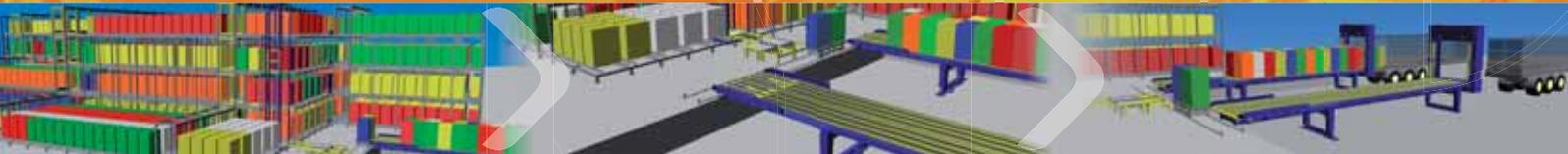


Full automation
from production to road





UltraHigh Density Dynamic Storage

ACTIW STORAGE

Compared to conventional manual or stacker based AS/RS warehouses Actiw Storage enhances space utilisation leading not only to additional numbers of pallet positions but also to higher input/output capacity within the system. The storing and handling are independent features, allowing an increase of throughput flow without extending the system's storing capacity. Actiw Storage, an ultra high density dynamic system, is a definite alternative for off-site storage or investment in a new facility.

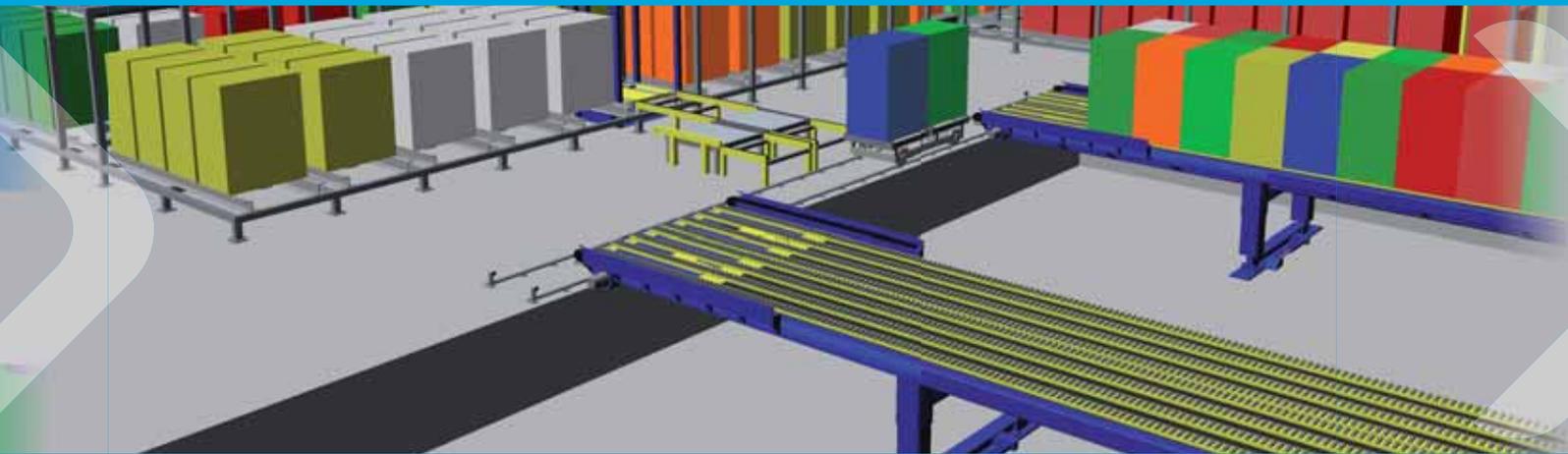
Actiw Storage's ingenious but simple modular construction of independent transfer devices, combined with an intelligent control system, guarantees redundant operation. Its functionality and durability has been globally proven.

Integrated value added functions of Actiw Storage such as buffer inventory, order sorting, picking, staging and shipment consolidation, enable optimization of storage and handling processes in a variety of environments.

Actiw Storage provides the competitive edge in a flexible layout design, high throughput and input/output capacity, less handling damage, and low operation and maintenance costs, not to mention its configurability in existing and restricted space even in multi-story buildings. It provides excellent return on investment by reducing human involvement and overall operation costs.

Actiw Storage is the first step towards a fully automated and flexible production and distribution process.





ACTIW LOADFORM

Loadforming and loading are in most cases conventionally carried out and far from meeting cost efficiency and smooth material handling. Actiw LoadForm is the interface between production or storage and automated loading system. It is a process that replaces conventional manual handling methods - the second step towards a fully automated production and distribution process.

Actiw LoadForm is easy to integrate with Actiw Storage or any automated warehouse or existing production unit. Its modularity

provides many alternatives for layout design of the dispatch area, allowing also flexible system flow modifications in the future.

The technology of Actiw LoadForm is reliable and easy to maintain. Its modular construction allows easy expandability and variability for your future needs. Cost effectiveness, reduced product damage, and loadforming accuracy are identified benefits of Actiw LoadForm.





ACTIW LOADPLATE

Automated loading into a standard cargo space was a challenge solved by Actiw LoadPlate. It has proved its functionality and efficiency in variable applications.

The benefits provided by Actiw LoadPlate are indisputable. The simple operating principle allows loading of variable products in different environments. No modifications are needed for

transportation vehicles or the cargo space. Fast loading enables minimized turnaround time for transportation vehicles. One smooth move and the cargo space is filled to its capacity limits.

Actiw LoadPlate integrated with LoadForm is the third and final step to fully automated and flexible material flow from production to transportation vehicle.



Full automation from production to road

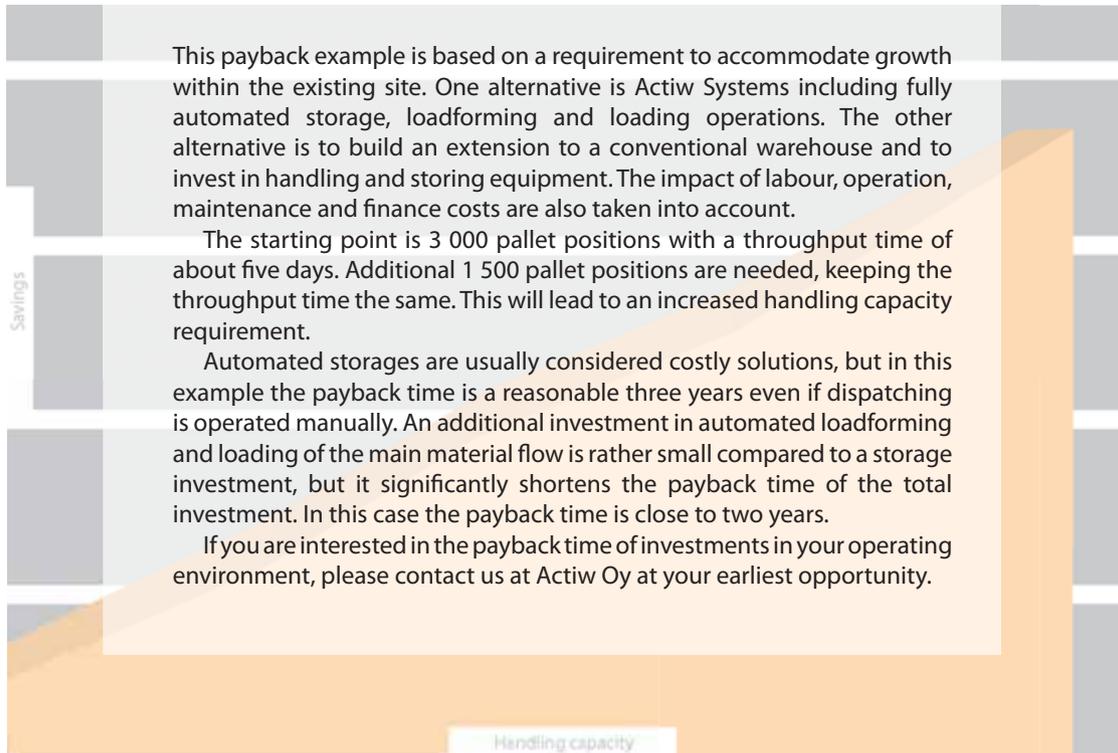
ACTIW SYSTEMS

Actiw Systems is an integral part of the total manufacturing system process that includes movement to and from storage, storing, sorting, staging, picking and loading (and unloading) features. Correct production, location, quantity and timing of material delivery, as well as adaptability in various temperatures and environments are essential characteristics of Actiw Systems.

Close cooperation with the customer and all project parties is the core of a successful project implementation. The redesigning and upgrading of material handling systems demands good understanding of future needs and plans of the customer to reach required goals and to ensure flexibility for the future. The layout design, proved by system simulation, enables a significant reduction of bottleneck phenomena during implementation.

In the layout design and planning phases of an Actiw Systems project delivery serious care is taken to ensure trouble free ongoing production. Project implementation in a phased sequence eliminates disruptions, minimizes temporary arrangements and keeps the service level up.

INCREASED SAVINGS BY ACTIW SYSTEMS



- 
- > automatically from production to standard cargo space
 - > adaptability in existing facilities and multi-story buildings
 - > efficient space utilization
 - > capability to handle high input/output capacities
 - > gentle handling
 - > low operation costs
 - > durable and sustainable
 - > easy and safe to operate and maintain

Real Advantages of **ACTIW SYSTEMS**



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Creating profit