

# LIOS

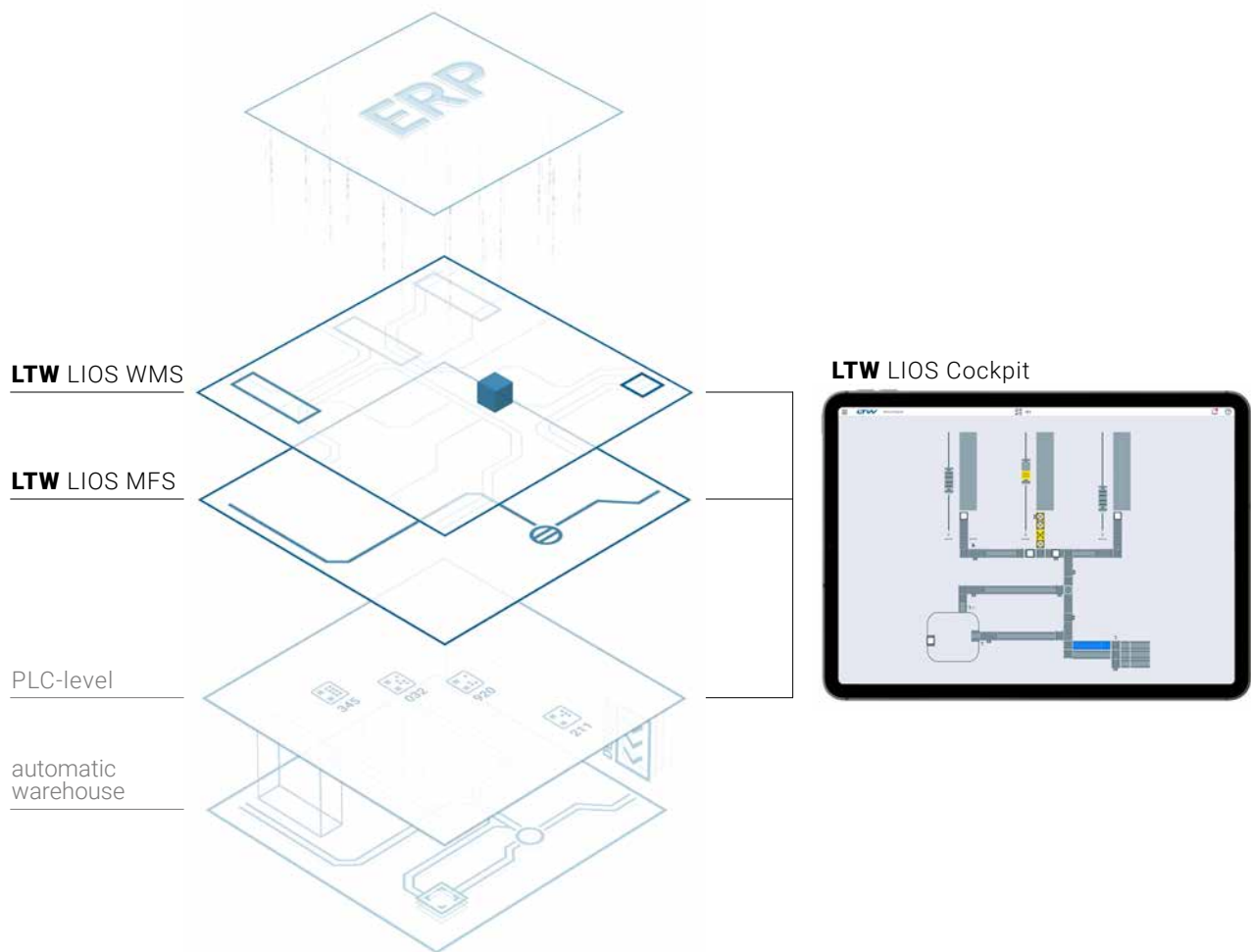
LTW Intralogistics Operating System

## **LTW** SOFTWARE

### THE HEART OF THE INTRALOGISTICS SYSTEM

We have developed our software from the bottom up, based on in-depth knowledge of our components in combination with the specific processes of our customers' systems. This is so important because the software not only plays a key role in bringing all the system components together, but also controls the optimization of the flow of goods. Smooth material flow is only possible with perfectly coordinated intralogistics software.

And it scores with high quality and flexibility. We combine sophisticated standard logistics software with modules that are individually tailored to customer requirements. Implementation is done in close cooperation with our customers. The best part? Our software is suitable for any industry. Thanks to our strong in-house software expertise, we can now provide customers with expert support not only for complex warehouse management systems.



LTW SOFTWARE

# LTW LIOS: LTW INTRALOGISTICS OPERATING SYSTEM

## Intralogistics software as a key component

With LTIOS, we have developed a completely new software family that takes the interaction between mechanics and software to a new level. It combines the strategic planning of material and goods flows with all work processes of the intralogistics system. Thanks to its flexible system architecture, our new software enables a seamless interface with existing systems. LIOS also has various modules and extensions that can be added as needed. The two core modules, the LIOS Warehouse Management System (WMS) and the LIOS Material Flow

System (MFS), cleverly solve all your problems related to the flow of goods in the background. No matter if it is about increasing productivity or minimizing the error rate. LTIOS knows where your goods are at all times and how to make the flow of goods as fast and efficient as possible. To ensure that the new system is also user-friendly, we have completely redesigned it – with the LIOS Cockpit we have created a highly intuitive user interface, making it one of the most user-friendly in our industry.

# LTW SOFTWARE COCKPIT

## Everything at a glance

Our new graphical user interface leaves nothing to be desired. It gives you a complete overview of your entire intralogistics system, so that you can concentrate fully on your system. We designed LIOS Cockpit so that all your employees can access the system from anywhere, at any time, and have a complete overview at all times.

The best feature?

The new interface is so intuitive that your staff won't need any training because it's simple and self-explanatory. As you can see, we got it right when it comes to usability. LIOS Cockpit is currently available in two versions. The basic version includes a browser-based visualization of your plant as well as optimal control and monitoring of all systems. With our Premium Package you get extended LIOS Cockpit functionality as well as additional features and add-ons. As you can see: Our user interface has everything you need.



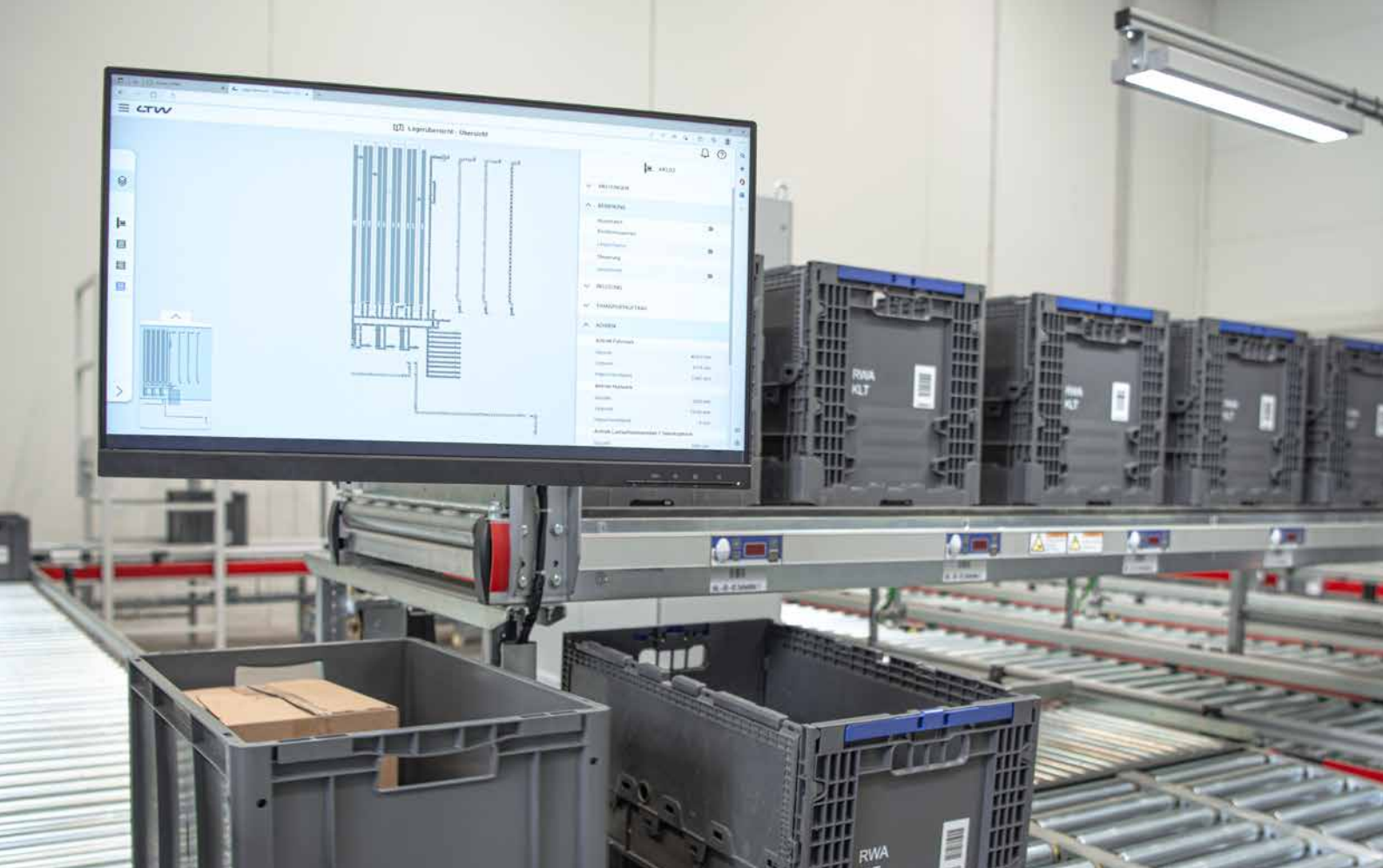
# LTW SOFTWARE MOBILE OPERATOR

## Operation made easy

Manual operation is unavoidable when a system is down. Conventional HMIs are often cumbersome and complicated to use. That's why we have taken manual machine control to a new level with the LTW LIOS Mobile Operator. Now it is possible to conveniently control the entire system with a tablet.

How is this possible? Thanks to flexible docking at each control station, the manual operation area opens in the LIOS cockpit and you're ready to go. Safety first: Since work can only be performed at the respective operator station, the sophisticated safety concept always knows where the operator is physically located.





## LTW SOFTWARE WMS

### Focus on efficiency

The warehouse management system is a central element of any intralogistics system. It not only cleverly organizes all fully automated processes in the background, but also coordinates the logistical flow of goods for manual operators. In other words, it supports manual, hybrid and fully automated intralogistics systems. As an intelligent link, the LIOS WMS connects all areas of your intralogistics system and significantly increases the overall productivity of your company. The needs of our customers are our top priority.

Together with you, we define specific algorithms and adapt the LIOS WMS to the individual requirements of your company. This ensures that all processes are perfectly tailored to your business. Thanks to the cross-system consideration of contingency strategies and alternative routes, the risk of breakdowns and downtime in your plant can be significantly reduced.

## LTW SOFTWARE MFS

### Focusing on the material flow

LIOS MFS is responsible for material flow control. What does this mean? Control involves the planning and design of internal material flows and forms the basis for transparency and efficiency within the processes. In material flow planning, we take into account the entire logistics process, from incoming goods to outgoing goods, as well as the associated infrastructure and future customer requirements.

If a material flow is not optimally planned, the entire process chain will not run smoothly. Optimal and well-thought-out material flow planning is required to reduce lead times, minimize error susceptibility, increase efficiency and reduce logistics costs. Thanks to our LIOS MFS, material flows can be optimized and the efficiency of the entire system increased.

# RECEIVING CONVEYING STORAGE PICKING SHIPPING

LTW*SOFTWARE*

## FLOW OF GOODS

### From goods receiving to shipping

Our software provides you with optimal support for all processes related to your intralogistics system. Goods must be routed correctly as soon as they are **received**. The stored software strategy decides where the goods should be stored and provides the employee with the necessary information. The worker can then place the goods on the pallet, into containers or other items before labeling and possibly wrapping. Once as the goods are ready for storage, they are **conveyed**.

The reliability of the equipment is important here, as is the software in the background that controls the material flow. Typically, there are many interfaces between the various systems. When it comes to managing and controlling both manual and automated transport, we are the professionals. When it comes to **storage**, the warehouse management system is a central element of every intralogistics system.

It not only cleverly organizes all fully automated processes in the background, but also coordinates the logistical flow of goods for employees. This means that both manual, hybrid and fully automated intralogistics systems are supported. In addition to a comprehensive warehouse management system with a forklift control system, our software also supports a wide range of **picking** solutions. We also provide the mobile devices to go with it. Whether it's a tablet that shows the forklift driver the route directly or special devices for picking and packing staff in the e-commerce sector.

Thanks to the LTW LIOS, the last station, the **shipping** station, is particularly easy to prepare. On the one hand, the software itself recognizes at which picking point the goods are to be prepared for shipping, and on the other hand, it plans the route management so that the goods are ready for picking in the correct order.

**LTW.AT**

**LTW Intralogistics GmbH** · Achstrasse 53 · 6922 Wolfurt · +43 (0) 5574 6829-0 · office@LTW.at