

Jungheinrich customer reference

Automated JIS delivery at Schnellecke.



JUNGHEINRICH

AGVs and materials handling equipment ensure reliable processes.

As a third-generation family-owned company and external logistics service provider, Schnellecke has been handling the sequencing of vehicle parts for a premium automotive manufacturer for some time now. The automotive expert has taken steps to ensure delivery capability in the future by moving into a new warehouse with greater capacity in Kabelsketal near Leipzig. It worked with Jungheinrich to implement a just-in-sequence (JIS) logistics solution there. The system utilises an automated guided vehicle system (AGVS), materials handling equipment and smart software to ensure maximum process reliability with optimum space utilisation and reduced warehouse costs.

AUTOMOTIVE LOGISTICS WITH A PIONEERING SPIRIT.

With 80 locations on four continents and more than 60 years of expertise, Schnellecke is one of the world's leading logistics providers in the automotive sector, with extensive expertise enabling it to shape value-added logistics in the automotive industry more efficiently on a daily basis. Another milestone in the field of automation is the new Leipzig warehouse complex, in which an overall solution from Jungheinrich is used to provide just-in-sequence deliveries to a prominent automotive manufacturer. Three automated guided vehicles (AGVs), gravity roller conveyors and software take on the transport of wiring harnesses, door sills, rear valances and other vehicle parts.

TACKLING THE SKILLED LABOUR SHORTAGE WITH AGVS.

Jungheinrich EKS 215a stacker trucks have proven to be the ideal solution for fulfilling the high process reliability requirements and guaranteeing material supply 5 days a week, 24 hours a day. They were specially developed for automated operation and are the perfect addition to modern human-machine environments in times of increasing skilled labour shortages. In addition to the detection and monitoring of the pallets by the EKS 215a, the AGV has 360° personal protection with safety sensors on the truck for maximum protection when working.

GUARANTEED 24/7 AVAILABILITY.

Equipped with a lithium-ion battery and the function for automatic booster charging, the AGVs can be operational around the clock.

The capacity is always designed such that sufficient trucks are available at all times to achieve the required throughput. In order to avoid downtime, Schnellecke also chose the premium service package with a guaranteed response time within one hour in the event of a truck defect or other breakdowns. Whether it is spare parts service, repairs or software support, the Jungheinrich service engineers are on hand immediately if there is a problem.

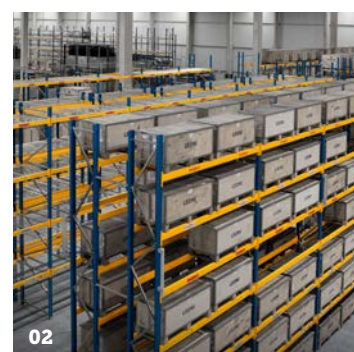
**Our motto:
Forward thinking –
One step ahead
for the future.**

BEST FIT: JUNGHEINRICH AS A GENERAL CONTRACTOR.

With the Schnellecke project, Jungheinrich was once again able to demonstrate its great strength as an integrated logistics provider. The customer received all components from a single source – from planning to after sales service after completion of the project. "Jungheinrich provided us with a complete package precisely tailored to our needs," summarises Benedikt Gillmann, Head of Automation at Schnellecke, "exactly what we needed for our specific application." The ease of commissioning and the pragmatic handling of challenges occurring within the project also impressed the customer across the board.

01
The safety system Floor-Spot with clearly visible points of light in front of the vehicle for a high level of safety during the automated transfer of goods.

02
Independent and confident: the EKS 215a, specially developed for automated use, serves 1,200 storage locations at a height of up to 6 metres every day.





// The new logistics system runs like clockwork – 5 days a week, 24 hours a day. //

Benedikt Gillmann

Head of Team Automation

Schnellecke Logistics Deutschland GmbH

A conversation with Benedikt Gillmann, Head of Team Automation at Schnellecke Logistics GmbH.

What do you see as the key advantages of Jungheinrich's overall concept?

Our company stands for innovative strength and future-oriented thinking or forward-looking thinking, as we like to call it. Jungheinrich's expertise in automation and digitalisation is the perfect foundation on which to design and shape logistics in the automotive sector of the future. In Kabelsketal, we have programmed the initial interface, so to speak, in order to optimally utilise the advantages of automated storage in the future. Linking our warehouse management system to the Jungheinrich control system has given us completely new options for the efficient control of our warehouse processes. Communication between trucks and warehouse equipment simplifies the entire planning process and increases our productivity.

What made you decide on an automated guided vehicle system (AGVS) for your logistics solution?

We have been involved in automation projects for more than 10 years now with the aim of proactively counteracting omnipresent problems such as the shortage of resources and skilled labour. Using an AGVS enables us to utilise our internal resources more efficiently. In addition, the market demands a certain dynamism and flexibility from us, which we achieve by automating our processes. Of course, during the ramp-up phase, our employees first had to familiarise themselves with the automated trucks and their handling. However, the simple, intuitive operation of the EKS 215a made this process much easier and the commissioning process was very smooth overall.

Are you satisfied with the premium service provided by Jungheinrich and would you recommend the cooperation you have with it to others?

Service packages with short response times were an important criterion for us when awarding the project. As a JIT and JIS supplier, we must be as agile and flexible as possible. Every second counts. We can't afford to wait several hours for a service engineer. The premium service package was the perfect choice for us, and it fulfils all our expectations. The service is reliable, prompt and professional. For us, the partnership has been perfect overall. We value Jungheinrich's many years of experience and technological expertise. I can definitely imagine that we will be calling on Jungheinrich's expertise again for future projects.

THE PROJECT AT A GLANCE



Customer:	Schnellecke Group AG & Co. KG
Sector:	Logistics
Company size:	Approx. 19,000 employees worldwide
Location:	Kabelsketal / Leipzig, Germany
Warehouse size:	Total area of 6,000 m ²

CHALLENGE

Commissioning of an automated just-in-sequence (JIS) logistics solution for a premium automotive customer as well as guaranteeing the capability to deliver around the clock, 5 days a week, as the top priority.

JUNGHEINRICH SOLUTION

Overall logistics concept for the efficient JIS delivery of car parts consisting of EKS 215a automated guided vehicles, racking systems, materials handling equipment and process control software.

RESULTS

New warehouse with optimised utilisation of space and 1,200 rack storage locations, maximum process reliability and seamless delivery capability thanks to the premium service with a guaranteed response time of within one hour.

IMPRESSIONS

During automated collection of the products, the high-lift AGV detects and monitors whether the pallets have been picked up correctly.



24/7 availability guaranteed: The AGV uses times without transport orders to temporarily charge its lithium-ion battery at an automatic charging station.



The 7-inch display with touch function provides a quick overview of the current battery charge level and other important storage process data.



The products are identified using a QR code scanner before the Logistics Interface coordinates storage in coordination with the customer's own WMS.