

# viad@t

The Efficient Warehouse Management System



# viastore systems

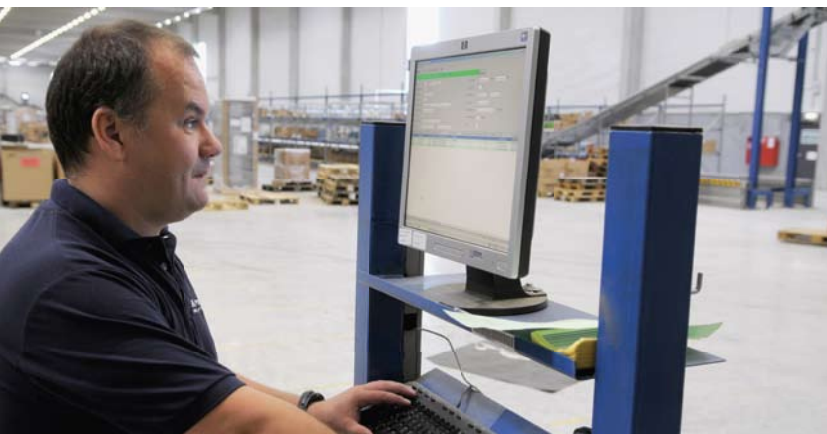
## Your WMS Partner

- New installations
- Modernization
- Consultation and planning
- Order picking systems
- Storage/retrieval machines
- WMS viad@t
- SAP Special Expertise Partner  
SCE (LES and EWM)
- Services, hotline, original parts

**viastore is among the world-wide leading suppliers of turnkey intralogistics facilities for trade and industry.** These facilities include order picking systems, automated storage/retrieval systems and mini-load systems as well as entire distribution and logistics centers.

We provide consulting, we design and build new installations and we modernize existing warehouses supplied by other manufacturers and adapt them to state-of-the-art technologies and new processes. Our viaspeed, viapal and viasprint storage/retrieval machines ensure speedy and flexible warehouse logistics. Our competent 24/7 hotline, comprehensive service and reliable spare parts logistics round off our range of offer.

Our integrated software architecture plays a vital role in creating efficient and transparent intralogistic systems – from our viad@t warehouse management software that is equally suited to automated or conventional systems, our material flow system all the way through to our process control solutions. Moreover, we are an SAP Special Expertise Partner Supply Chain Execution (LES and EWM).



**viad@t consists of a basic package with functions that can be turned on or off, depending on your specific demands, system type and performance requirements.** This makes the WMS equally suitable for complex systems with high performance capacity, automated warehouses with low to medium turnover rates or conventional warehouse areas and logistics centers. viad@t is a highly flexible warehouse management system that will adapt through the years to the growth of your business, changing demands and new processes.





# viad@t

## Your Standard WMS for Any and Every Warehouse Type

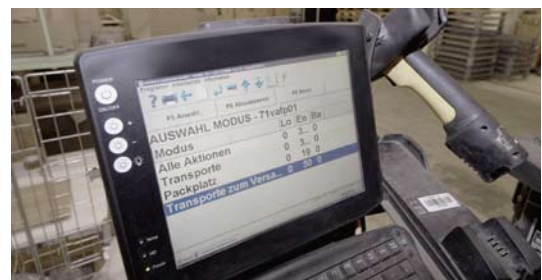


**viad@t is a modern, efficient, well-proven and future-proof standard software for managing and controlling your entire intralogistic system whatever the type: material flow and order picking systems, conventional and automated warehouses, distribution and logistics centers.** viad@t is the perfect solution whether yours is a small facility with a low turnover or a huge distribution center with several thousand order lines a day, whether you use highly automated systems or conventional manually operated or forklift served facilities. viad@t is multilingual and works independent of databases, operating systems and hardware. Based on 40 years of intralogistic experience, viad@t is a stable product that can be easily configured and upgraded.

Development of viad@t has been certified in compliance with ISO 9001 and IFS (International Food Standard), the product itself is validated according to GAMP. User guidance is simple and intuitive so that your staff can work quickly and efficiently. Moreover, the software is precisely documented for users and administrators both in the manual and via the online help function.

### Why viad@t?

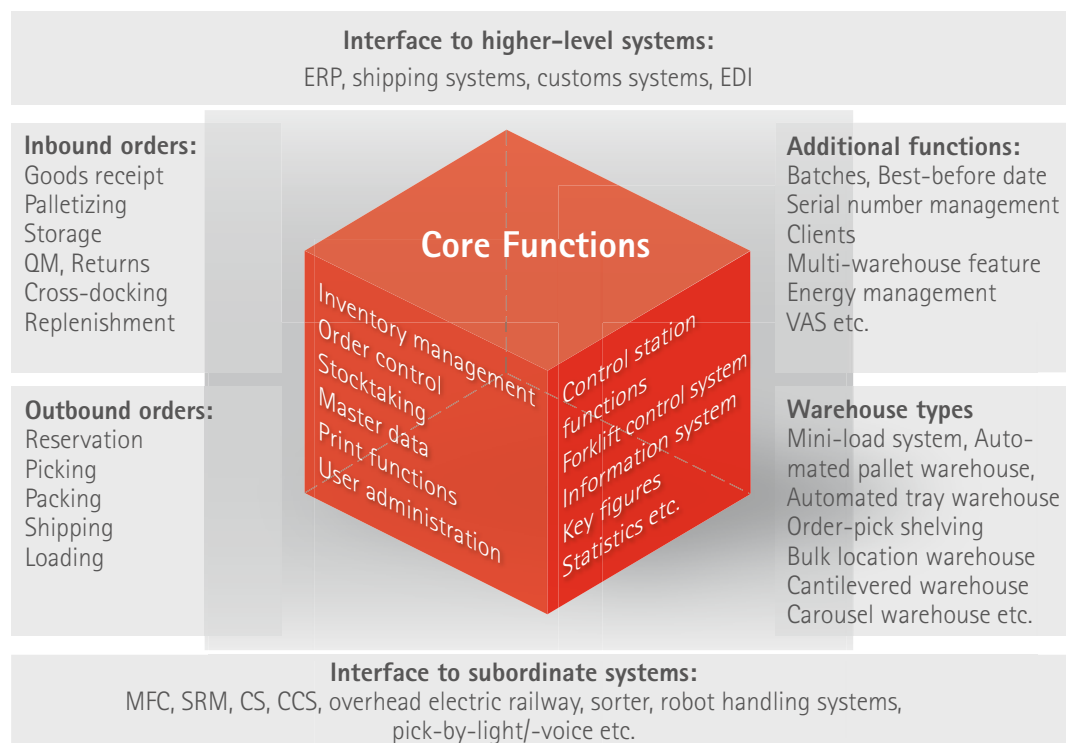
- Extensively tested, stable standard product with wide scope of functions
- Quick and low-risk start-up
- Speedy, cost-effective and secure individual adaptation thanks to modular structure
- Supports state-of-the-art technologies such as RFID, browsers etc.
- Continuous further development
- Multilingual
- Release independent – continued support for all releases
- No annual license fees



#### viad@t: Software for the Entire Intralogistic System

- viad@tWMS – the efficient warehouse management system for conventional and automated warehouses as well as for distribution centers of all turnover volumes
- viad@tONE – the pre-configured WMS including material flow system for less complex warehouses and distribution centers
- viad@tCLM – the intelligent system for the allocation and management of storage locations for load units in automated warehouses run under ERP or under a third-party WMS
- viad@tRFM – the efficient warehouse management system for conventional and forklift served warehouses and distribution centers
- viad@tMFC – the intelligent material flow system
- viad@tVISU – system visualization for a higher level of transparency and quicker access to goods
- viad@tCCS – the efficient conveyor control system
- viad@tSRM – the modern storage/retrieval machine control with supreme service level
- viad@tSORT – the high volume conveyor sortation control system

#### viad@t: Functions and Fields of Application



**During commissioning our experts will provide support until your warehouse staff feels confident with the system on their own.**

The viad@tACADEMY offers various concepts for training your operators. And if you still need help, our experienced hotline engineers will be happy to assist you. If necessary, they can gain remote access to your system – 24 hours a day, 365 days a year.

The viad@t spectrum ranges from software for conventional or forklift served warehouses and the preconfigured viad@tONE for less complex automated warehouses to individually customized solutions for complex high-performance order picking facilities that often integrate automated and manual areas. viad@t supports all conceivable picking principles. Whether used in a conventional warehouse or in an automated facility: The fully dynamic viad@t selects the right warehouse location for your fast movers and slow movers and thus ensures an optimal inventory structure. Inbound and relocation optimization is inclusive.

The solutions chosen depend on your specific demands and you can rest assured that they will be the ones best suited for you. A user-dependent language output supports the operators and ensures that you can use viad@t at all your locations worldwide. In any case, the software will evolve together with your company, your processes and your requirements – upgrades and adaptations can be implemented at all times. This ensures optimal Total Cost of Ownership and a fast ROI.

A future-proof solution offering long-term investment security.





**ORACLE** PARTNER

**Microsoft**  
CERTIFIED  
Partner

**SAP** Certified  
Integration with SAP Applications

# viad@tWMS

## For High-Performance Logistic Centers



**When a large portion of the processes within a warehouse or distribution center take place automatically, it is highly demanding on the warehouse management system.** All processes are pre-calculated intelligently so that they can interlock smoothly and without loss of time. Nevertheless, there must be room for flexibility so that urgent orders can be squeezed in and processed quickly and reliably – independent of the various picking types that are in place in a logistic center.

The efficient viad@tWMS software package is fully scalable – both with regard to function and performance. It uses the best strategy for every single process. The order data of the higher-level systems are stored in databases and processed according to optimized strategies. Your operators have real time access to all the information.

**The operation and control of viad@tWMS is precisely matched to the specific warehouse procedures.** A single scan process or a push of a button is sufficient to trigger the subsequent processing steps. viad@t contains all the modules required for controlling storage/

The functional scope of viad@tWMS covers the following picking principles as standard:

- Goods-to-man
- Man-to-goods
- Pick-to-light
- Pick-by-light
- Pick-by-voice
- HPPS (High Performance Picking System)
- viapick (fully automatic order picking system)



**HPPS**

The HPPS (High Performance Picking System) is a new technique for highly efficient pick-pack order picking. Its special feature: Flexible, dynamic and fully automated supply and disposal of goods takes place in the background; the goods are picked by the operator without documents via pick-by-light or pick-by-voice.

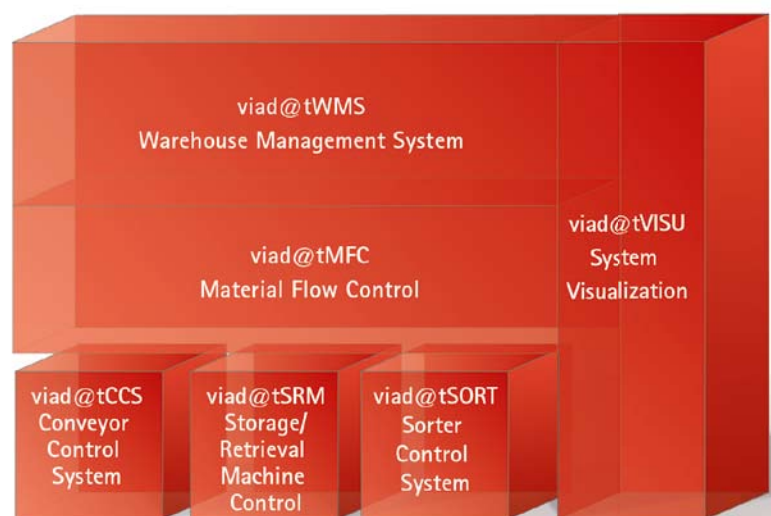
**viapick**

The fully automated viapick robot order picking solution retrieves recognizable, well-arranged and stackable products of totally different sizes and geometrical shapes. Just like a human order picker, the system is able to take goods out of conventional storage containers and place them into any optional container. Heavy or bulky products can also be handled without any problems.

retrieval machines, the conveyor system and other mechanical components. Moreover, it handles the control and visualization of the complex material flow systems.

In addition, viad@t can be coupled with third-party products – such as special haulers', customs or shipping software. The system also allows for the tracking of batches in compliance with EU directive 178/2002.

**viad@tWMS does not depend on a specific operating system, but runs on all common UNIX and Windows platforms.** All leading data storage systems such as ORACLE, SQL-Server or DB2 can be used. Modern client-server architecture enables the distribution of applications and databases to different computers within the network. viad@t supports several parallel host systems as well as several clients – with fully separated inventories.

**Modular Principle – Integrated System**

# viad@tONE

## The Pre-Configured WMS for Automated Facilities of Low Complexity



### viad@tONE

- No additional material flow system required; i. e. elimination of one software level
- Low costs
- Rapid introduction
- Easily extendable

**With viad@tONE, we offer you complete software for less complex automated warehouses.** The pre-configured software package includes the most important and basic functions for warehouse management, material flow control and system visualization. Based on the same core software as viad@tWMS, it is easily extendable and can be customized to match your specific requirements. Further benefits of viad@tONE: low initial cost and short term implementation.

### Functions

Inventory management as well as storage and retrieval procedures must function smoothly in a warehouse. Only in this way can an economic operation be ensured. So it goes without saying that these basic functions are included in the viad@tONE standard version. Performance and capacity of the individual system components are optimally utilized. For example, by means of multiple deep storage, or by using storage/retrieval machines with various different load handling devices.

### Special Features

In addition to pure inbound and outbound processes, viad@tONE offers numerous options for controlling and optimizing warehouse operations: Stocktaking, recording of stock differences, system control, system administration and user management – all these functions are included in viad@tONE. Thanks to various dialogs, the control station operator always has a detailed overview of the order processing progress. Stock alterations are immediately archived and can be evaluated via statistics dialogs.

### Options

Interfacing with SAP and other host systems, administration of radio-controlled and paper-managed warehouses, batch management, client capability, the management of customer specific, special stocks and replenishment control are available as extension options.

### The Right Solution for Managing the Automated Part of Your Facility under an Existing WMS



**The subsequent integration of an automated storage area into your logistics center can be quite challenging for your existing WMS.** After all, many systems that are already in use do not feature this "automated warehouse" function.

viad@tCLM (container location management) is the solution for such cases. Coupled to the existing WMS or ERP, viad@t focuses on the allocation and management of storage locations as well as on travel strategies for the load units in the automated area of your logistics center. Storage is via an automatic

I-point with scanner and profile measuring equipment.

The management of individual stock items and allocations on the load units as well as workplace dialogs such as inventory recording, order picking, etc. are mapped in the ERP system or the existing WMS. Therefore this compact solution is especially suitable for automated buffer areas or sorters, where the main emphasis is on the quick and simple storage and retrieval of complete containers.

## viad@tRFM

### High Efficiency in Managing Conventional and Forklift Served Warehouses and Logistics Centers



**viad@tRFM (Radio Frequency Management)** is the efficient, pre-configured standard software for your radio-controlled manual or forklift served warehouse and logistic center. The software can also be extended to the full scope of **viad@t** without a problem.

If you would like to automate your warehouse or even just individual storage areas, you can activate the corresponding functional modules at any time. Moreover, **viad@tRFM** is also suited when it comes to combining different warehouse types. No matter whether you operate throughput, bulk storage, manual or pedestrian warehouses, cantilever racking, shelving, multi-story or stacker systems – **viad@t** ensures smooth processes everywhere.

#### Your benefits

- Simulation of order throughput/personnel resource planning
- Dialog-supported configuration of warehouse equipment (shelves, storage zones etc.)
- Dialog-supported configuration of forklift control system (routes, permitted zones, permitted loads – also height-dependent etc.)
- Calculation of incentive wages
- Determination of standard times for warehouse activities/extended statistics
- Monitoring of order picking times etc.
- Multi-warehouse feature
- Full cross-docking functionality

	viad@tWMS	viad@tONE	viad@tCLM	viad@tRFM
Host interface	✓	✓	✓	✓
Statistics	✓	✓	✓	✓
System/user management	✓	✓	✓	✓
Order management	✓	✓	✓	✓
Stock management	✓	✓	■	✓
Work station dialog	✓	✓	■	✓
Client	✓	■	■	✓
Batch administration	✓	■	■	✓
Best-before date	✓	■	■	■
Replenishment control	✓	■	■	✓
Automated warehouse	✓	✓	✓	■
Radio-controlled warehouse	✓	■	■	✓
Paper-managed warehouse	✓	■	■	✓
Pick-by-light/Pick-by-voice	✓	■	■	✓
Forklift control system	✓	■	■	✓
Packing/shipping	✓	■	■	✓
QM	✓	■	■	■
Serial number	✓	■	■	■
Date codes	✓	■	■	■
Cross-docking	✓	■	■	✓
Value added services	✓	■	■	■
Returns	✓	■	■	■
Stocktaking	✓	✓	✓	✓
Integrated MFC	✓	✓	✓	■
Visualization	✓	■	■	■
Hazardous goods	✓	■	■	✓
Integrated label designer	✓	✓	✓	✓
Inbound/relocation optimization with multiple deep warehouses	✓	✓	✓	■
Multilingual	✓	✓	✓	✓
Picking route optimization	✓	■	■	✓
Energy management	✓	✓	✓	■
ABC class administration/reorganization	✓	✓	■	✓

✓ = included in standard pre-configuration ■ = can be extended by this function module

# viad@tACADEMY

## Software Training for Your Staff

**viad@t offers a wide range of functions for effective warehouse management.** To ensure the efficient use of these functions, we offer a uniquely designed hands-on training concept that will help you attain your goals quickly and painlessly.

### Introduction to viad@t

The viad@tPILOT training provides easy-to-understand, concise explanations about the basic warehouse processes. It also shows how viad@tWMS can assist you in optimally configuring your intralogistic processes. Participants are given an initial insight into the handling and operation of viad@t. The seminar offers valuable help especially during the planning and decision phase.

### Working with viad@t

The viad@tBASIC training course explains the basic handling of viad@tWMS and the most important stages during storage and retrieval processes. Moreover participants learn about simple administrative tasks. At the same time, the training content is reinforced by means of hands-on exercises using the demo software. The course has been designed for warehouse managers, control system operators and site foremen as well as for all those who would like to gain a practice-oriented insight into viad@tWMS handling and learn about the opportunities it offers. The event is held for you exclusively and can be adapted to your own agenda, if requested.

### Warehouse management using viad@t

The viad@tADVANCED training builds on viad@tBASIC and advances to knowledge about administration and control system functions. Directed towards staff in charge of warehouse operation, the seminar builds confidence in the operators when handling the entire system. The

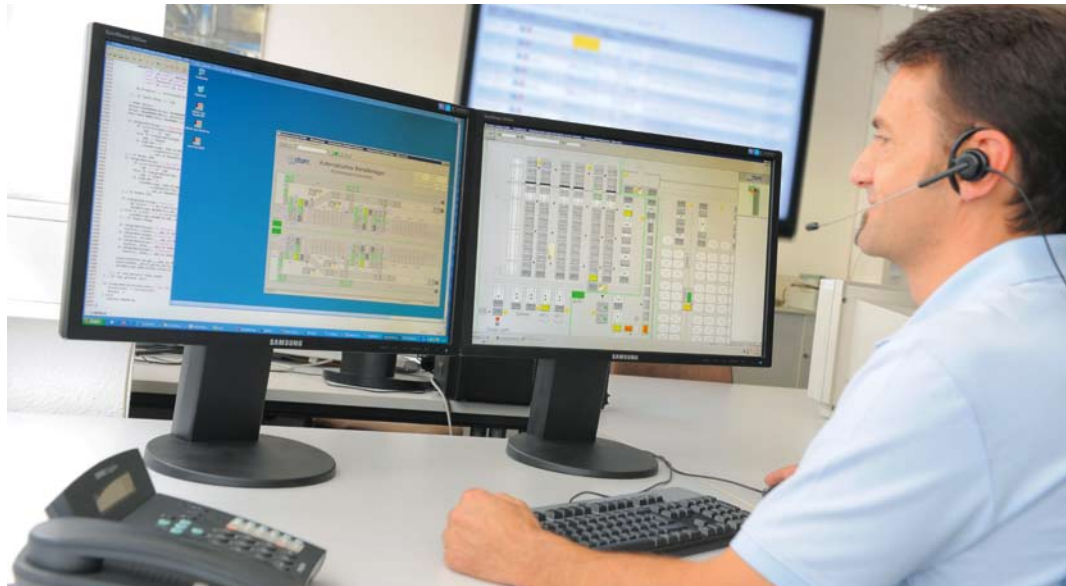
training course provides an insight into the configuration, the production of lists and labels, the operating mode of background programs as well as about interfaces to host and material flow systems. Once again, hands-on exercises using the demo software are aimed at reinforcing knowledge gained. If you are already operating a warehouse, there is an option to call in experienced employees from our hotline service who can provide valuable advice for preventing or eliminating system failure.

### Programming with viad@t

For especially complex projects, we can provide experienced staff from our development department to teach your programmers the required knowledge. In turn, they can then actively participate in the final software settings. Following this viad@tEXPERT training, a hands-on training can be held on-site.



## Our Specialists Are There for You 24/7



**viastore systems offers a wide range of services tailored to your specific demands.**

This applies in particular to your **viad@t** warehouse management system. **viad@t** integrates a database that records all failures. Thus your experiences and those gained by all other users too are collected centrally in a data pool at viastore. Here they are evaluated for continuous preventive measures and system improvement.

In addition, we monitor all hard drive, databases and CPU processes so that we can quickly react to the onset of failure. Nevertheless, if your system does run into trouble, our hotline is available to you 24/7. And instead of hearing a recorded message, you will speak to a well experienced IT and control system specialist who is there waiting to take care of your problem.

Our hotline engineers can switch directly to your system – right down to the control level of the storage/retrieval machines and the conveyor system. This enables speedy error diagnosis and troubleshooting. If an error cannot be remedied via the hotline, we have a comprehensive network of competent specialists who can be at your site within a very short time.

### **viad@tVISU**

The comfortable diagnostic system offers a complete overview of the system and enables quick error identification and elimination. Downtimes can be significantly reduced and comprehensive system statistics worked out.

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- **WMS viad@t**
- SAP Special Expertise Partner SCE (LES and EWM)
- Services, hotline, original parts

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