

logistik-report

Edition of August 2006 Friesach bei Graz, Austria

Brüder Schlau: Four Warehouses with WAMAS® High Tech in the Warehouse for Maximum Increase of Customer Satisfaction

An ambitious schedule with the warehouse commissioning taking place in a four week rhythm, and numerous adjustments to the customer specific processes in addition to the WAMAS software standard, underline the aims and strategy of the Schlau Logistics: high-tech in the warehouse to further increase competitiveness through efficient deliveries and quick and rational supply of wholesale customers and own stores.

The Brüder Schlau enterprise is the largest floorings dealer in north Germany and employs 400. Besides its own stores, Hammer Heimtex, Schlau also supplies wholesale and retail with floorings, carpets, paints, tools and bathroom furnishings.

Dynamics and Flexibility in the Logistic Processes

The administration centre of the enterprise is in Porta Westfalica. The main warehouse is adjoined, with an area of 18,000m². The largest paternoster for carpeted floorings in Europe is also in Porta Westfalica. Alone in this logistic centre the daily capacity amounts to 2,000 flooring cuts. The range encompasses around 30,000 articles. Extremely short delivery times, mostly only one day after receipt of order characterise the logistic processes. Dynamics and flexibility at the highest levels are required.



Central Warehouse Porta Westfalica

Central Warehouse Ostrau



Central Warehouse Brandenburg



Since December 2005 warehouse management has been controlled and optimised with the WAMAS warehouse management system in the warehouse in Porta Westfalica and the central warehouses in Brandenburg and Ostrau, and since the beginning of 2006 also in Hamburg.

The WAMAS software standard was extended by the special requirements of the Schlau logistics:

- Short throughput times, increased efficiency and fewer process steps through comprehensive warehouse cross docking: incoming goods are rushed through without interim storage directly to dispatch or to a further Schlau warehouse.
- Pre-picking: pre-ordered goods are picked and kept in interim storage in the reserve. The delivery order is generated on schedule by the WAMAS WMS.
- Order optimisation by picking sequence in the carpeting paternosters
- Acquisition and analysis of process times in the warehouses

Besides the WAMAS rollout for the warehouse in Hamburg the preparations for SAP introduction have been running since the beginning of 2006. The integration of WAMAS into the SAP environment and the introduction of the curtaining range should be completed by the beginning of 2007.

Vegon S.A. Coruña, Spain: Fresh goods with WAMAS®

The WAMAS warehouse management system has steered and controlled the Vegon S.A. logistic centre in Santiago de Compostela since the year 2000. 200 own supermarkets and 300 retail partners are supplied from the goods distribution centres. WAMAS has also been deployed since spring 2006 in the fresh goods warehouse of the Vegon S.A. in Coruña and so replaces the existing warehouse management system. The fresh ranges such as fruit, vegetables and dairy products are stored in Coruña and distributed to 400 customers.

The warehouse in Coruña has an area of 6,888 m² and a total of 3,381 palette spaces:

Fruit/veg warehouse: 3,290 m²
Palette spaces 1,049
Processed meats/cheeses warehouse: 1,280 m²
Palette spaces 1,943
Dairy warehouse: 1,108 m²
Palette spaces 389
Workshop, offices, empties: 1,210 m²

The WAMAS WMS supports the warehouse processes from the goods acceptance through to internal transport, storage, picking and dispatch. Cross docking functions or the selection between automatic and manual contingent allocation provide an optimised material flow. Picking, transport and all storage and retrieval activities are performed online through RF terminals. Up to 50 RF users are led through the working processes in parallel.

In a following extension step further capacities for the storage of fresh meats and fish will be created and voice-picking introduced.

TOP NEWS // UP TO DATE

Best Ranking for x-trade

The Trovarit AG in Aachen performed the "ERP satisfaction study 2006" with support from Computerwoche magazine. The merchandise management system x-trade from maxess systemhaus, specially conceived for retail, achieved the best ranking!

Criteria such as overall satisfaction and quality features were questioned in the study. The large producers received rather mediocre scores. The customers of smaller ERP suppliers prize above all the branch expertise and flexibility of their system partners.

Further information at:
www.computerwoche.de
www.erpz.de
www.maxess.de



NAHRIN AG: Fully Automated High Rise Warehouse

maxess New Product: decision-cockpit

EMMI Deep frozen warehouse with WAMAS®

WAMAS® Track & Trace Goods Tracing

Nahrin AG: Fully Automated High Rise Warehouse Increases Efficiency

The production buildings of the Nahrin AG in Sarnen were extended by a fully automated high rise warehouse. The new warehouse, in operation since December 2005, takes over the supply and return transfer from production and serves as distribution warehouse. The Nahrin AG is one of the largest direct sales enterprises in Switzerland. The traditional enterprise produces healthy cake specialities, nutritional supplements, fitness and functional food, breakfast and snacks and dessert specialities.



The major goal of the customer, a user friendly facility, warehouse process and path optimisation and linking to SAP R3 were able to be successfully realized through the deployment of the WAMAS warehouse management and control system.

In the dual channel high rise warehouse stacker cranes with telescopic load pick-ups from Lagertechnik Wolfurt are used. The two gangways differ in that gangway 1 is set up for double depth storage; gangway 2 is for the single storage of EURO pallettes. The high rise warehouse is connected by palette conveyors at four levels on two production floors, the goods in and out, and to the chilled storage in the basement. Three transfer carriage vehicles are the connecting interfaces between the high rise warehouse and production building.

Thanks to the WAMAS warehouse control system transport units to be stored and placed on the conveyors are automatically identified and conveyed into the high rise warehouse. The transport units can be traced at any time with the order data supplied by sap. The chaotic storage of the transport units in the high rise warehouse is also optimally controlled by the WAMAS warehouse control system on the basis of equal distribution on both gangways, article classification and fast-slow mover criteria. In parallel the selection of the transport units by FIFO date and stock type is defined in the retrieval process by the WAMAS warehouse control system with the aid of the predetermined SAP order data and fed to the predetermined destination production warehouse, ramp or chilled storage.



“A user-friendly facility, warehouse process and path optimisation and linkage to SAP R3 were able to be successfully realised.”

Technical Data:

HRW L x B x H:
47.3 m x 13 m x 22.5 m
Warehouse volume: 2,600 pallettes
Material flow storage and retrievals:
I-points: 20 pallettes/h per I-point
Transfer carriages, warehouse front-zones: 40 pallettes/h
I-point chilled warehouse: 10 pallettes/h

daily operations: 8 hours
stored pallettes per day: 100 - 200 pcs.
retrieved pallettes per day: 80 - 150 pcs.
45 single cycles / h
28 double cycles / h

Up to the Minute Projects



+++ Head International GmbH, Kennelbach, A
WAMAS warehouse management system

+++ Unifix SWG Srl, Enzenberg, I
WAMAS warehouse management system with pick by voice

+++ Adeg, Salzburg, A
Rollout WAMAS warehouse management system with pick by voice

+++ Brüder Schlau, Hamburg, D
WAMAS warehouse management system with coupling to SAP, introduction of Gardinen range

+++ MVN, Neuendorf, CH
Online goods-out / picking with voice technology on the basis of the WAMAS picking system

+++ MVN, Neuendorf, CH
Central visualisation, fault reporting, logging for all employed palette lifts & conveyors

+++Festo AG & Co, St. Ingbert/Rohrbach, D
Extension of the existing facility with additional picking points, goods-in & goods-out empties buffers and an additional empties container block

+++ Pawi AG, Winterthur, CH Retrofit FA
Facility modernisation retrofit: reconstruction of the conveyor control from Siemens S5 to S7, reconstruction / extension of conveyors, palette stretcher

New Product - decision-cockpit

In view of the Spanish logistics fair SIL the mutually developed decision cockpit by maxess and Salomon automation was presented to a selected circle of customers for the first time from 23 - 26 may 2006.

The decision cockpit was conceived as a tool for corporate controlling and continuous improvement of the business processes along the entire supply chain and consists of a key performance indicator reference model, derived individually combinable indicators and a visualisation tool. The decision cockpit offers an unbeatable combination of methodology and functionality and masterfully unifies the demands of a standard solution with the required degree of flexibility.

In the decision cockpit both statistical and process-oriented indicators are collected from the various systems along the supply chain and compressed into strategic major indicators. Quantity, characteristics and storage location of the data play a subordinate role, adaptable and powerful connectors to the respective source systems perform the preparation. In the cockpit view of the start page customers receive a complete overview of the success critical indicators in their enterprisecollected in a standardised fashion and individually customised.



Through the possibility of drilldown they can here quickly and thoroughly get to the bottom of the problem areas in their enterprise. Access to the data can be direct from workstation or externally via internet.

The benefit of this new tool lies for enterprises in the realisation of considerable cost and competitive advantages. These are possible through rapid identification of problem points along the entire supply chain, through consistent linking of the enterprise strategy with area, process and employee targets and through the now systematic verifiability of target achievement with short planning and controlling cycles. Furthermore the decision cockpit reveals for the first time

time the causes of interrelationships within the processes of an enterprise and offers the possibility of cross-enterprise/wide benchmarking with aid of the indicator reference model.

maxess
systemhaus

Emmi Deep-Frozen Warehouse in Kriens: WAMAS® WMS with Warehouse Costing and Batch Tracing

The EMMI Logistik AG, a subsidiary of the EMMI group, operates several production and distribution centres in Switzerland. The EMMI deep-frozen warehouse in Kriens primarily functions as a logistic service provider for fifty clients. The WAMAS warehouse management system supports the logistic processes & warehouse costing and ensures batch traceability.

The deep-frozen warehouse in Kriens has a capacity of 5,400 storage spaces and is operated at minus 30 degrees. EMMI takes on the storage and goods distribution for 50 clients, primarily from the fruits, vegetables, meats and dairy products areas. Gastronomy, retail, Swiss industry and adjoining countries are supplied.

The existing system was replaced with the decision for and introduction of the standard WAMAS warehouse management system at the end of February 2006. WAMAS optimises and supports the warehouse processes and with the warehouse costing module offers a substantial simplification of the previously laboriously hand produced warehouse costing. To administer the first phase as cost effectively as possible online picking was initially dispensed with and paper continues to be used.

Furthermore the criteria SSCC, BBD and lot number are unambiguously recorded in the WAMAS warehouse management system enabling seamless lot tracing from manufacturer through retail to the consumers.

WAMAS is used at the warehouse in Kriens as an independent system. The three external EMMI Kriens warehouses are also managed with WAMAS.

Rapid introduction of WAMAS WMS

The primary aim of the customer, rapid introduction of the new warehouse management system, was successfully achieved on schedule. The productive launch was at the end of April. After just two days of production coaching the EMMI staff were working independently on the system. Any questions were quickly answered by telephone support.

The focus now lies in the independent control of the warehouse costing.

Additionally reports were installed providing EMMI customers precise details on stored goods and goods movements. After training of the EMMI teams various analyses and representations can be realised by the EMMI IT staff themselves.

EMMI AG

EMMI is the leading foodstuffs group in the Swiss dairy industry and produces a wide range of dairy, fresh and cheese products. With innovative lifestyle products in the areas luxuries, functional food and wellness, EMMI has made a name as an innovation leader in both Switzerland and in Europe. Abroad EMMI relies on high quality fresh products and is the specialist for Swiss cheeses thanks to exclusive cheese ranges and as the largest exporter of the classic cheeses.



“After only two days of production coaching the EMMI staff are working independently on the system.”

Facts & Figures

Storage capacity:	5,400 storage spaces in the -30°C DF warehouse, additional shock free section
Customer segment:	over 50 clients, primarily meats industry and dairy products
Vehicles:	1 narrow-channel stacker, diverse reach trucks
Employees:	manger and 1 assistant in the office, 5 staff in the warehouse
Storage/retrievals per day:	average 75 storage and retrievals per day
Movements per day:	200 - 300 palettes

Mosaic AG - new MoveRetail Partner

With their collaborative partners maxess systemhaus, Salomon Automation, Superdata, POS Systemhaus and Remira, MoveRetail offers comprehensive Software solutions for retail. With the Mosaic product portfolio, the MoveRetail service offering is considerably extended by the processes of electronic data exchange of business messages and processes between suppliers and service providers.

Mosaic was founded in 1976 as an internationally active retail company. Twelve years later the company began the development of EDI standard software under consideration of the Mosaic-patented principle of single entry. After a further eleven years Mosaic successfully went onto the stock markets. In early 2006 the Mosaic Software AG completed repositioning on the market.

Value Added for Customers

MoveRetail customers profit from software solutions such as central merchandise management, automatic disposition, warehouse management and control systems and decentral merchandise management and POS solutions. With the Mosaic EDI solution competence for large and medium companies MoveRetail can now offer their customers the electronic data exchange on the basis of highest data quality.

www.moveretail.com

WAMAS® Track & Trace - Mobile Goods and Empties Tracking

The Right Goods to the Right Customer!

WAMAS Track & Trace is a fleet management and logistic shipment tracing system depicting transport processes clearly and transparently.

WAMAS Track & Trace closes the logistic chain between the goods out at your warehouse and the goods in at your customer and also allows system supported return transport of empties and returns from customer to warehouse. It controls, monitors and logs transport processes from the distribution centre to the customer. Goods and HGV movements are logged and can be analysed in the superordinated system or directly in the Track & Trace system.

Range of services

Guided loading procedure in the warehouse and unloading procedure at the customer for both goods and means of transport through barcode or RFID.

- Driver guidance by MDE system
- Seamless tracking of means of transport through NVE
- Registration of empties and returns.
- All data is fed back to the superordinated systems
- Forwarding of new orders
- With installation of a black box in the HGV:
 - Temperature and position registration
 - Logging of all relevant data such as time, speed, temperature curve etc.



- Registration of special times, standing times and breaks during the tour
- Analysis of all data by the integrated reporting system
- Standard interfaces for superordinated systems

Benefits

- Raising quality of service
- Raising quality of goods flow
- Optimised control of vehicle pool and resources:
 - Error free deliveries
 - Reduction of paper forms for goods transfers with the customer
 - Customer's electronic signature
 - Printing of forms on mobile printer in the HGV
 - Precise driver activity logging
 - Collected transmission of all data registered during the tour
 - Tour comparison, analysis and evaluation of tour reports: Customer times, driver, empties, forwarders (external vehicle pool)

Salomon Automation in Hamburg

In May 2006 Salomon Automation opened in Hamburg the meanwhile fourth site in Germany. Three offices were occupied on the aibis® premises in Haldesdorfer Strasse. Dipl.Kfm. Hartwig Schulz leads the new site and sees, just as Jürgen Busacker, aibis manager, positive synergy effects for both enterprises.

Salomon Automation Dortmund

Expansion at the Salomon site in Dortmund is also progressing well. Eric Gastel, manager of the Dortmund site, has expanded his Team of 12 by a further six employees. Gastel's aim is to further expand Salomon Automation Germany inline with group strategy in the areas of fully automated logistic systems and software. The range of services and consulting will be considerably increased.



Salomon Automation New on the Internet



Visit us at salomon.at, salomon.de, salomon.ch, wamas.eu

ITS Class Weiz Excursion

On the 7th June 2006 15 students of the HTL Weiz visited us who have graduated from the free elective IT with Salomon Automation in the past school year. After a for the students very interesting tour through the Odörf warehouse and a presentation from Waltraud Tabernig on Salomon Automation and the career opportunities the students had the opportunity to talk to two of our employees who themselves attended the HTL Weiz.

The successful cooperation, for which we primarily the have to thank the great commitment of the project leader and responsible cooperative partner of the HTL Weiz, DI Peter Schwar, will be continued next year.



**We need reinforcements
The following jobs are currently available:**

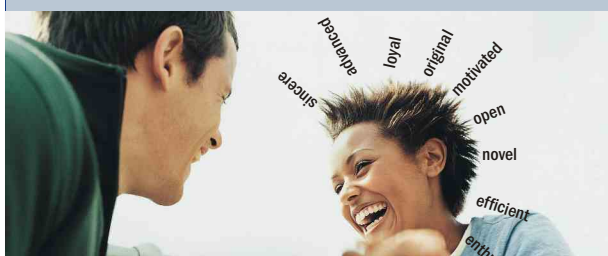
Customer Projects Application Developer M/F

Software Product Engineer M/F

Control Technician M/F

Warehouse Management Consultant M/F

Management and Marketing Assistant M/F



join the crew

job@salomon.at

Successful Recruiting Event at Salomon Automation

Under the title "Energy of Mind" the recruiting event took place for the 6th time in WAMAS City on the 10th May 2006. 65 participants followed the invitation and used the chance to get to know SalomonAutomation on site.

Prerequisites for the Salomon Automation expansion plans 120 new jobs at Friesach in the next two to three years and the extension of the sites in the core European markets are committed and qualified new professionals to internationally strengthen the Salomon Teams.

Franz Salomon presented the company and its history, informed on the field of activity, the expertise and company culture which characterised by team spirit, creativity, fun and responsibility forms the greatest success of the enterprise.

After the presentation of career opportunities the potential applicants had the chance to get to know the Salomon Management personally and inform themselves of the current positions during the career talks.

Award of Certificates for the SALOMON CLASS

On the 17th May 2006 the students of the 4th Salomon Class at the Graz BULME were awarded their certificates by Franz Salomon and Albert Burgstaller. Eleven students successfully graduated from the two year Salomon Class and will complete their school studies this summer.

The cooperation with the HTL BULME has existed since 2001 and has served as an example for many other cooperative educational schemes between successful enterprises and schools. Three Salomon Class students presented their diploma papers on the topic of emulation. The diploma paper (a special case the simulation, by which the behaviour of a machine is completely reproduced by another machine) was supported by staff from basic automation.

After distribution of the diplomas and the associated gifts in the form of cinema vouchers, all participants were invited to a small celebration, and we received thoroughly positive echoes in feedback talks. All students were very impressed by the cooperation between the BULME and Salomon Automation and 6 students would gladly take a job at our company after their national service.



Styrian BVL Logistics day Rationalisation in Logistics: figures, data and facts



For the 5th time Salomon Automation gave invitations to the Styrian BVL Logistics day at WAMAS City.

Top logisticians meet to exchange experiences, selected lecturers report from their logistic practice: "Rationalisation in Logistics, figures, data, facts" whether logistic indicators systems, economic factors in facility modernisation or the introduction of the WAMAS warehouse management system for structural improvement and cost reductions.

Date: 14 September 2006, 15.00
Venue: Salomon Automation GmbH, Friesach bei Graz

Lecturers:

Florian Bernauer, manager maxess systemhaus GmbH, Kaiserslautern, D
Roland Hanselmann, Director Logistik Ivoclar Vivadent AG, FL
Gerhard Leitner, (holder of full power of attorney), management, warehouse logistics ADEG Österreich

Events

29 August 2006
Salomon Automation at the "Forum for Technology, Standard," Bern

14 September 2006
BVL Logistics day Styria, WAMAS City, Friesach bei Graz
"Rationalisation in Logistics: Figures, Data and Facts"
Rationalisation potential through software and automated systems, practical examples from experts and users

26 - 28 September 2006
LogIntern 2006, Nurnberg
Hall: 7 stand: 7352

28 - 29 September 2006
MoveRetail at the 7th ECR day, Munich

18 - 20 October 2006
Salomon Automation at the 23rd German Logistics Congress, Berlin

30 - 31 October 2006
MoveRetail at the German Retail Congress, Berlin
"New Generation Retail and Consumer Goods Industry in Transition!"