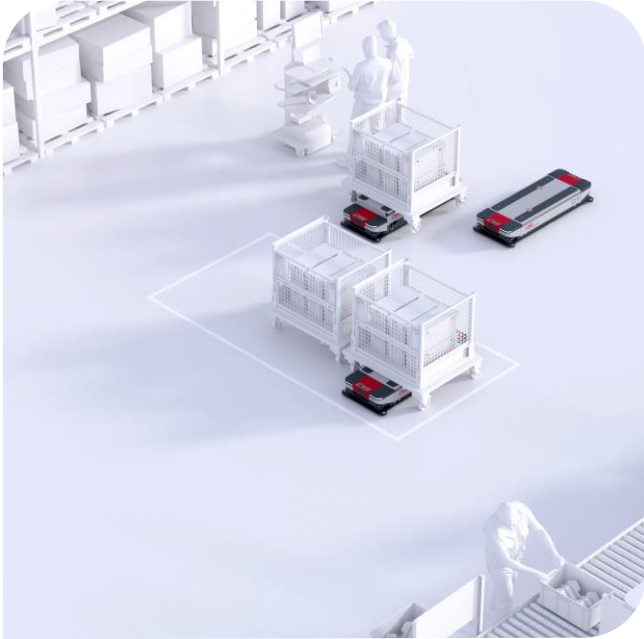


Overview Solutions

2022



Intralogistic solutions



Optimize your internal material transport

Many steps in production are now automated from the outset, promoting consistent quality and maximized production volume. But the individual stages of production often take place at separate locations and therefore require goods to be transported from one area to the next. Driverless transport systems come into play to save time here as well.



Material flow

The material flow becomes more continuous due to the standardized paths



Saving space

Fewer buffer areas between areas



Efficiency

No incorrect bookings or stock transfers due to logistics errors

Mobile racking systems



Even more efficiency through automation

Mobile racking systems are designed to make optimum use of the available space. In order to also make storage and retrieval efficient, it is possible to automate these processes with automated guided vehicles. In this way, they can be carried out separately in terms of time and thus a 3-shift operation can be implemented. With the help of the NAVIOS fleet manager, it is also possible to control exactly when which goods are to be taken where and which route is the shortest for this.



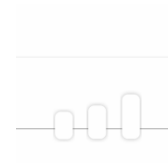
Complete solution

Together with our partner SSI Schaefer, we offer proven turnkey installations including mobile racking system and AGV, even as retrofit solution.



Saving space

High storage density due to mobile rack.



8,5m

Save and efficient load handling of pallets up to 8,5m lifting height.

Shuttle Systems



Flexible shelving systems for large and heavy stored goods

Depending on the article structure, batch sizes and storage strategy (FiFo/FiLo), channel storage systems have their advantage in a high packing density. Nevertheless, they are mostly operated manually by forklift. However, the storage and retrieval of pallets as well as the relocation of shuttles can easily be handled by an automated guided vehicle, saving you valuable working time. A higher-level warehouse management system (WMS) generates the orders for the AGV and also controls the shuttles, so that manual intervention is no longer necessary.



Complete solution

Together with our partner SSI Schaefer, we offer proven turnkey installations including rack, shuttle and AGV.



Saving space

High storage density due to channel storage



8,5m

Save and efficient load handling of pallets up to 8,5m lifting height.

Broad aisle warehouse



Automated processes for an efficient warehouse

Processes in warehouse logistics can be easily automated and optimized with an automated guided vehicle system. Where the same work step takes place again and again, it can be taken over by one of our vehicles, so that your employees are freed up for the complex tasks. We can automate individual steps as well as the entire process, according to your requirements.



Always the proper solution

By a wide product portfolio and the capabilities to adapt.



Saving space

High storage density due to narrow aisle with



8,5m

Save and efficient load handling of pallets up to 8,5m lifting height.



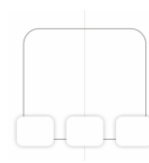
Optimization of the production chain

To ensure that the route between the individual filling stations is also optimally executed, we automate the transport of the silos with our vehicles. Together with our NAVIOS fleet manager, the recipe can be defined, and our vehicles then drive to the stations in the defined sequence and pick up each ingredient with gram precision.



Process safety

Reliable composition of the recipe



Traceability

NAVIOS documents every work step



Hygiene

Also available in stainless steel or with HCCP-compliant lubricants

Insulation material production



Increase efficiency in the production and storage of insulation blocks

Our NAVIOS software, produced in-house, offers master control, warehouse management and process handling in a single product. The required maturing time of the blocks can thus be taken into account and thus also storage and retrieval can be optimized without complicating operation and maintenance by a multitude of interfaces.



Project speed

Fast project implementation due to extensive standard components



Software

Master control, warehouse management and process handling in one software package



Soft transports

Gentle loadhandling with pressure sensitive clamping

Large and special load carriers



Where other standards end, we offer the perfect solution

Whether in body construction or in furniture logistics, special and large load carriers offer special challenges for which we implement the appropriate solutions. Vehicles with increased stability ensure stable load changes and transports in order to have the appropriate reserves at hand even in emergency stop situations. Due to a variable protective field adjustment, different aisle widths can be driven on depending on the container.



Load handling

Stacking and unstacking of suitable containers



Software

Fleet management, warehouse management and process management within one system



Safety

No compromises in plant safety

Small load carrier



The right solution for transporting your smallest loads

Although they are often standardized, small load carriers can differ in their dimensions from company to company. With the help of our customized load handling devices, we can easily pick up and transport the small load carriers you use.



Space saving

With its differential drive and compact design, SALLY can cope with even the tightest environments.



Software

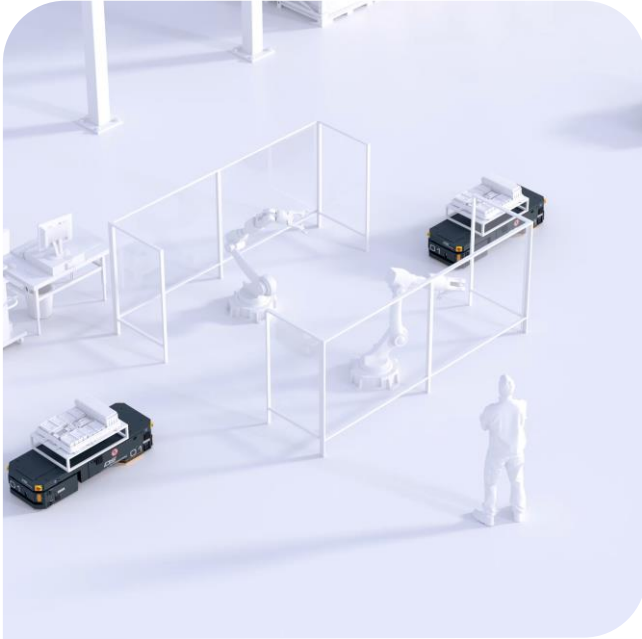
Fleet management, warehouse management and process management within one system



Adoptable

Modular design enables individually adapted load handling devices..

Assembly solutions



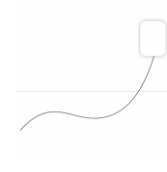
Solutions for your individual needs

Every production process has precise requirements in terms of work processes, ergonomics and flexibility. The integration of automated guided vehicles in pre-assembly allows processes to be optimized and automated down to the smallest detail and manual operations to be efficiently combined. We have already implemented over 100 systems in the area of pre-assembly and, thanks to our extensive expertise, can respond to your requirements in a very targeted manner.



Versatile

Support for a wide range of assembly methods and concepts



Ergonomics

Focus on the ergonomics of work processes



VDA5050

Whether track guided or free ranging. Our AGVs and fleetmanagers are all VDA5050 compliant



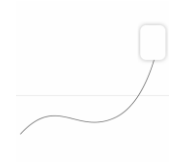
The future of automotive assembly

Every production process has specific requirements in terms of work steps, flexibility and ergonomics. The integration of automated guided vehicles in final assembly allows processes to be optimized and automated down to the smallest detail and manual operations to be efficiently combined. With a large number of our implemented systems, we can draw on extensive expertise and respond very specifically to your requirements.



Scalability

Highest flexibility of the plant due to simple expansion options



Ergonomics

Focus on the ergonomics of work processes



VDA5050

Whether track guided or free ranging. Our AGVs and fleetmanagers are all VDA5050 compliant

Healthcare solutions



Well thought-out internal logistics in the healthcare sector

In order to increase the efficiency of goods transport in the medical sector, the use of driverless transport systems is recommended. This ensures that different goods such as food, medicines, medical accessories, material accessories, laundry, documents, waste and sterile goods are transported to various areas in the hospital without a driver when needed or at predefined times.



Quality

Quality assurance through traceability of transports.



Continuity

High security of supply to the stations due to the appropriate automation.



Availability

The 24-hour availability of the automated guided vehicles ensures a steady flow of materials without legal restrictions.

Last mile delivery



Optimize your station operation with us

Individual items such as medications, sterile supplies, documents, laboratory samples and instruments must be transported within the hospital. Manual transport often ties up scarce personnel for such routine steps and makes them unavailable for important tasks during the time of transport. A remedy for this problem is offered by automated guided vehicles and autonomous mobile robots for ward logistics.



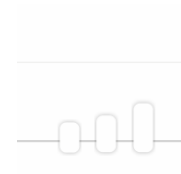
Hygiene

Customizable cabinet is easy to clean and disinfect



Safety

Only authorized personnel can open the compartments



Efficiency

Multiple delivery orders in one trip, even with spontaneous changes

Stay connected.

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   DS AUTOMOTION GmbH



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