

Westfalia ™



**IN-DEPTH EXPERIENCE
GUARANTEES
FUTURE-PROOF SOLUTIONS**

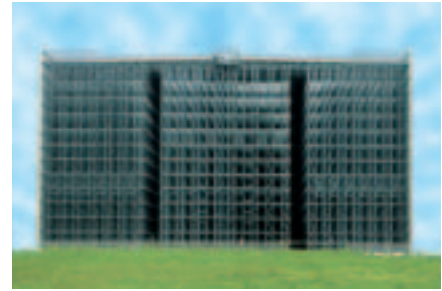
SUPPLY CHAIN AUTOMATION – AN HOLISTIC APPROACH, RIGHT DOWN TO THE LAST DETAIL



Westfalia Storage Systems plans, designs and implements warehouse, conveyor and order picking systems. Our aim is to ensure simple and efficient material flows. We use our know-how to offer practical solutions.

Westfalia Logistics Software controls and manages the logistical movements of a system connected to existing IT facilities. With the modular software system **Savanna.NET®**, maximum availability at the highest information level can be achieved with minimum customisation.

Westfalia Loading Systems develops and implements technologies for the interfaces between in-house logistics and transport logistics. Our guiding principle is the enhancement of speed, volume and safety.

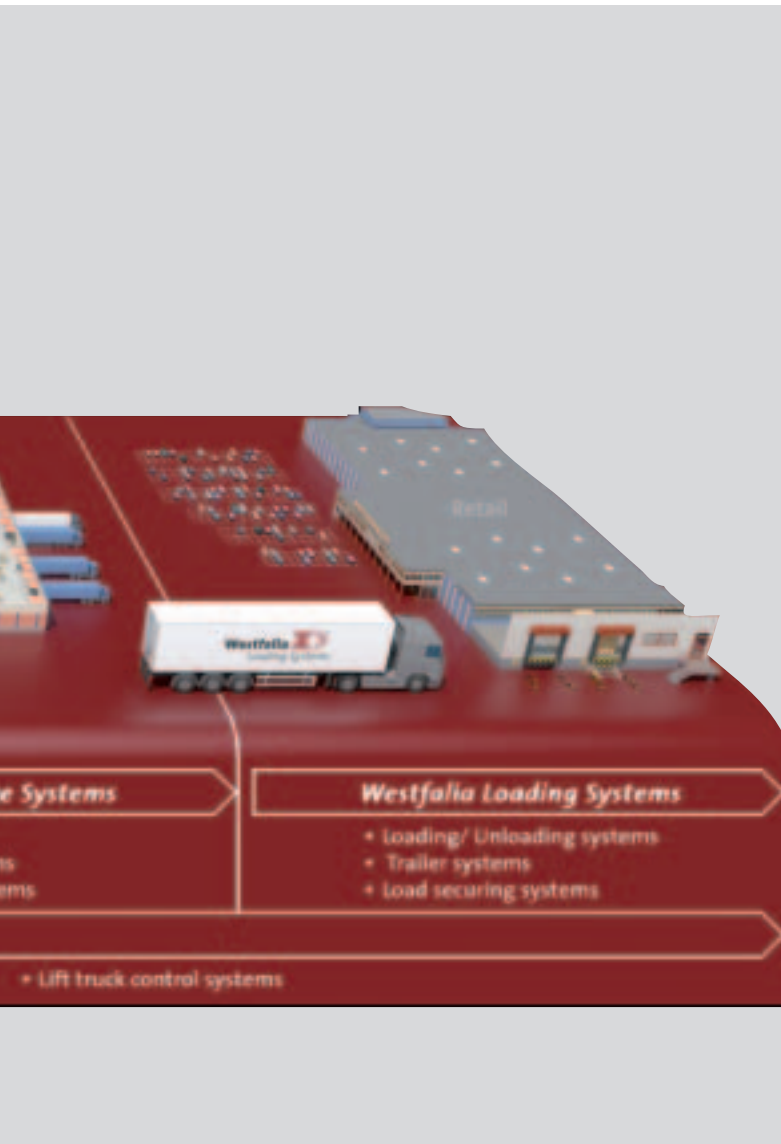


Logistics is more than moving materials or goods and providing for their availability. It is the complex interaction of a whole host of procurement, manufacturing and distribution processes. Those responsible face the constant challenge of adapting logistical processes to ever-changing market conditions.

One key to success are the high-performance technologies and comprehensive services provided by reliable partners. As a company committed to innovation and outstanding quality, this is where Westfalia really comes into its own.

Westfalia uses its specific know-how from its core technological competences to provide sophisticated products which play a central role in optimising clients' logistical processes. The company's comprehensive services and all-out commitment to personal communication mean that it is fully orientated to the needs of its clients. We guarantee that our long-term solutions will help you reach your goals:

- *increasing efficiency*
- *optimising processes*
- *boosting productivity*



STORAGE IS ABOUT KEEPING AND STAYING AHEAD OF THE GAME



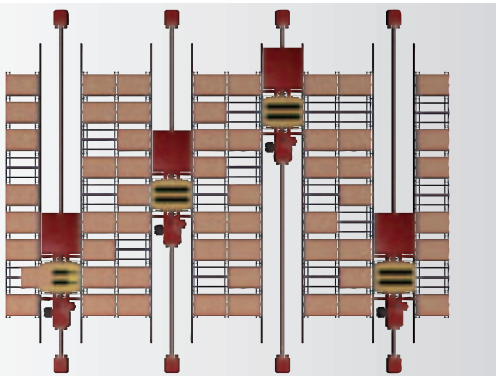
Whether as a system supplier or as a general contractor – **Westfalia Storage Systems** always takes a holistic approach, which not only takes the technology, but also the future system into account – including the up and downstream processes.

By working together with the client's logistics specialists, **Westfalia Storage Systems** develops the optimal solution. Instead of investment in a new system, this could also be the modernisation of existing systems.

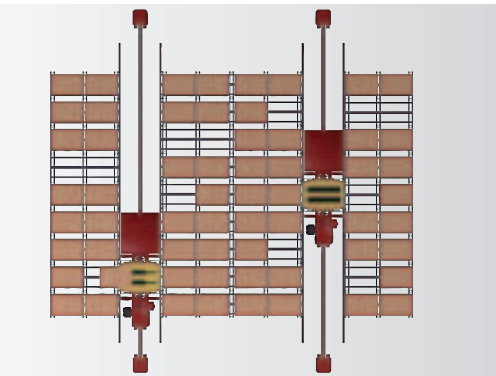
Westfalia Storage Systems constructs facilities based on the individual load carriers and loading equipment (e.g. pallets, trays, containers) or directly for the goods (e.g. cartons, layers, rollers).



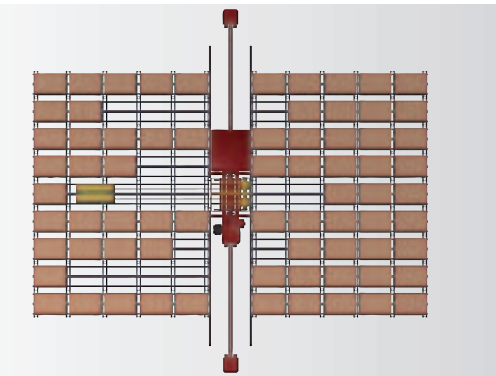
Single-deep storage



Double-deep storage



High-density storage



The modern retail world is characterised by a growing range of products with guaranteed availability. Today, the expectation is that materials are handled both quickly and in a high-quality manner. In addition, ever smaller orders place a particular challenge on order picking. Investments in warehouse, conveyor and order picking systems are therefore central to exploiting logistical potential.



The products offered by **Westfalia Storage Systems** bring together the very best mechanical and electrical solutions in professional plant engineering. Westfalia technologies stand out from the crowd thanks to their first-class system performance and availability. More than 650 challenging projects for companies from all industries are proof of our planning and implementation know-how – know-how which is able to recognise future requirements well in advance.



BUSINESS CONNECTIVITY: – MODULARITY FOR PERFECT INTEGRATION



Whether for controlling, managing, monitoring or handling – **Savanna.NET®** is the modular software solution of the future. It can be individually configured for the tasks at hand and, by adding further modules to the .base application core, it can also be expanded as required.

The **Westfalia Logistics Software** products enable seamless integration in all common system architectures, e.g. SAP. Certificates from Microsoft and HP, to name but a few, are proof of our interface excellence.

At **Westfalia Logistics Software**, the services we offer are defined by close customer dialogue, personal availability and active assistance.



Think, manage and take control – these cornerstones form the foundations for successful control and utilisation of logistical technologies. All the

networked processes and functions can be organised effectively using the software from Westfalia.

The customer decides which activities are to be supported by Westfalia applications and how the solution is to be integrated into the existing IT architecture.

All *Westfalia Logistics Software* products are compatible with the common industry standards. We are certified Microsoft and HP partners.

With *Savanna.NET*®, Westfalia offers a first-class modular architecture for managing the complex interaction of logistical processes. The clear and easy-to-understand user interfaces make the software both easy to operate and readily accepted. The strength of *Savanna.NET*® lies in the fact that clients are free to plan the scope and interlinking of individual modules. What's more, the state-of-the-art C#.NET technology allows the functions to be expanded and updated continually as the technology develops.

Business Partner



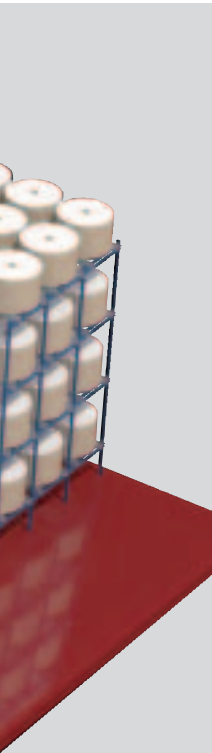
SAFELY DRIVEN BY INNOVATION FROM START TO FINISH



The conveyor belts which are integrated in the loading ramps and trailer floors from **Westfalia Loading Systems** automatically transport the goods safely into the lorries in a matter of minutes.

Variable lifting platforms boost the loading capacity and, thanks to the optimal utilisation of the available space, enable more freight to be transported for the same mileage.

The load securing systems based on Airbag technology developed by **Westfalia Loading Systems** offer maximum protection and represent the simple yet advanced alternative to conventional lashing and blocking methods.



Loading/ Unloading systems



Trailer systems



Load securing systems



It's not enough just to look at the sub-processes, there is often huge potential for improvement at precisely the points where such processes join the larger logistical chain. The loading and unloading of vehicles, in particular, is an area where processes can be optimised. The inefficient and slow handling of goods can jeopardise a truck's time-critical route plan. Loads which are not adequately secured present a risk on the road and also compromise the quality of the goods being transported.

Westfalia Loading Systems' aim is to simplify and speed up loading, whilst at the same time improving safety. To this end, our engineers are dedicated to developing innovative equipment to enable you to transport your goods from the warehouse to their final destination cost-efficiently. The seamless integration of truck traffic and optimal usage of loading capacity are at the core of what we do.



YOU CAN'T PUT A PRICE ON PEACE OF MIND



All our projects are preceded by an intensive analysis and assessment phase. In close cooperation with those involved, the current situation is established, the goals formulated and the approach to be taken coordinated.

We guarantee to implement our ideas and solutions in line with the individual customer's schedule.

We are there whenever you need us. As part of our comprehensive range of services, we ensure the continuous functioning of your system.



Above and beyond the technology offered, human interaction plays a key role in the success of a project. It's a great feeling when problems can be

solved as a result of good communication. Having a partner in whom you can trust is a real comfort in many situations and the knowledge that you have a committed partner on your side is priceless.

The Westfalia philosophy is to provide << **everything from a single source** >> . All its services and technical know-how is centred on providing optimal customer service. We regard ourselves as a long-term partner, who is dedicated to achieving joint goals from the word go:

- *holistic approach*
- *functional solutions*
- *high-quality implementation*

*Consulting
Engineering
Manufacturing
Installation
Maintenance
Modernisation*






Architektur: In/On, Paris

BERGAMIN
BMW GROUP
BOFROST
CAMPINA
DAIMLER
DAIRY CREST
DANONE
D'ARTA
DEUTZ
DHL
EMMI
EUROPEAN DRINKS
FUCHS GEWÜRZE
HALUCO
HEMOFARM
HENGSTENBERG
HUMANA
IVECO MAGIRUS
JOHNSON DIVERSEY
KAMPS
KLOOSTERBOER
KRAFTVERKEHR NAGEL
MIGROS
MILLS UNITED
NORDMILCH
OSRAM
POLAR MOHR
QUAD GRAPHICS
RONCADIN
SARA LEE
SEW EURODRIVE
STELLA POLARIS
STORA ENSO
UPM
VOLKSWAGEN

**Westfalia Storage Systems
GmbH & Co. KG**

Industriestraße 11
33829 Borgholzhausen/Germany
 +49(0) 54 25/8 08-0
 +49(0) 54 25/8 08-209
 storage@WestfaliaEurope.com
www.WestfaliaEurope.com

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GmbH & Co. KG**

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 software@WestfaliaEurope.com
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**Westfalia Loading Systems
GmbH & Co. KG**

Dieselstraße 90
33442 Herzebrock-Clarholz/Germany
 +49(0) 52 45/92 98-0
 +49(0) 52 45/92 98-50
 loading@WestfaliaEurope.com
www.WestfaliaEurope.com