

IMPLEMENTED IN RECORD TIME

EDITORIAL

Dear Reader,

The world of intralogistics applications is exceptionally varied. It ranges from a well-ordered tool cabinet to automated small parts storage, from transport via a sack truck through to high-performance sorting systems.

SSI Schaefer presents for you in our „Update“ a regular overview of small to large applications, each demonstrating innovative solutions. New container concepts, powerful picking systems and intriguing custom applications determine the picture of new innovations from the world of Schaefer.

For me personally, it is always during relaxed periods of studying reading matter like this that new ideas come to link ingenious solutions from elsewhere with the current concerns of everyday business.

Wishing you inspiration and enjoyment in reading the magazine,

Rainer Buchmann

General Manager at SSI Schaefer Peem, Graz, Austria

Automatic pharma picking system set up in 100 days

As the Stuttgart-based pharmaceutical wholesaler GEHE Pharmahandel GmbH appointed the Graz-based intralogistics experts SSI Schaefer Peem GmbH to set up a picking system for around 100,000 items in Günzburg, Southern Germany in September of last year, and insisted on the system being commissioned within a 100 day period, it's fair to say that there was a certain amount of apprehension at the experienced Austrian logistics provider. And not without reason; at that point there was only an industrial shell in Günzburg – a hall with a finished floor, but without a power supply, data cables or compressed air connections, all of which are essential for fully automated and semi-automated picking systems.

GEHE's objective was to start at the beginning of this year to fill the gap in the supply area quickly and to be able to produce the associated competitive and cost advantages. For SSI Schaefer Sales Manager Klaus Stübinger it was only possible to implement the system within the tight timeframe

„because the company is a long-standing customer of ours who we know very well and who knows us very well. This meant that we were able to complement one another perfectly and demonstrate that we are also capable of masterful logistics services in terms of project implementation. In addition, system components from a picking system at another site needed to be integrated in Günzburg, and these first had to be dismantled and transported without damage.“

A logistical masterpiece

„Before our project in Günzburg the standard for such a complex project was for implementation over a period of one year“, continues Klaus Stübinger. The on-schedule commissioning of the GEHE system, covering an area of 4500 sqm, has created a sensation within the pharma logistics sector worldwide and brought considerable renown to SSI Schaefer as a reliable partner in the construction of picking systems.



Follow-up order
from Cinram International
for German branch



Around the globe
Project news from SSI
in Asia and Great Britain



Mobile systems
for compact storage
of reserve samples



Automation inside
SSI Schaefer is holding
congresses across Europe

Main contractor in the beverage industry



In Baruth in Brandenburg, Germany, SSI Schaefer is currently expanding the logistics centre for the company Brandenburger Urstromquelle. The project is to add a further warehouse for finished goods and dispatch to the production site located there. The new, 14-aisle pallet warehouse will provide almost 45,000 pallet storage spaces. For the expansion work, which is being integrated into live production and storage processes, SSI Schaefer, based in Giebelstadt, has won the contract as the general contractor, including planning, approval procedures and all the construction and engineering work. This means that the automation specialists will be providing everything from the base plate to the system layout, expansion and conveyor technology and IT equipment, through to a sprinkler system for the entire range of services in the project. The handover of the turn-key construction is to take place in the course of this year.

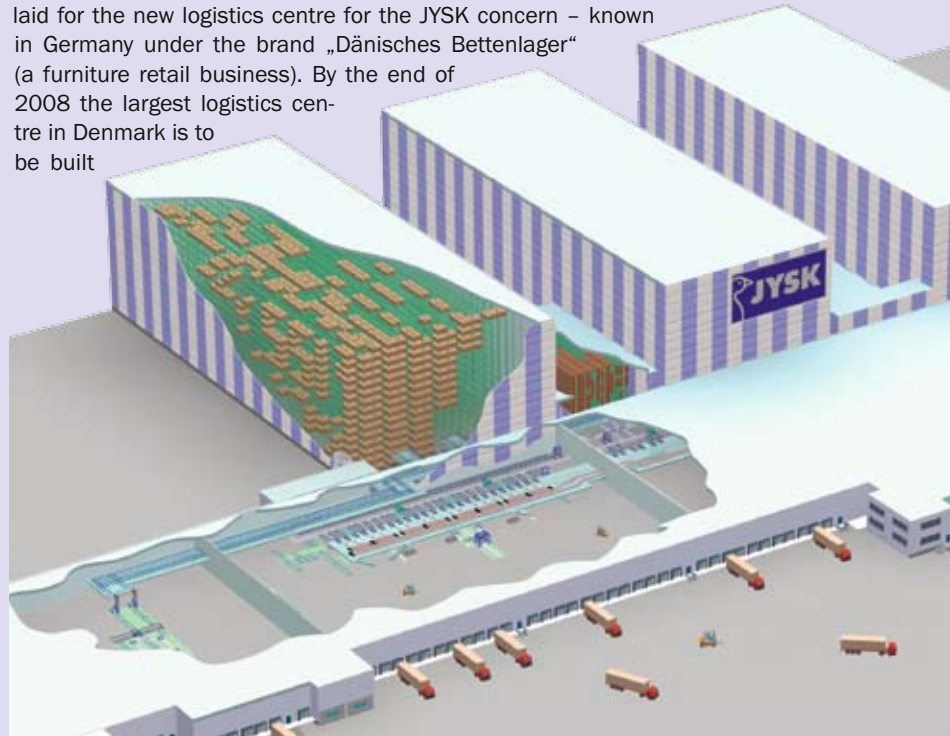
Increased storage thanks to box division



In the new distribution warehouse of the Dutch wholesaler of painting equipment Ter Hoeven, the Schaefer Carousel System (SCS) and a mini-load system have been ensuring the quickest possible order turnover times since they were commissioned in the third quarter of 2006. Being used as the load carriers are 18,000 LTB containers from Schaefer, which run through the materials flow from incoming goods via the buffer mini-load system to the carousel right through to the picking stations. The compact storage is increased even further thanks to the division of the boxes into 2 to 4 compartments. Even the smallest bulk items are housed economically thanks to the flexible usage of the dividers. At the pick-to-tote picking stations, a light beam indicates to the employee the compartment from which the goods should be taken. To do this the boxes are fitted with four barcode labels all the way around.

STORAGE TECHNOLOGY FROM SSI IN DEMAND IN SCANDINAVIA

In Uldum, Denmark in January 2007 the foundation stone was laid for the new logistics centre for the JYSK concern – known in Germany under the brand „Dänisches Bettenlager“ (a furniture retail business). By the end of 2008 the largest logistics centre in Denmark is to be built



schaefer carousel system



Capacities for future tasks

SSI Schaefer are completing the extension of the order picking and returns warehouse for the mail order company Witt based in Weiden, South Germany. At the heart of the system is the SCS, a Schaefer Carousel System for 350,000 items and 6,000 incoming and outgoing stock movements per hour with integrated RFID application.

„The new picking and returns warehouse is a huge leap forward towards further expansion“, explains Thomas Groß, Managing Director of the Josef

Witt GmbH in Weiden. „It provides the capacities to handle future tasks highly successfully.“ The system in question here is the new Automatic Container Centre which SSI Schaefer, Giebelstadt, completed at the end of 2006 as the main contractor for Germany's oldest textile mail order house. In addition to equipping the picking and returns warehouse incl. conveyor, control and container technology, SSI Schaefer is also responsible for designing and planning the project, and implementing the „ant“ warehouse management software.

Follow-up order from 

there in the open countryside. The complex overall encompasses an area of 65,000 sqm and three high-bay warehouses at a height of 40 metres each are to be built with a total volume of 134,700 pallet storage locations; and the Scandinavian concern is investing more than 100 million euros in the project. SSI Schaefer, based in Giebelstadt, was awarded the contract for realising this project as the general contractor.

The specialists in storage and logistics systems will begin the next phase of the project with assembling the racking. After that, 21 storage and retrieval machines (SRM) will be installed and 24 order picking stations for pallets and trays as well as two automated small parts stores with a further 12 SRMs and 30,000 trays will be set up. All the pallet and tray conveyor technology incl. pallet floor conveyor and the material flow and warehouse management computers for controlling the operational processes will be from SSI Schaefer.



Cinram International headquartered in Ontario is one of the world's market leaders in the production of pre-recorded CDs and DVDs. Following an initial order with Schaefer USA two years ago, the intralogistics specialists have now been contracted to equip the German Cinram branch in Alsdorf, near Aachen. In autumn of last year, SSI Schaefer first delivered a 35-aisle, approx. 12 metre high narrow-

aisle warehouse with 15,500 pallet spaces and 6,900 live storage channels for order picking for sections A/B/C of the new logistics centre. Currently an automatic picking, packing and shipping system is being integrated, which includes a live and pallet storage flow system, pick-to-light order picking, various conveyor technology components and a shipping sorter.

LOXCESS
warehouse logistics

NEW MULTI-CLIENT LOGISTICS CENTRE

Since March 2007 the logistics service provider Loxxess in Ebermannsdorf, Bavaria has been constructing a new multi-client logistics centre. The contract for the storage technology was won by SSI Schaefer, Neunkirchen. In Spring 2007, the total solutions provider initially built the steel construction for the 17 metre high silo mini-load system on an area of 18,000 sqm, which will house 46,000 containers. The next phase will be to integrate an 11 metre high pallet racking system serviced using fork-lifts and with 3,100 storage spaces.

Loxxess is investing a good 6 million euros in the first construction phase alone. The main contractor



Symbolic ground-breaking ceremony for the new Loxxess logistics centre: (see left) the future Site Manager Michael Schertl, Mayor Albert Gruber and Loxxess Managing Director Peter Amberger.

for the Ebermannsdorf-based loading warehouse is Siemens AG Automation and Drives (A&D) with its divisions CD (Niederspannungsschalttechnik - Low Voltage Controls and Distribution) in Amberg and AS (Automatisierungssysteme - Automation Systems) in Cham. Since as early as January 2005, Loxxess has been carrying out logistics services for Siemens A&D, including quality processing in the incoming goods department as well as the storage and „just in time“ delivery of the items. The new building had become an absolute necessity following the positive progress of the project at both Siemens sites and the increase in performance in loading activities involved in the former Hirschau-based logistics centre.

Borneo raised the bar for vehicle after-sales-service



As the long-standing sole distributor of Toyota and Lexus vehicles in Singapore, Borneo Motors invested S\$17 million to expand its network and upgrade its facilities to provide the best after-sales-service possible to its customer base in Singapore. Due to the upturn in the market and the expansion of the Toyota branded product range, the existing parts warehouse had hit its capacity limits. With the relocation of the ware-

house to the Senkee Logistics Hub, the space is now doubled at 7,222 sqm.

After considering three proposals, Borneo opted for Schaefer. "The design of the Schaefer system is good and flexible. As it is easy to detach, reconfiguration is simplified. Schaefer also has the engineering capability and responds fast to changes. When we provided feedback, they responded

immediately", Mr Tan noted. After two months of design and consultation and four months of installation, Borneo has a racking system that meets its exact needs. The system comprises of a two-tier R3000 shelving system with 1,080 shelf locations and a selective pallet racking with 368 pallet locations. The new facility now carries spare parts for Toyota, Lexus, Hino and Suzuki with a total value exceeding S\$11 million.



revs up Korean operation

BMW is reaping the benefits of being the first foreign car manufacturer in the Korean market. With annual sales of around 7,000 cars, it is one of the top sellers amongst foreign made cars. The premier auto manufacturer, which launched into the Korean market in 1995, has mounted a multi prong programme to raise its sales higher to 10,000 a year by 2008.

With the establishment of the BMW Regional Parts Distribution Centre in Incheon, the company now has the biggest spare parts facilities in Korea for foreign made cars. The facility stores 600,000 parts, sufficient for a three-month supply. The stocks are closely monitored with the help of the SAP warehouse management system. Schaefer delivered a three-tier modular shelving system and a pallet racking.

Snacks and beverages for the Philippines

As the market leader in the Philippine snacks and beverages, Universal Robina Corporation (URC) is riding high on increasing demand from an expanded population base and the ever-rising demand for ready-to-drink beverages. The company operates 11 distribution centres (DCs) located next to the plants - the latest one being the new warehouse at Cavite.

The 2,144 sqm warehouse stands 13 metres high, the highest within URC. Drive-in pallet racking systems of 12-metre height, with an aisle length of 30 metres, provided space for 3,744 pallets. Though slightly bigger in area than the 2,100 sqm old warehouse, it can accommodate over twice the number of pallets because of the extended ceiling height and improved space usage. "It is a very organised system", remarked a rather pleased



Shelf supported mezzanine construction in the BMW small parts warehouse in Incheon, Korea.



Fire damage required SSI Schaefer expertise



Catastrophic fire damage at Ernest Doe, Fyfield, Essex required the expertise of SSI Schaefer. The fire caused the complete loss of the showroom and parts department at such a critical time for Ernest Doe – the summer harvest period. As one of the UK's foremost distributors of agricultural, construction and professional turf care machinery, it was crucial that Ernest Doe minimised the loss of business whilst building work took place.

Ernest Doe did not hesitate to contact long-term supplier SSI Schaefer to assess the destruction and provide recommenda-

tions for replacing the existing parts store shelving. Graham Plester of SSI Schaefer was able to quickly provide a layout, manufacture and deliver materials within the timeframe set out. Regal 4000 two-tier with open mesh steel flooring, 500 mm deep shelves with accessories, RK plastic containers and TRF adjustable dividers were installed in time for the reopening of the showroom and parts store. Branch Manager Damian Williams of Ernest Doe commented: "The introduction of RK shelf containers has improved our stock location efficiency, enabling more parts to be stored in a smaller area."

Follow-up order from QUINN Group Flexible Storage for Quinn Radiators

Mr Eduardo Quintos XVIII, URC's Area Distribution Manager for South Luzon.



Quinn Radiators in Newport, Gwent, is the latest site to have installed SSI Schaefer equipment, adding them to the long list of Quinn manufacturing sites throughout the UK, all using SSI products.

Quinn Radiators, part of the Quinn Group, is Europe's leading manufacturer of Round Top radiators. Following a recent successful job completed at Quinn Glass in Elton (a mega pallet silo – see update 2, 2006), Quinn Radiators called in SSI Schaefer to install a new stores area for urgent storage needs.

Completed in September 2006, Schaefer equipped the required new stores area with PR600 Pallet Racking and Regal 3000 modular shelving with adjustable, bolt-free slot in shelves ensuring a flexible and economic storage solution. Mesh partition-

ing and a workbench was also installed. Andy Shenton, Quinn Radiators Ltd, said: "We are delighted with the new and improved storage area. We worked closely with Schaefer to ensure all of our storage needs and requirements were met – and they certainly exceeded our expectations. Schaefer were flexible to change at all times – it was a quick professional installation completed on time and within our budget."



SAFE AND SPACE-SAVING STORAGE FOR CHEMICALS



R3000 track-free mobile racking system. With this shelving type, the shelf rows are inserted in parallel to one another, so that just one service aisle is sufficient for access to all the stored goods. This means that the space is used optimally thanks to the maximum storage density.

As the storage of materials hazardous to water requires an adequate collector system in accordance with German Water Management Act, the chemical bottles holding 0.25 to 1 litre are stored in 490 drawers at a height of 100 and 200 mm. In addition, the mobile bases of the shelving system have been fitted by SSI Schaefer with special corrosion-proof drip trays tested by the German TÜV and conforming to German DIN EN ISO 3452.

The production of chemicals requires special regulations to be met, such as the storage of reserve samples. This is also the case for Goldschmidt GmbH in Essen, Germany.

The company, which forms part of the performance chemicals division of Degussa AG, produces chemicals which are used to manufacture skin and hair care products as well as washing and cleaning products. Over

30,000 reserve samples need to be stored for long-term monitoring. However, a storage area of just 80 sqm was available for this purpose in Essen. This problem was solved by SSI Schaefer with the delivery of a type



Wires for the world market Efficient processes thanks to mobile technology

Westfälische Drahtindustrie GmbH has streamlined its processes considerably with a new warehouse for the semi-finished goods manufacture in their site at Rothenburg, Germany, and implemented a cost-cutting logistics solution. The central component is a mobile racking from SSI Schaefer. WDI Site Manager Dipl.-Ing. Christian Dietze explains: „We wanted to use as little space as possible and find the optimum solution with regard to investment and future operating and energy costs.“ As the shelves are to be operated using a conventional fork-lift which is also used in other divisions, the aisle width of 6 metres required for stationary shelving would have had a very negative effect on the space utilisation. In comparison, the mobile warehouse requires only 30 percent of that space.



„The system works perfectly, and it means that we have also decided to implement the mobile racking from Schaefer for the current finished goods warehouse as well. The critical factor was the high load capacity of the individual shelf trolleys at up to 24,000 kg per bay, the large number of references and the problem-free implementation of the first order“, adds Dietze

WDI Site Manager
Dipl.-Ing.
Christian Dietze



Castrol installs new

Mobile Shelving System

Acknowledged as one of the world's leading specialist providers of lubrication solutions, Castrol embarked on a project to modernise its laboratory storage facility in Pangbourne, South-East England.



In order to increase the total available laboratory storage area and make samples more accessible, Castrol enlisted the support of SSI Schaefer. Ian Cook, Project Manager at SSI Schaefer UK, designed an installation using the very latest technology within shelving – 'Powered Mobile Shelving R3000'.

Castrol has gained a number of significant benefits since the completion of the project in November 2006, a spokesperson for Castrol said: "We have gained much more flexible space that has allowed us to organise our samples more efficiently. We are delighted with the new and improved research facility."

HENRY SCHEIN RELIES ON SSI SCHAEFER

New warehouse equipped for health products



Henry Schein, Inc. is the largest dealer in health products and services for doctors' practices, labs and clinics and more in North America and Europe. The French branch in Joué les Tours shortly opened a new logistics centre. Following an analysis of the items and their frequency of handling, Schaefer France recommended a mixture of various systems: A drive-

in pallet racking and a standard pallet racking are used to house large and heavy items. Live storage shelving systems are integrated into the lower levels of the pallet racking. The angled layout of the flow channels is ideally suited for the order picking of fast moving items. For the safe storage of dangerous substances, special security cabinets have been fitted in a separate

hazardous goods warehouse.

„With the reorganisation and the capacities in the new sales centre, our aim is to process 98 % of orders within 24 hours“, explains Philippe Roy, Managing Director at Henry Schein, France. They also plan to double the performance of the sales centre before 2015.

VÖGELE SHOES ✓

Vögele-Shoes is a market leader among Swiss shoe outlets. There are up to 25,000 pairs of shoes available per shop.

Since Spring 2006, the company has been offering its customers improved orientation with a new shop layout. The appropriate shelving was developed by SSI Schaefer. In the process, the high level of expertise from SSI Schaefer in the field of warehouse equipment, the comprehensive range of shelves and the in-house production plant were also positive factors for Vögele-Shoes for two key reasons: The development time from proto-

types to final model was completed in just two months and the final shelving was made available at the price of a standard model.

Markus Sennhauser, Construction Manager at Karl Vögele AG, was convinced thanks to these benefits: „The speed, the uncomplicated cooperation during the planning and agreement phase, as well as the provision of various product samples in a very short period of time made SSI Schaefer stand out with a high degree of flexibility and professionalism.“



EXCLUSIVE SHELVING SOLUTION



SSI BRANCH OPENED IN FINLAND

In Vantaa near Helsinki an additional branch of the international SSI Schaefer Group was opened. The official opening celebration took place in September 2006. Managing Director Valericio Leppe on the significance of the new site: „In Finland there have been no „total solutions providers“ like SSI Schaefer up to now, whose range includes products such as complex intralogistics systems. In addition to the local market, we will also act as a partner for Finnish companies who operate in Russia and the Baltics. The growing transit traffic

between Western Europe and Russia also provides many opportunities.“



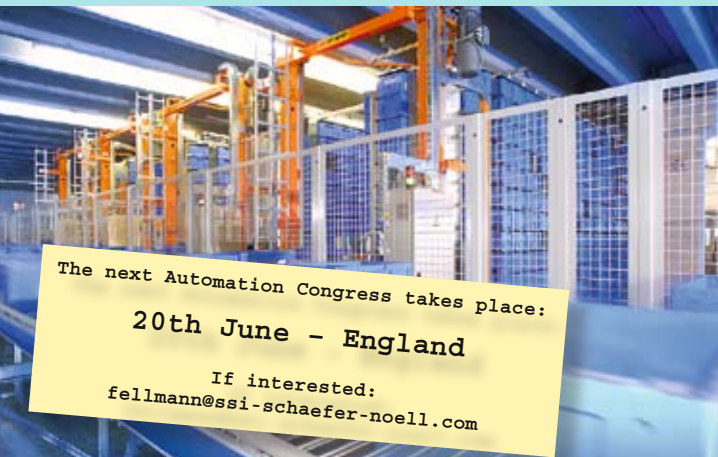
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SSI Schaefer at ProMAT | Chicago



In January, ProMAT 2007 took place in Chicago. The most important material flow and logistics expo in the US attracted around 35,000 visitors. SSI Schaefer USA was among the 700 exhibitors and presented an automatic small parts store, a picking system with pick-to-light operator control system and the returnable container series of collapsible boxes, to name just a few.

SSI AUTOMATION CONGRESSES IN EUROPE



The next Automation Congress takes place:

20th June - England

If interested:
fellmann@ssi-schaefer-noell.com

Bringing logistics professionals interested in automated solutions and solutions from the SSI Schaefer Group closer together – this is the objective of the Automation Congresses that Schaefer is holding across Europe during the course of 2007. The prelude to this was a congress in Denmark in November of last year. The 50 participants were presented with a mixture of lectures on products and current references and the live demonstration of a picking station. Following on from these there was time for open discussions and more in-depth personal conversations.

Shortly after the copy deadline, an Automation Congress by SSI also took place in Poland, and we will be reporting on this in the next update.

Visit us at these trade fairs 2007

EXPOLOGISTICA | MEXICO CITY

4 – 6 JULY 2007

EMO | HANOVER

17 – 22 SEPTEMBER 2007

MOTEK | STUTT GART

24 – 27 SEPTEMBER 2007

FACHPACK | NUREMBERG

25 – 27 SEPTEMBER 2007

TRANSPORT & LOGISTIEK | ANTWERP

25 – 27 SEPTEMBER 2007

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