

# WAMAS<sup>®</sup> LOGISTICS SOFTWARE

Incredible Efficiency



# SSI SCHÄFER Automation: „Think Global – Act Local“

## **Market leader**

SSI SCHÄFER is a market leader in the automation technology business, especially when it comes to the design, conception and realisation of projects for efficient intra-logistics. We provide individual, custom-made logistics solutions from a wide range of products based on standard components.

## **Offering a comprehensive range of products**

As a reliable partner we are determined to meet your needs and find individual solutions for your business in order to guarantee long-term and successful logistics. Our know-how as well as our industry-specific knowledge and experience will help you choose the most efficient system for your business. Also, our state-of-the-art products are being constantly modified in order to meet the customer's and market requirements.

## **Investment protection**

We ensure sustainable efficiency and optimisation as well as profitability of the specific business processes of our customers. Defined interfaces of solution components provide flexibility and create the basis for growing, state-of-the-art solutions, ranging from manual warehouse systems to fully automated picking systems.

## **Lifetime Partnership**

With an enviable portfolio of customers from small, regional to major international organisations, our subsidiaries worldwide supply and provide solutions for individual warehouses as well as supply chain solutions for multinational companies. In this way we are able to support our customers and ensure their corporate growth in the long run.



## „We realise visions“

One of the key factors for a successful business is a clear vision of the future.

Every business needs to concretise its own demands, identify and implement its strengths as well as recognise possible opportunities in order to secure a goal-oriented and well-structured future.

Logistics are in transition, with accelerating trends and challenges. Competition is increasing as the market becomes more and more transparent and continuously demands improvements. Global development means that customers have rising expectations. Logistics need to be transparent, reliable and efficient if it is to meet all these demands and make a significant contribution to the customer's business success in the long term. In this way, the ideal requirements for sustainable competition advantages can be created.

When it comes to logistics, a reliable partner who not only understands your goals but also the various processes within your business is vital for your success. Our product and service expertise in these complex settings guarantee custom-made and efficient solutions.

SSI SCHÄFER impresses with creativity, experience and long-term expertise in the logistics sector. Our innovation and comprehensive range of solutions smooth the way for a successful future of our partners. The result is an optimised logistics solution to master the growing challenges of global markets. We realise visions!



# WAMAS<sup>®</sup> – the synonym for Warehouse Management System

Cut right to the chase: WAMAS controls and optimises logistics. Our core principles are to:

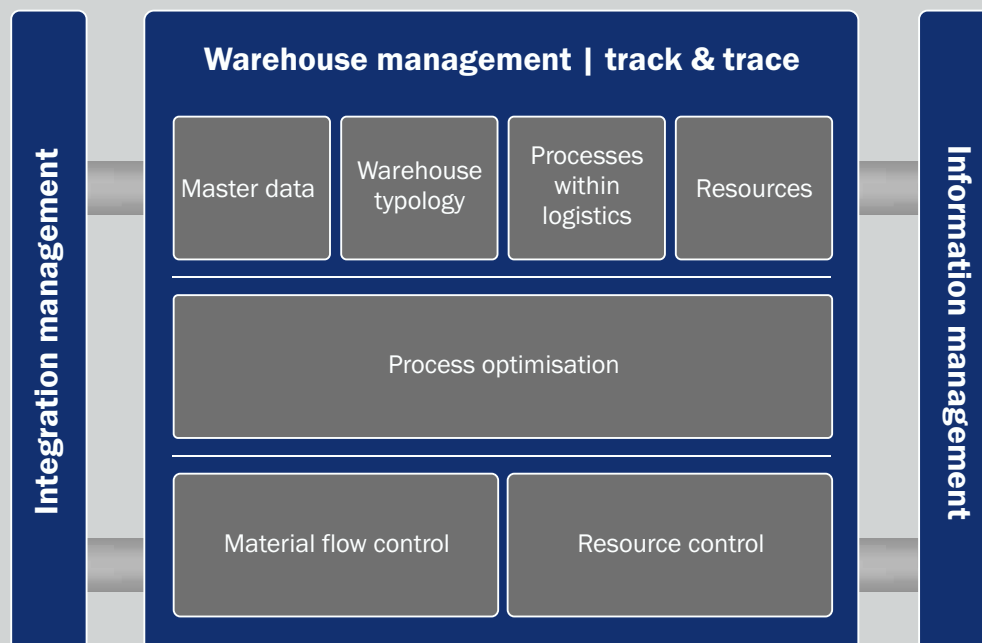
- Perfectly meet the customer's logistics demands
- Provide a wide range of services ranging from warehouse management to goods tracking
- Create a flexible, continuous and efficient flow of goods and information
- Implement transparent monitoring and control systems

The logistics market is one of the fastest growing and changing markets, characterised by constantly increasing demands of the supply-chain participants. WAMAS needs to be continuously advanced and updated in order to remain a state-of-the-art product. A market-oriented product management and development are essential for this. Due to the newest innovations and upgrades of our software as well as the great WAMAS release management, not only new installation projects, but also already existing customers profit from the most recent WAMAS version.

The technological and functional strength of WAMAS becomes especially apparent in the integration of the most varied warehouse and order-picking facilities – including combinations of automated and manual warehouse and order-picking systems – within one single system.

The WAMAS technology allows you to optimise flows of goods and resource management of various processes and departments in different warehouse zones. A great deal of flexibility is required for this optimisation.

A wide range of customising possibilities enables you to configure ideal processes and meet the demands of your business.



# WAMAS<sup>®</sup> – the integrated solution

WAMAS is a state-of-the-art warehouse management system developed specifically for the supply chain and logistics industries. Improving your efficiency, productivity and profitability, our warehouse management system optimises logistics and provides a wide range of functions and customising possibilities. The WAMAS package is the right choice for:

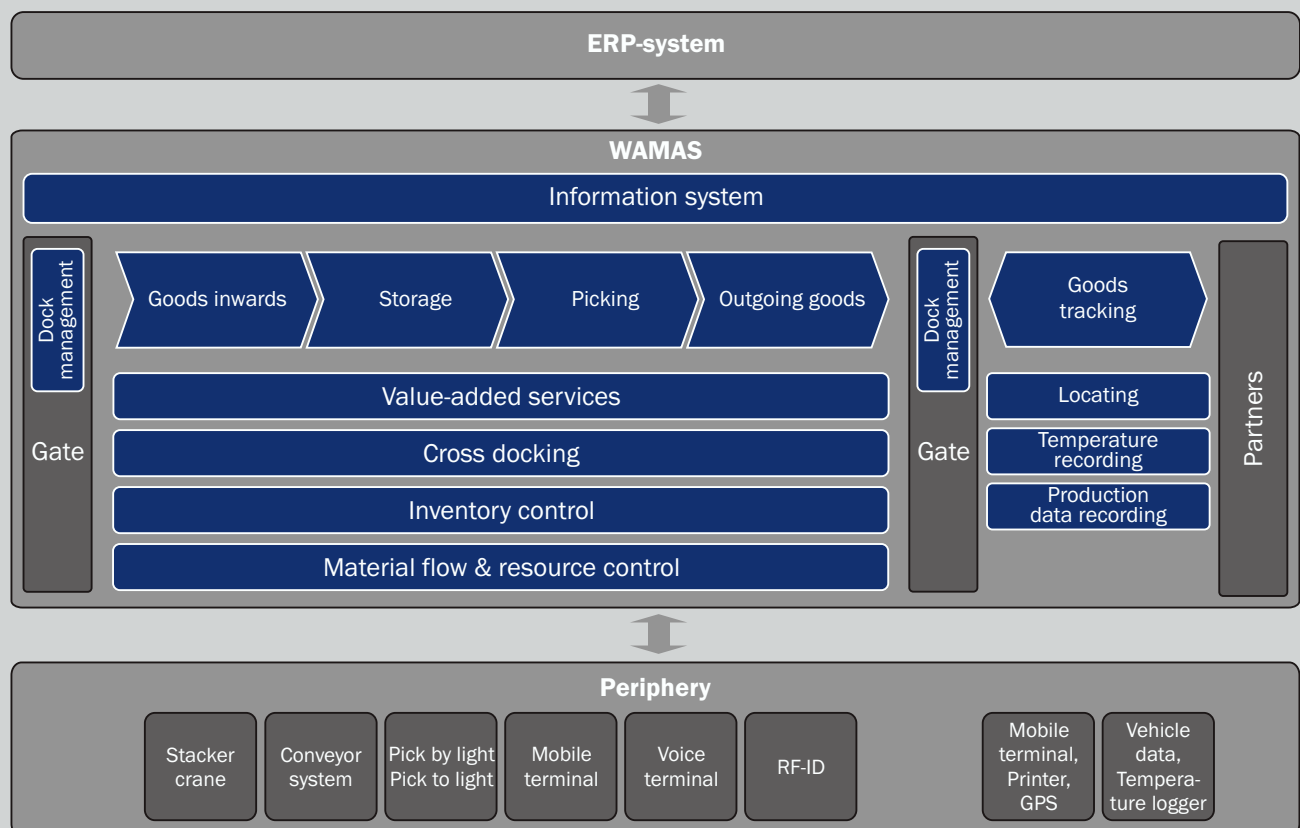
- Specific controlling and optimisation of all processes within the warehouse
- Administration and inventory control of all goods in stock
- Goods tracking from the dispatcher to the recipient
- Integrated and continuous control of manual and automated systems
- Analysis and evaluation for the implementation of medium- and long-term optimisation measures

## Modularity and simultaneous standardisation are the keys to flexibility

WAMAS represents a uniform and modular control concept with a logical structure. This makes it easier to implement modules – from the comprehensive range of services – that best fit the requirements. The way and the extent to which the various modules are implemented depends on your specific needs.

WAMAS can for instance control manual as well as partially or fully automated logistics systems within one application.

Due to the WAMAS specific structure, the integration in your entire IT and/or logistics system can be technically and functionally guaranteed on various levels.



# Manual systems: „A good grip on everything“

The main goal within manual logistics systems is simple and clear:  
cost reduction

This however requires total concentration on certain core processes. Our contribution consists in the adherence to one simple, but very effective rule:

„Eliminate or automate activities that don't bring any efficient or economic returns.“

WAMAS assumes the control of all operational processes and comprehensibly leads the employee through continuous processes in real time. For your employees this means that they can fully concentrate on their job. WAMAS takes on or even – if possible – automates all administrative tasks.

Improving your efficiency, WAMAS also increases the quality of logistics performance in a sustainable way. Due to the ergonomic and intuitive user guidance, the system creates a higher operating safety and minimises the training effort for new employees.

Manual systems above all involve a lot of dynamic procedures. Control systems for processes, resources and inventory are therefore indispensable.

WAMAS allows the control centre to assess the current situation and react in good time so that necessary steps can be taken. On top of that, WAMAS offers long-term analyses of resources, utilisation and other key figures, which help to identify structural measures needed to achieve sustainable improvements.



## Your benefit

- User friendly and ergonomic
- Efficient arrangement of operational processes
- Maximum delivery quality and capacity
- Reduction of error sources and training times
- Transparent monitoring as well as extensive control instruments
- Fast interventions when it comes to bottlenecks or technical defects
- A platform for long term and sustainable optimisation

## Automatic systems: „In the flow“

WAMAS includes a module for the control and optimisation of internal material flow in heterogeneous and fully automated warehouse systems. This module assumes all tasks, including PLC control, with efficient components being controlled by SSI SCHÄFER or 3PLs.

The wide spectrum of products ranges from conveyor systems, stacker cranes, SCHÄFER Carousel system (SCS) to sorting systems, depalletisers, palletisers as well as our specific solutions for automatic picking, such as SCHÄFER Case Picking (SCP) and the highly efficient MERCURY consolidation buffer.

WAMAS consolidates all automated parts within one logistics system in order to control and optimise all material flows continuously. This integrated visualisation allows a quick overview of the material flow and the status of the various system components, which increases the operational availability of the entire system.



SSI SCHÄFER provides a comprehensive array of products ranging from an entire automation technology including PLC control, mechanical components to turnkey systems.

The growing number of our customers also involves a change in logistics system requirements, especially when it comes to capacity, performance and handling. WAMAS allows an easy start-up as well as permanent system upgrades in order to meet the modified requirements.

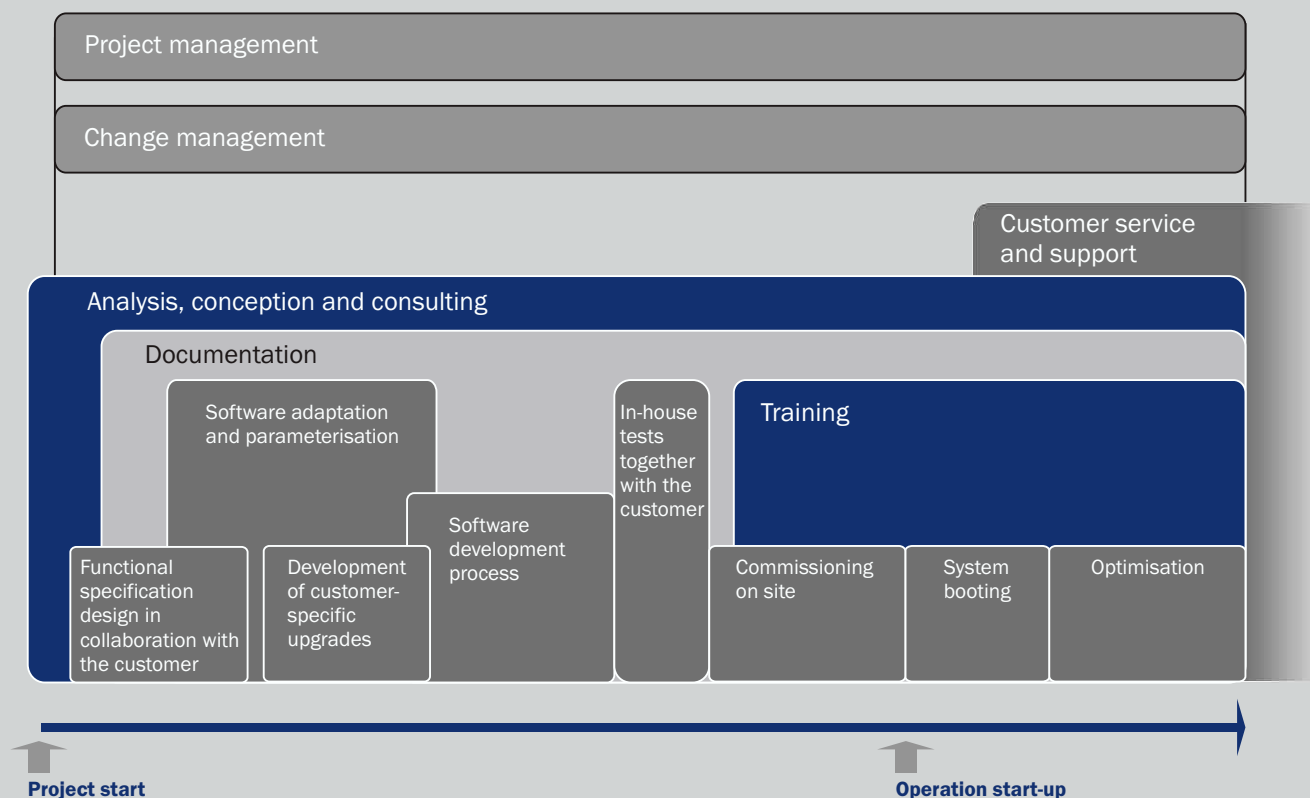
# Implementation procedure: The key to success

With more than 350 installations in the broadest range of industries, WAMAS is THE logistics software. SSI SCHÄFER provides implementation methods at the most diverse levels of complexity.

However, the software is not the only component that is crucial for a successful and efficient implementation. SSI SCHÄFER therefore focuses on the customer's needs and business processes, and this understanding creates the essential basis for an effective project result. Our analytic and logistical know-how helps us identify your problems in order to develop the ideal solution for your business.

Each player can be great, but it is the combined teamwork that makes the difference when the game begins. The implementation of logistics systems involves teamwork between the most varied characters and cultures. The quality of collaboration as well as the mutual understanding for each other is crucial for a smooth project implementation and the key to success. SSI SCHÄFER stresses the need for employees who not only provide a great deal of technical knowledge but also have great social and emotional skills.

WAMAS offers THE implementation method! As a reliable and goal-oriented partner, SSI SCHÄFER provides its customers with WAMAS processes that best fit the complexity of your logistics.



# Future safety: Investment protection

SSI SCHÄFER is THE global leader when it comes to complete logistics solutions. Thanks to this position in the world market, we can provide our customers with long-term investment protection and establish a basis for continuous development of logistics solutions and software. Together with our customers and partners we create new trends in logistics.

## Increase logistics performance

The Project Management and Product Development departments work closely together in order to lay the foundations for a market-oriented advancement of our WAMAS software.

We are proud of the long-term, strategic relationships we have built with all our customers, who strongly profit from the WAMAS software upgrades within logistics and from the most recent software technologies. Despite continuous modifications and optimisations of our customers' business processes, we can guarantee a long-term system implementation.

## Release management despite individuality

Standardisation achieves greater efficiency increases. On the other hand a strong customer loyalty is frequently a result of a strong differentiation from the competition. Our release concept combines these two very contrasting requirements.

A continuous application of the layer model allows the separation between the core products of individual adaptations and creates the essential prerequisites for successful release dates. Scheduled release dates offer the possibility of designable, functional and technical enhancements which can be used for existing customers as well as for new projects.

### Your benefit:

- High investments by SSI SCHÄFER in innovations and advancements
- Continuous development of WAMAS software
- Long-term maintainability of your system
- Availability of state-of-the-art technologies



# Customer Service and Support

Great system availability and short reaction times are crucial for a successful logistics-system operation.

The global SSI SCHÄFER Support Network provides support and expertise on site!

Our portfolio of services allows us to truly and fully meet your individual demands and to support your system. We provide a great deal of support services, ranging from software support to maintenance of a fully automated logistics system.

We provide professional software support. 24 hours a day, 7 days a week!

## SSI SCHÄFER HOTLINE – Support around the clock!



## Your benefit:

- Safety and availability of your logistics system
- Custom-made service packages up to 24 hours a day, 7 days a week
- Guaranteed reaction times
- Support on site

# References

SSI SCHÄFER is a global leader in the automation technology business – ranging from trade, industry to logistics. Widely respected for its innovative and efficient approach, the company delivers streamlined, cost-effective solutions, tailored to match the special logistics requirements of an impressive list of major clients.

SSI SCHÄFER is recognised by its customers for its wide-ranging know-how and expertise. As a leading global logistics company, we provide implementations of logistics solutions – from manual to automated – for a wide range of businesses – from medium sized companies to multinational enterprises. As your long-term partner we provide you with individual support and custom-made solutions for your system.

Take advantage of our staff's experience! They know exactly how to identify your demands and help you realise an ideal and complete logistics solution.

SSI SCHÄFER – we are there for you ...



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