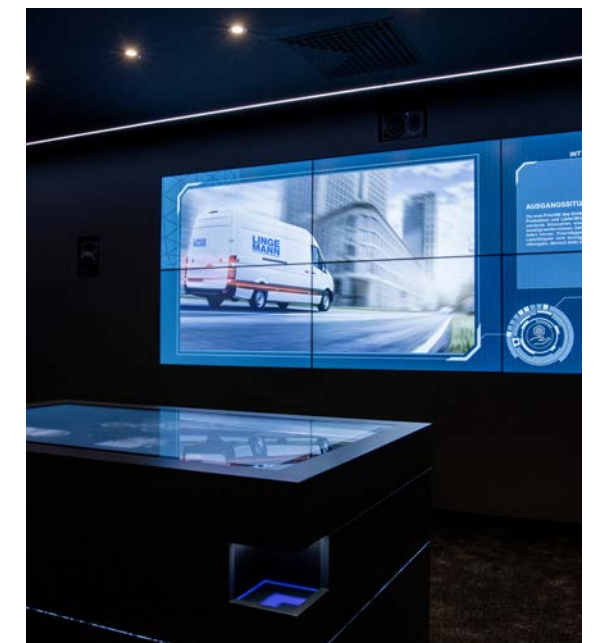
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TOGETHER FOR SUSTAINABLE DEVELOPMENT

Climate change, resource scarcity and environmental degradation: These are the challenges facing politics, society and the economy. Companies must take on a pioneering role here. Lingemann GmbH uses resources responsibly for sustainable development in order to continuously reduce its Co footprint and to protect the environment for long term - the company achieves this through a nature-friendly energy supply with 100 per cent renewable energies, sustainable mobility, ecological agriculture and economic action.

Planning for the long term

As a company, Lingemann GmbH plans long term. In a sustainable future, processes are modified to reduce greenhouse gas emissions, conserve natural resources and avoid environmental pollution. In the future, Lingemann GmbH focuses on sustainable mobility, 100 per cent green electricity, climate-friendly logistics, reforestation of climate-friendly forests and more.

Sustainable logistics

Around 20 percent of the carbon dioxide (CO₂) emissions identified in the EU are attributable to logistics activities. That is why Lingemann behaves different! The system supplier focus particular importance on effective C-parts management. Because even small changes and intelligent adjustments enable significant savings.



Digital inventory management creates planning security and reduces administrative effort and paper consumption. For example, invoices are bundled and relieves the accounting department.

At Lingemann, customers receive real-time displays of stock levels, which enable better utilisation and planning, it also reduces stock shortages.

With the help of interlocking processes and procedures, Lingemann ensures better throughput times with higher quality assurance at the same time.

In the process, the efficiency of the supply chains by bundling suppliers, optimising deliveries,

“Climate protection is a top priority: doing our part to protect the environment is close to our hearts. That’s why we see it as our responsibility as a company to take a pioneering position.”



**Alexander Pawel,
CEO**

saving packaging material reducing empty runs and ramp contacts. The efficiency of Supply chains is raised by bundling suppliers, optimising deliveries, saving packaging material and reducing empty runs and ramp contacts are reduced.

Energy efficiency and 100% green electricity

Doing business circularly means using existing resources sustainably. Electricity generation is the main source of greenhouse gas emissions in Germany. With the help of electricity from renewable energy sources, those can be greatly reduced. In order to protect the environment in the long term, Lingemann GmbH

only purchases climate-friendly green electricity. Because clean energy is sustainable and does not cause CO₂ emissions. The existing demand is covered in the long term by electricity from renewable energies or green electricity.

Thanks to an optimised energy management system, energy is used efficiently: consumption is monitored and reduced at the same time in order to conserve valuable resources in the long term.

Electromobility

According to a Bitkom study, innovative mobility can save around 25 million tonnes of CO₂

by 2030. Lingemann GmbH therefore relies on sustainable and future-proof vehicle concepts.

The company’s field staff, in particular, are on the road in Germany every day and often drive long distances to provide the best possible service to customers. One third of the company’s resource-saving fleet already consists of electric and hybrid vehicles. This will be further expanded in the future. The management is setting a good example and will be driving completely electrically from mid-2022 in order to further reduce overall emissions.

The environmentally friendly vehicles will be charged at the company’s own e-charging stations, using 100 per cent green electricity.

Climate-strong forests

Our forests are not only threatened by climate change - they also act as important climate protectors. For leaves and needles filter the climate-damaging carbon dioxide from the air and split it into oxygen and carbon. A single strong tree produces about as much oxygen as ten people need to breathe.

In order to make native forests climate-stable, Lingemann GmbH plants five new trees per newsletter subscription in a section of forest in the Westerwald that has been destroyed by bark beetles. Sustainable varieties of trees that can adapt well to the changed climate conditions are planted so that habitats for native wildlife can be created there again and those strong trees can produce oxygen.





GUSTAVO GUSTO: OPTIMISED C-PARTS MANAGEMENT

Hand-pulled dough, natural ingredients and an original Italian taste experience: these are the pizzas from Gustavo Gusto. Right to the credo: a frozen pizza that tastes at least as good as one in a good Italian restaurant - Christoph Schramm started his own frozen pizza production called Franco Fresco in the Bavarian town of Geretsried near Munich in 2014.

In addition to good taste, Gustavo Gusto focuses on sustainability. The pizza doesn't just taste like Italian, climate-neutral production and regional, natural ingredients are the order of the day here. In order to protect the environment as much as possible, the company

has had its CO₂ footprint precisely calculated and all emissions caused by administration, production and delivery are completely offset again. This makes Gustavo Gusto the first frozen pizza manufacturer in Germany to therefore offset all emissions and offers a climate-neutral frozen pizza.

To optimise its sustainability in the area of C-parts management, the company turned to Lingemann GmbH. The system supplier offers Gustavo Gusto various solutions to make their processes leaner in the long term. The focus is here on the bundling of suppliers and the associated goods receipts. As a

system supplier with decades of experience in supply chain management, Lingemann GmbH supports Gustavo Gusto in the structure of order management. Gustavo Gusto also focuses on sustainability in the selection of products: compostable materials and Fairtrade are in the focus here.

"With an extensive pool of suppliers and several million different articles, Gustavo Gusto, Europe's fastest-growing food brand, benefits from our procurement power and years of experience. The focus of the cooperation is on optimising the ordering processes and bundling the suppliers. This is

"A project with exciting dimensions. We are very happy to face any challenge together with Gustavo Gusto and to find the optimal solution."

**Christian Dedy,
Business
Development Manager**



Delicious, almost like Italian

The pizza not only tastes like it does at the Italian restaurant, climate-neutral production and natural ingredients that are as regional as possible are part of Gustavo Gusto's programme.

precisely where Lingemann relies on a close exchange with Gustavo Gusto to set up a customer-specific online catalogue for the company and to supply it perfectly with C-parts," says Christian Dedy, Business Development Manager at Lingemann GmbH and Gustavo Gusto's Project Manager.

Bundled deliveries involving fewer journeys not only to save time and money, but also resources in the long term. Furthermore, the accounting department is relieved by invoice bundling as well as uniform payment terms.

"The implementation and optimisation of our C-parts management makes things easier for us, as we can bundle many processes - from ordering procedures to invoicing in the accounting department. This is an enormous added value for us. The cooperation with Lingemann is always uncomplicated and to all familiar. No matter what we need, our contacts always find an optimal solution for every challenge," explains Hendrik Voelk, Purchasing Manager at Gustavo Gusto.

Logistics and food have a lot in common: at least in our case. Just like Lingemann, Gustavo

Gusto plants trees to protect the environment sustainably - Lingemann in Rhineland-Palatinate and Gustavo Gusto in Brazil. In doing so, both rely on native tree species and pay specific attention to soil conditions. In addition, Gustavo Gusto motivates the local people to deal with the environment in a sustainable way and enables them to earn their own income, for example, by growing fruit, producing animal feed and using the wood.

The full supply system of Lingemann GmbH is currently being integrated in the branch in Geretsried, Bavaria. This will be followed by the Franco Fresco plant in Artern, Thuringia.



BOOSTRACK: WITH DIGITALISATION TO SUSTAINABILITY IN THE INDUSTRY

Transparency about one's own supply chain, using digital solutions for more efficiency and minimising the negative impact on the environment - these are the challenges in the global economy with complex value chains. The advancing digitalisation and networking of industrial processes as the core of Industry 4.0 offer new approaches and opportunities to implement sustainability easily and simply.

The forward-looking products of the Lingemann subsidiary BOOSTRACK are designed for sustainability in the value chain. The BOOST.Tower digital dispenser offers plenty of storage space in around 1800 individually configurable compartments and four different drawer sizes. From the key management to the storage of PPE items as well as tools. The dynamic storage system also automatically triggers the order, if the minimum quantity is not reached. The BOOST.Box is ideal to use in magazines and warehouses. As a modern Kanban system, the Box meets all the requirements of simple process optimisation. From access authorisation to automatic reordering, the BOOST.Box enables

“BOOSTRACK enables the entry into digital material management. In the process, the consumption of energy and resources is significantly reduced”.



**Christian Gerken,
CEO**

transparent traceability of the movement of goods. The BOOST.Button enables not only the in-plant material supply, but also the control of a multi-stage production taking into account the pull principle. Business processes of various kinds are triggered with just one click. At flow racks or pallet racks, just-in-time changes in fill levels can be recorded and tracked with the BOOST.Sensor and reorders can be triggered. Control rounds in the racking warehouses are a thing of the past.

With the smart technology of the BOOSTRACK products, not only walking distances but also paper consumption in logistics are reduced to a minimum. In this way, the environment is sustainably protected. Automated processes become transparent and, with the help of digitalisation, companies can plan safely, with foresight and, above all, conserve resources. Because Industry 4.0 is efficient, digital, sustainable, networked and intelligent.



LOGISTICS 4.0

Flexibility, efficient processes and maximum supply security: Industry 4.0 is the big topic in the fields of intralogistics, logistics and materials management. BOOSTRACK GmbH offers modern goods issue systems that ensure the optimum supply of C-parts management with simple material removal. In order to expand its service even further internationally, BOOSTRACK GmbH is now cooperating with the Austrian Schachermayer Großhandelsgesellschaft m.b.H. The two experts are drawing on their combined know-how to lead woodworking and metalworking companies in Austria into the future of digital materials management.

Digital transformation requires flexibility and individual solutions. With the exclusive partnership between BOOSTRACK GmbH and Schachermayer, technical innovations are integrated along the value chain and production processes are networked.

“Covering the entire process chain in Industry 4.0 and the associated satisfaction of our customers are our focus. We are pleased that we have now found an exclusive partner for the distribution of our modern digital modular system in Austria in Schachermayer GmbH. This means that customers have a competent contact person

on site to assist them with the digitalisation of their supply chain,” explains Christian Gerken, Managing Director of BOOSTRACK GmbH.

Material procurement 4.0

The scope of BOOSTRACK GmbH's product portfolio has increased significantly in recent years. At the same time, the high demand from the multitude of customer segments and growth fields requires a bundling of resources in the areas of Industry 4.0.

With the digital dispenser BOOST.Tower, materials are selected within a production hall via a touch panel. The tower analyses consumption and automatically reorders in time at the customer's request. This way, companies have exactly the products they need in stock 24/7. The space-saving counterpart is the BOOST.Box. Thanks to its lightness and flexibility, it offers efficient material provision directly at the users' premises and can be

described as a mobile KANBAN 4.0. Processes or orders are conveniently triggered at the touch of a button with the BOOST.Button. With the help of the BOOST.Sensor, just-in-time changes in fill levels can be recorded and reordered. As a smart and cost-effective scanner solution, the BOOSTRACK apps can be operated on all common end devices and are used to configure the BOOSTRACK components. The BOOST.Station forms the central interface. It acts as a communication module and is integrated into the ERP system. All processes are rounded off by the intelligent BOOST.Warehouse software.

“We have found an excellent partner in BOOSTRACK GmbH. Especially with regard to our product range, the cooperation enables exciting synergies and we are pleased that we can present our customers with a system for parts procurement in this way. It is a simple entry into the direction of Industry 4.0,” says Managing Director Gerd Schachermayer.

Testing products on site

At Schachermayer in Linz, companies have the opportunity to test all BOOSTRACK products directly on site in the shop and receive individual advice.

“
**EXCLUSIVE
PARTNERSHIP**

SHOWROOM

PROCUREMENT FUTURE

Digitalisation and automation of production and procurement processes: Lingemann GmbH's interactive showroom "Procurement Future" is a pioneer in digital product presentation

In cooperation with the Berlin partner company, Garamantis Interactive Technologies, a multimedia showroom was created in which companies can immerse themselves in the digital world of procurement systems and put their processes to the test directly on site using model concepts.

On only 55m², the complexity of digitalisation, IoT technology in warehouse logistics as well as the simple application and added value for companies are presented at a glance.

Clear and innovative

The showroom opens up the entire spectrum of digitalisation possibilities for Industry 4.0. Orders can be triggered easily and securely at the touch of a button, downtimes minimised thanks to automatic reordering or triggering of processes, and comprehensive reports sent quickly and easily.

Multitouch scanner table

The heart of the showroom is a multi-touch scanner table, that is networked with a screen wall and the IoT solutions from Lingemann.

With customised multitouch software, the table features 4K resolution and 80 parallel touch points. With its unique optical object recognition and LED lighting, it is currently the most interactive table on the market. Here, almost any number of users can simultaneously call up topics, content and products in German and English. This content can be "thrown" with a "swipe" onto the screen wall, where it unfolds in native resolution and is supported by impressive presentations and videos.

This effect is enhanced by more than 2,000 high-performance LEDs individually controlled by the software, network-controlled light spots and a 7.1 surround system. Lingemann's activities in Europe as well as industry trends can be interactively explored via playfully simple touch interactions.

Complex processes, such as the automatic and demand-oriented

procurement of C-parts and their transport to the immediate processing in the production process, are conveyed in the showroom using multimedia.

Winner German Innovation Award 2022

In the category "Excellence in Business to Business - Retail & Trade Solutions", the interactive showroom was awarded the German Innovation Award 2022 as the innovation of the industry.

Free appointment arrange

Companies can make a non-binding appointment at service@lingemann.com to make an appointment without obligation.



WINNER: EXCELLENCE IN BUSINESS TO BUSINESS



**GERMAN
INNO
VATION
AWARD '22
WINNER**

LINGEMANN GROUP

NEWS FROM OUR LOCATIONS



Romania, Codlea

The Lingemann location in Romanian Codlea was founded in 2008 to be closer to the customers represented abroad. Among other things, the BOOSTRACK products, such as the BOOST.Tower, are manufactured here.

The year 2022 has started successfully for the employees from Romania. Among other things, they are in charge of an extensive project for a new customer. This customer will initially receive three BOOST.Towers. The project is to be expanded to Germany and Poland in the upcoming months.

Increasing networking due to Digitalisation 4.0 is increasing the demand for innovative and smart products for industry. With IoT solutions, rigid and firmly defined value chains are becoming flexible and dynamic. For this reason, the functional scope of BOOSTRACK products is getting continuously expanded. On the one hand, this concerns the products themselves and, on the other hand, the self-developed software.

In addition to the extensive BOOSTRACK portfolio, the employees in Romania plan and develop intelligent concepts and individual solutions for assembly lines, which are individually adapted to the needs of the customers.

The focus here is specifically on automation and line optimisation. Customers receive the entire service at all locations, from technical advice and project planning to assembly and installation.



Poland, Jelenia Gora



In order to be close to our customers, Lingemann GmbH founded a branch office in Poland in 2016. From our headquarters in Jelenia Gora, we provide comprehensive support to various industrial customers as far away as Warsaw.

New year - new premises: Since 01.01.22, the employees in Poland have moved into their freshly renovated offices in Jelenia Gora. Only half a kilometre away from the previous location, about 500 m² provide optimal development possibilities. From here, all customers in Poland are optimally served.

The customers benefit from the extensive BOOSTRACK portfolio. In Warsaw, for example, another BOOST.Tower was implemented. The customer receives the Lingemann carefree package with filling service in the area of auxiliary materials for his production. The project will be expanded to include other BOOSTRACK products in the future.

“
**WE
AUTOMATE
ACROSS
ALL SITES!**



Kamila Sliwa, CEO Poland



The BOOST.Button

It offers optimum material supply with just one click.

OCCUPATIONAL SAFETY THANKS TO INDIVIDUAL WORKBENCHES

Functionality, order and ergonomics are the most important requirements at workplaces in production, in the warehouse or in the workshop. In the long term, the quality of the materials and the load-bearing capacity make the decisive difference. Thanks to an extensive variety of combination options, the customised workbenches enable space-saving workplace furnishings.

Variable workplace design

Drawer cabinet, workbench, workstation, cabinet or shelf systems: All components can be individually configured and flexibly adapted to a wide range of requirements.

The implementation of ergonomic workplace systems can increase efficiency and reduce absences due to incorrect loading.

With height adjustment, for example, the assembler can bring the workbenches to an ergonomic working height. Castors with additional brakes make the workstation mobile. For a further plus in ergonomics, cleanliness and order, attachments such as perforated walls, holders, storage shelves or LED lighting units can be fitted to match the workbench. In this way, workplace safety is optimised, for example, through the targeted provision of materials within easy reach.

SCANNER SOLUTION IN THE MAGAZINE

A LOOK BEHIND THE SCENES OF AN EXISTING CUSTOMER PROJECT

The perfectly sorted screw warehouse: our customer approached us with this wish. As the world's leading manufacturer of brake pad technologies for passenger cars and commercial vehicles, he needs his materials directly at the production site at any time of day. Even when the warehouse is not occupied, access to all screws must be guaranteed as all time.

Digital warehouse management

The new screw warehouse offers the customer an entry into magazine digitalisation. The BOOST.VirtualButton is the smart and efficient solution for his warehouse logistics. The QR codes were attached to the four-shelf-metre screw warehouse.

With the BOOST.VirtualPlace, our customer has an overview of all warehouse movements and stock levels. This allows him to speed up his internal



warehouse processes and orders are triggered automatically. In addition, existing resources are optimally utilised.

Walking distances minimised

The screw warehouse is centrally located in the production area. This minimises walking distances, as the employees no longer have to go to the regular warehouse, which is not located in the same building. This enables a time



UP TO 80 % SAVINGS

saving of around 30 minutes per material supply.

Just in time

Prompt implementation was important to the customer. "From the beginning of the planning to the subsequent implementation of the screw warehouse, only a few months passed - the commissioning even took place in only a few weeks," explains Detlef Barani, project manager at Lingemann GmbH. "This not only saves walking distances, but also optimises procurement processes with the help of Lingemann

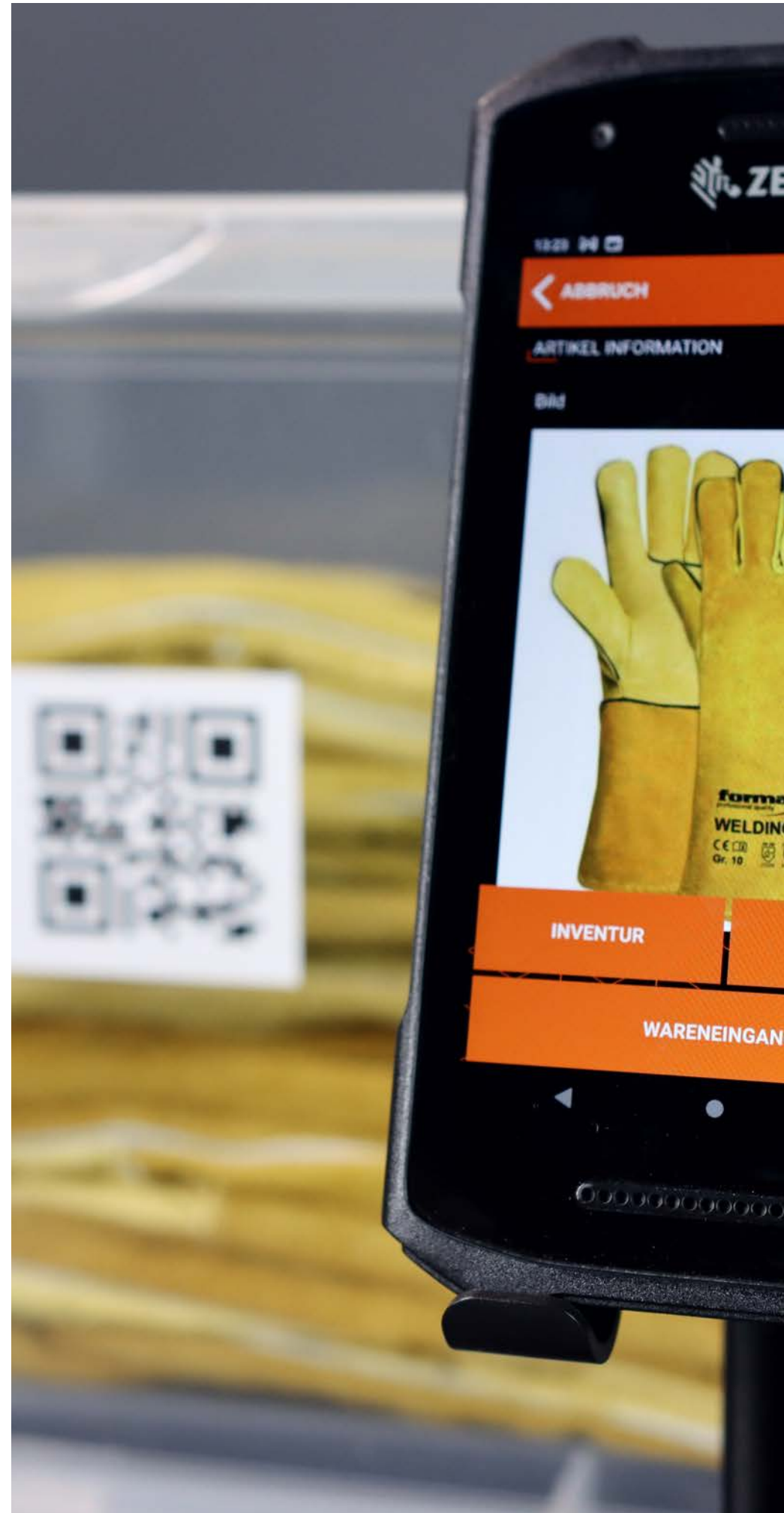
Service."

Maximum security of supply

As our customer supplies effective, reliable and safe brake solutions for the automotive and industrial sectors, security of supply is essential. In addition to the optimisation of procurement processes, the customer benefits from Lingemann GmbH's filling service, which guarantees the availability of the bolts.

"Since we have been serving the customer for decades, we are even more pleased that we were able to implement this project and through advance Digitalisation 4.0," says Ralf Schneider, Sales Division Manager at Lingemann GmbH. "This way, our customer can reduce the effort in his magazine by up to 80 percent from now on."

In the long term, our customer plans to establish the scanner solution in other locations as well.



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