



WAMAS®

WAMAS® LOGISTICS SOFTWARE

Efficient. Flexible. Reliable.



SSI SCHAEFER Automation: „Think Global – Act Local”

Market leader

SSI Schaefer is the global market leader in the automation technology industry, particularly when it comes to the design, conception and realisation of projects for efficient intralogistics. We provide individual, custom-made logistic solutions out of a wide range of products, which are based on standard components. Our services cover the entire portfolio ranging from software to mechanical and steel construction components.

Investment security

We ensure the sustained efficiency, optimisation and profitability of our customers' specific business processes. Flexibility and a basis for versatile, cutting-edge solutions are ensured by defined interfaces in the widest variety of systems, from manual warehouse systems to complex, fully-automated picking systems.

Complete service provider

We are your partner when it comes to finding and implementing customised solutions and providing logistics processes that ensure long-term success for your company. The basis for this is our logistics know-how and our knowledge of special requirements in different sectors. Our software products are continuously adapted by our own product development experts or SAP in order to provide solutions for the constantly growing customer and market requirements.

Lifetime partnership

Our subsidiaries all over the world not only provide solutions for individual customer warehouses at a regional level, but also deliver supply chain solutions worldwide to multinational companies. This is what allows us to stand by our customers and to support corporate growth in the long run.

„Visions become reality”

A clear vision of what a company wants to achieve and represent in the future is vital for its success.

In order to be able to operate in a goal-oriented and well-structured way, it is essential to specify the demands on a company, to employ its existing strengths, and also to recognise and seize opportunities.

Logistics are in transition: global players, a high degree of market transparency and the steadily increasing customer requirements are all factors that pose a major challenge to the logistics industry of tomorrow. Only transparent, reliable and highly efficient processes are conducive to long-term business success and create the ideal prerequisites for establishing sustainable competitive advantages.

The key to success is a reliable partner who not only understands your goals but also the various processes within your business; a partner who by offering a great range of services can guarantee customised and cost-efficient solutions through their expertise.

We increase your efficiency by applying our creativity, experience and long-standing expertise in the logistics sector and combining it with an innovative and comprehensive range of solutions. This is why we are able to achieve extraordinary results that meet our customers' challenges of today and those of the future.

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We make visions a reality!

WE INCREASE YOUR EFFICIENCY!

ENERGY

WAREHOUSING

PERSONNEL

TIME MANAGEMENT

WAMAS® logistics software from SSI SCHAEFER

WAMAS offers:

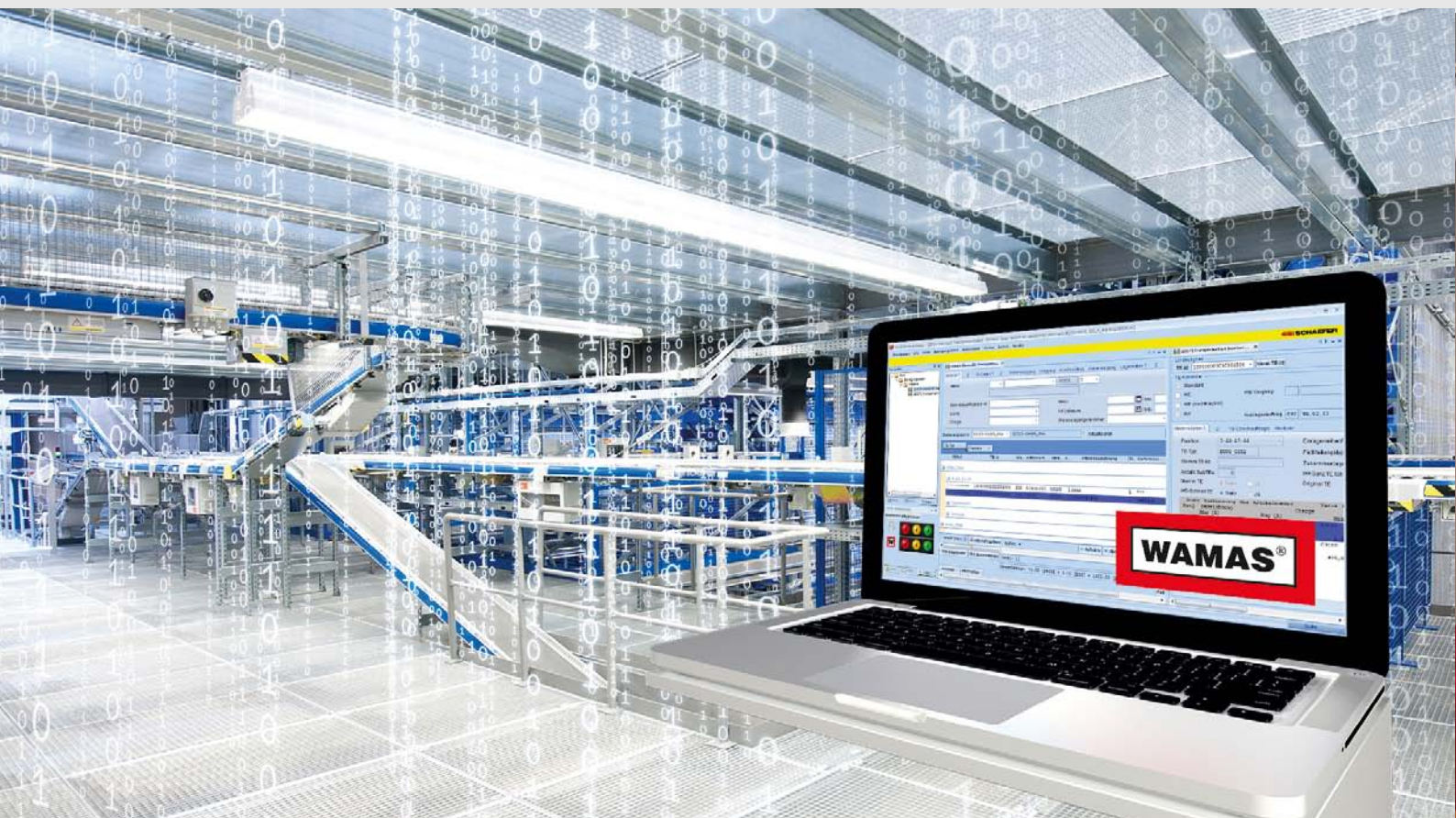
- A product solution with standardised processes
- A choice of solution ranging from a manual to a highly dynamic automated warehouse
- Extensive monitoring and control functions
- Standard interfaces to the broadest range of ERP systems
- A vast portfolio of supported automation components
- Customisation of the processes to your requirements

Using WAMAS – THE logistics software – SSI Schaefer designs you a more efficient warehouse, from warehouse management and right through to the control system, regardless of whether a manual or highly complex automated logistics system is concerned.

In addition to highly advanced processes, WAMAS is the perfect answer to all logistics demands, providing a comprehensive portfolio of features ranging from warehouse management to transparent monitoring and control functions, as well as interfaces to the broadest range of ERP systems.

The functionalities of the WAMAS logistics software are not confined to storing and administering goods: WAMAS manages and controls all of the processes involved in intralogistics. Executing jobs efficiently and flexibly, optimising goods movements and resources, and providing and analysing logistics KPIs are only a few of the functionalities offered by the extensive WAMAS portfolio.

WAMAS. Logistics software. Worldwide.



Using our experience for your success

Being the best and not just among the best is the goal of SSI Schaefer. With this claim we are securing the future of our logistics software. In order to achieve our aim, we use experience gained from our global customer projects to continuously improve WAMAS.

Our customers can rest assured that they will always have state-of-the-art technologies and logistics at their fingertips. New functionalities are delivered in the form of regular releases thanks to the continuous development of the WAMAS logistics software. This allows us to give you our guarantee of:

- Constant availability
- Low maintenance costs
- Sustained savings
- High investment security

SSI Schaefer. Security. Worldwide.

The WAMAS product philosophy:

- Logistics is shaped by the varied and ever-changing requirements in the supply chain.
- Our market-oriented product strategy ensures the sustained refinement of WAMAS.
- Our aim is to generate additional benefits for our customers through innovation.



WAMAS® – more than just logistics software

Control. Central.

Product. pioneering.

Key performance indicators. Instantly.

Warehouse processes. Efficient.

Goods flow. Dynamic.

Operation. Reliable.

Ergonomics. Optimised.

Software. Proven.

Stock. Secure.

Order processing. Transparent.



Everything from

Intralogistics. Global leader.

Solution. Scalable.

Automated. Integrated.

Process configuration. Flexible.

Technology. Future-proof.

Monitoring. At all times.

Complexity. Controllable.

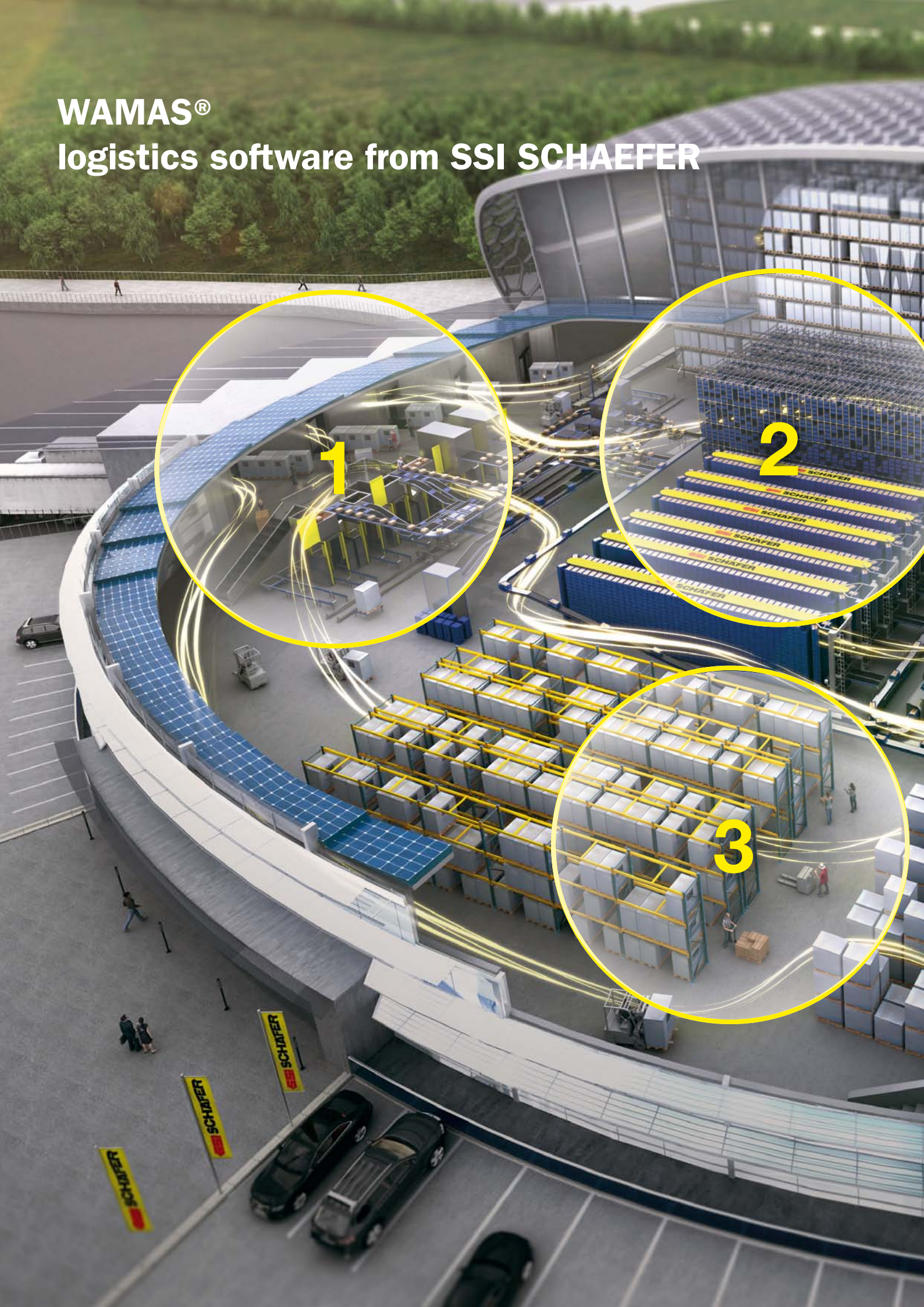
People. Focussed.

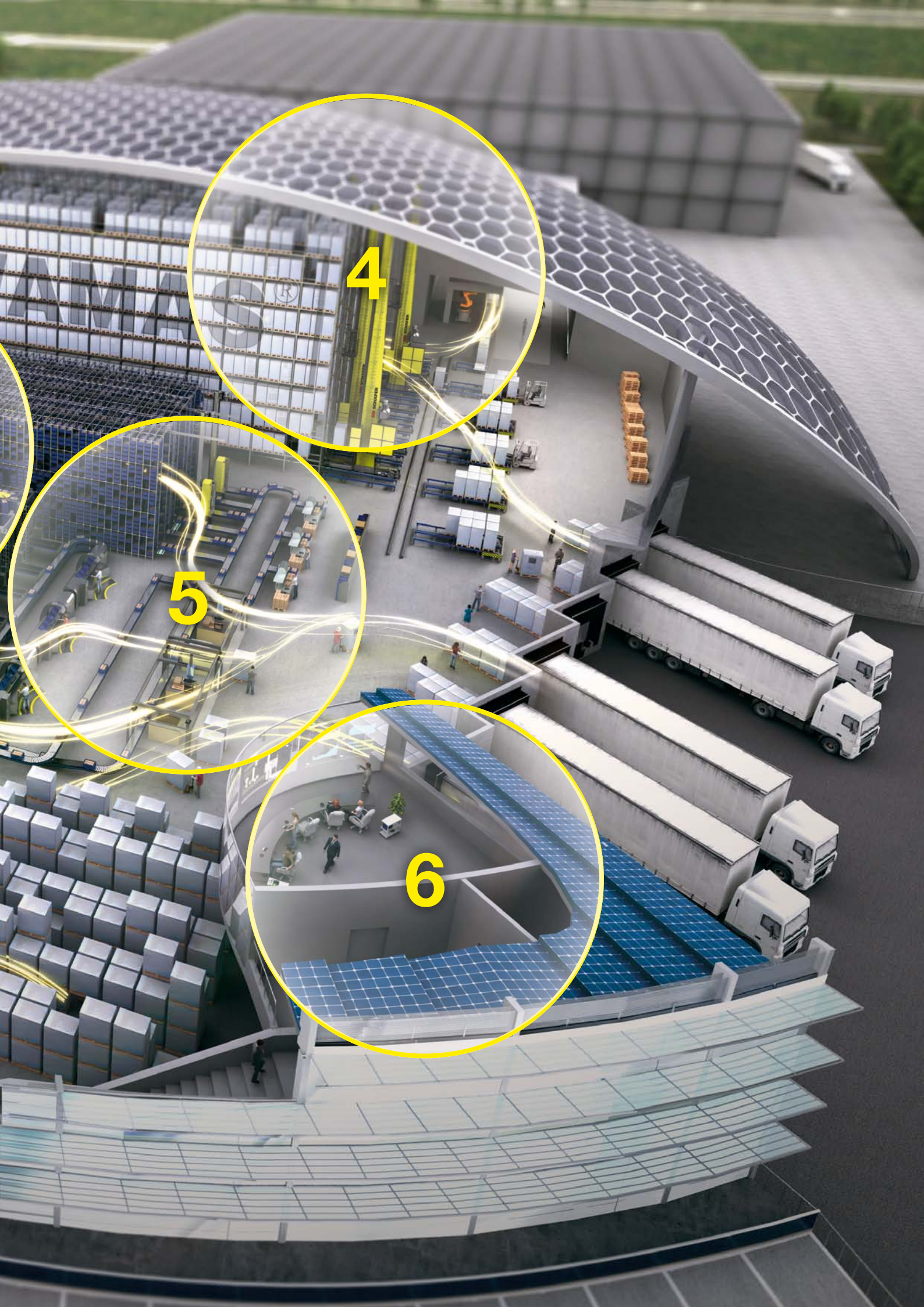
Service. Worldwide.

single source



WAMAS® logistics software from SSI SCHAEFER





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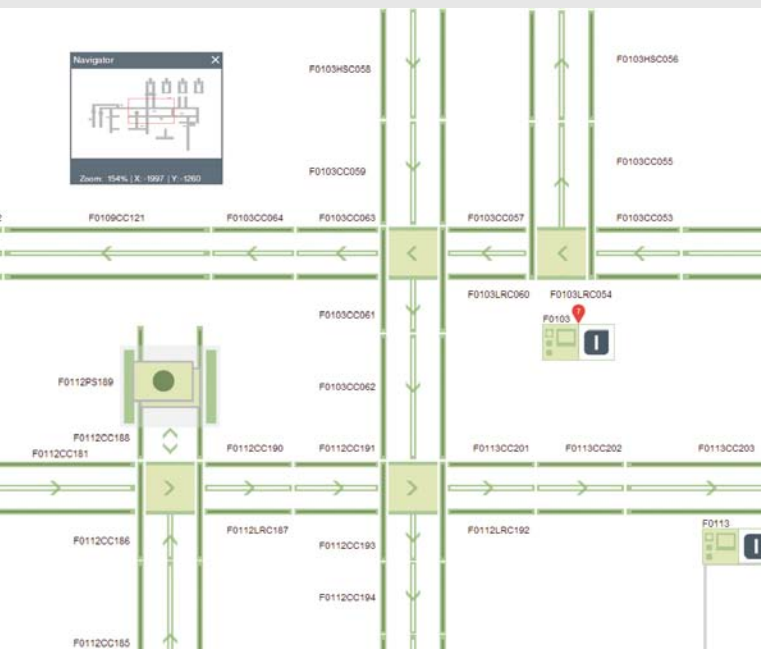


1: Accepting goods

WAMAS signifies speed and quality right from the goods-in stage, irrespective of whether the process is manual or automated. This is the point at which the foundations for efficient and high-quality handling of goods are laid.

WAMAS goods-in:

- Gate administration
- Goods receiving
- Master data checking
- Quality control
- Supplier assessment
- Repacking



2: Transport

WAMAS controls and optimises the entire internal goods flow. In automated warehouse systems, WAMAS assumes all responsibilities, including PLC control.

WAMAS transport:

- WMS and MFS in a single system
- Non-stop goods flow
- Integration of manual transport devices
- Stacker control system
- Bin and pallet conveying system
- Stacker cranes
- Automated warehouse technology



3: Manual storage processes

WAMAS assumes the control of all operational processes and guides employees through the processes in an easy to understand manner and in real time, leaving them time to focus on other added-value activities.

WAMAS for manual warehouses:

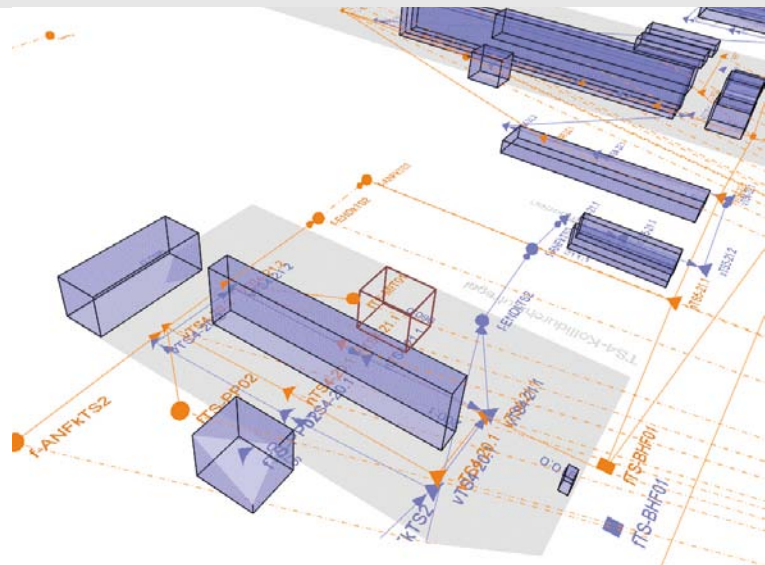
- Mobile terminals
- Voice terminals
- Paperless picking and transport
- Stocktaking during running operation
- Value added services

4: Storage

WAMAS ensures optimum utilisation of storage capacities, taking into account the varied influence factors in the warehouse.

WAMAS storage:

- 3D warehouse model
- Pre-defined storage location types
- Configurable storage strategies
- Client and multi-storage capability
- ABC analysis
- Replenishment control with or without threshold values as required



5: Picking and goods-out

WAMAS provides the highest goods throughput combined with the best possible utilisation of storage capacities. This ensures that goods are supplied on time.

WAMAS picking and goods-out:

- One- and two-stage picking
- Multi-customer picking
- High-performance picking
- Automated picking systems
- Set creation
- Cross Docking
- Packing
- Rule-based cargo creation
- Quality control in the goods-out process
- Guided HGV loading

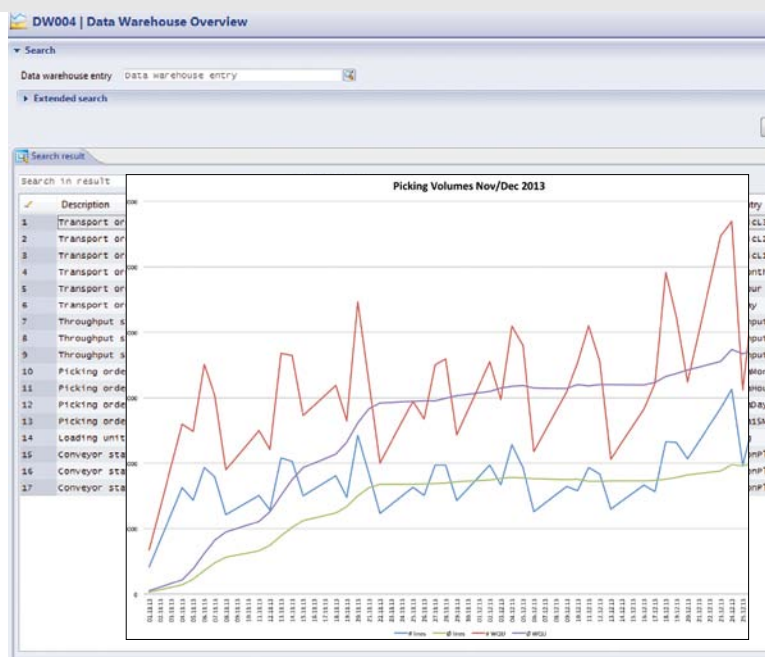


6: Control centre and information system

WAMAS coordinates complex warehouse processes and combines all the important information in the control centre. Efficient warehouse operation is ensured by clear management and continuous control instruments for processes, resources and stocks.

WAMAS information system and control centre:

- Order planning
- Resource and capacity planning
- Control of order processing through the entire process chain
- Performance analysis statistics
- Integrated visualisation
- System monitoring
- Key performance indicators and reports



WAMAS® – exceptional by default



Degree of automation

Automated



WAMAS – automation on a large scale

ES3 LLC, Pennsylvania (USA)

Increase in the degree of automation at the distribution centre in York

Schaefer Case Picking (SCP) system
36-aisle tray warehouse (Schaefer Tray System)
Depalletising and palletising robots
Throughput of 100,000 goods cases a day



range of warehouse solutions

WAMAS – dynamic picking systems

Federació Farmacèutica, Spain

Modern pharmaceutical distribution warehouse

4 km conveyor system processing 50,000 bins a day
Automated small-parts warehouse
Schaefer Carousel System (SCS)
Pick to Tote workstation (1,000 picks/hour)
120,000 order lines a day
Outbound deliveries of 250,000 pieces a day



References – a small excerpt



beeline
group

 **blum**[®]

Budweiser
Budvar

Carlsberg
Danmark

d'arbo
Naturreine

Esmaltec
ELETRODOMÉSTICOS


EXPRESS-INTERFRACHT
Internationale Spedition AG

FESTO

 **FRESENIUS
KABI**

GEROLSTEINER


globus

hago
Feinwerktechnik

 **HANDL**
Tyrol

HÄNSELER AG
Partnership to success 

Kelly's

 **Kempf**
GETRÄNKE

 **KRAFT**

XXXLutz

maico

MANOR[®]

MIGROS

pistor

 **QVC**

 **RAUCH**

 **Schärdinger**

 **Sölen**

 **Unilever**

 **verival**
BIO

Walgreens
AT THE CORNER OF **HAPPY & HEALTHY**[®]

 **Witt-Gruppe**
A member of the otto group

oop
SALUS
gual[®]

