

Agenda



- Company introduction
- Initial situation
- Solution finding
- Implementation SAP EWM/MFS
- Integration results
- Conclusion project progression

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heristo AG



- Established approximately 100 years ago
- Family-run company in the food industry
- Four strategic business areas
 - The Stockmeyer Group: meat processing
 - fine food alliance: delicatessen and convenience foods
 - saturn petfood: pet food
 - conSup convenient supplies: international trading



- Approximately 1.6 billion euros in group sales (2009)
 of which saturn petfood generated approx. 460 million euros
- Approximately 3.600 employees within heristo AG

Presence saturn petfood in Europe







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Key Figures: Scale and Range of Supply





- Total number of products: 1,335
 - Animal groups: pets dogs and cats
 - Categories: private label, premium, standard
 - Wet food, dry food, snacks and bakery products
- Delivery notes processed per year: 38,100
- Average number of pallets: 21 Euro storage positions per delivery
- EDI rate: > 40 %

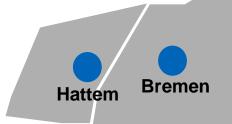


Locations saturn petfood













Nettetal



bosch saturn, Nettetal



Wet pet food Dry

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Own logistics subsidiary: serv.io







SETV_IO gmbh: Established January 2004

Dienstleistungen serv.io



- Warehouse management
 Warehouse structure, stock management, control of stock movements, inventories
- Goods receipt and goods issue processes for finished goods
 Goods receipt / goods issue posting, putaway / stock removal, picking, process support by connecting external systems
- Planning and monitoring picking and packing
 PACK services (product range creation, controlled stacking), rough workload forecast, Warehouse
 Activity Monitor and control of fully-automatic high-rack storage areas
- Integration of/connecting with saturn systems
 HU (handling unit) management, batch management, interfaces to service providers and sales/production planning, production, quality management
- Transportation processing
 Transportation planning / implementation, calculation / billing of freight costs

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Key Figures for High-Rack Storage Areas





Storage positions: 20,000 pallets

Rack aisles: 6

Rack feeders: 6

• Interleavings: 6 x 29 = 174 pallets/hour

L x B x H: 145 m x 26 m x 26.5 m

• Employees:

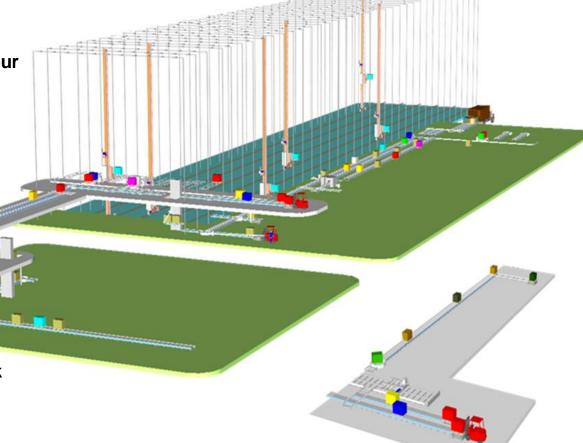
- serv.io: 21

- external service providers: 120

Ø Warehouse fill level: 86%

Stock turnover: 90% / calendar week

Ø Pallet retention time: 8 days

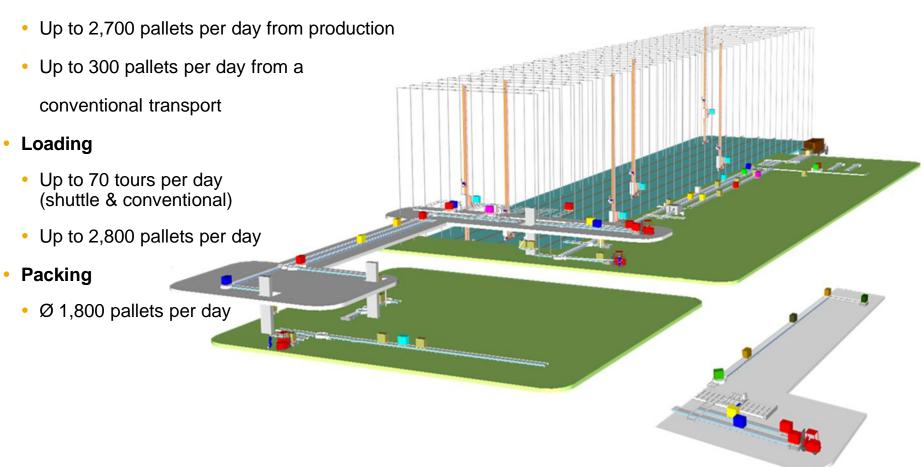


Key Figures for High-Rack Storage Areas





Goods receipt



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Need for Action



Decision:

Implementation of SAP ERP 6.0 at saturn petfood in 2010

- Because the "legacy system" was replaced by SAP ERP, a replacement solution for stock management and controlling picking and packing was required.
- It was necessary to connect the IT sub-systems for warehouse management and material flow control to SAP ERP (interfaces).
- Existing potential for optimisation in the high-rack storage and packing areas should be realised.
- Medium-term planning for handling third-party customers at serv.io requires new functions.
- At saturn, the serv.io logistics processes should be integrated at the same time as the implementation of the SAP ERP system (project risk).

Project Goals



- Align/integrate the system landscape based on SAP
- Reduce implementation risks (SAP logistics systems before SAP ERP)
- Reduce interfaces and sub-systems
- Reduce maintenance effort / costs
- Support value-added processes (picking and packing)
- Transportation planning (if necessary, also for other subsidiaries of heristo AG)
- Create prerequisites for future third-party customer business
- Optimise material flows by means of improved IT support
 - Stock removal from production / putaway (HRSA strategies, use of storage space)
 - Picking and packing (product range creation, controlled stacking, replenishment)

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Finding a Solution – Procedure (1)



1. Selection of SAP Special Expertise Partner: IGZ Logistics + IT

- Experience in distribution (SAP LES/EWM) and production (SAP MII/ME)
- > 100 references for SAP LES and SAP EWM
- > 100 SAP logistics specialists
- > 50 automatic HRSA (high-rack storage areas) / ASPSA (automatic small parts storage areas) in active operation with SAP EWM/LES
- No competitor products to SAP EWM and SAP LES (neutrality).

Finding a Solution – Procedure (2)



2. Implementation analysis for the SAP integration options for serv.io (HRSA)

- Carry out a feasibility study and implementation analysis
 - Assess ACTUAL situation (structures, processes, quantity structures)
 - Incorporate new, additional requirements
 - Outlay and time planning
- Create a rough target concept for SAP LES and SAP EWM
 - Compare the alternatives of SAP LES versus SAP EWM
 - Evaluation matrix of the solution variants
 - Differentiation according to the migration phases
 - Extend the project team to include active skilled personnel.

Finding a Solution – Procedure (3)



3. Create the bases for a decision in favour of implementing the project

- Scope of budget
- Migration strategy (big-bang versus phase concept)
 - Migration and go-live in an ongoing 3-shift operational process
 - Plant and system tests exclusively at weekends
- Project deadline scope
- Medium-term business strategy of serv.io
 - Extend warehouse and shipping capacities
 - Take on further logistics functions and services
- References (system solution, implementation partners)

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SCE architecture szenarios



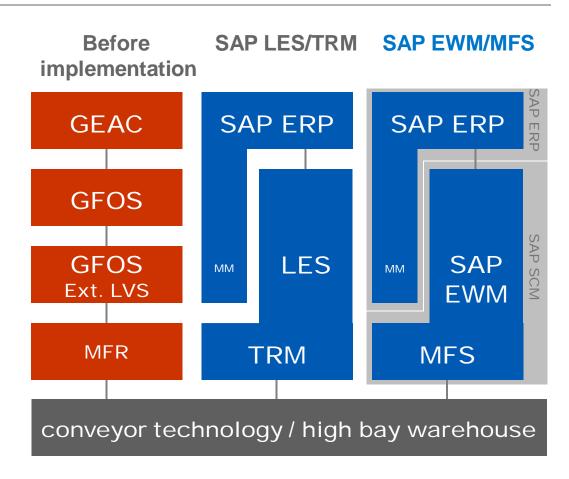
Administrative level

Packing

Warehouse Management

Material flow control

Warehouse technology



Finding a Solution – Decision (1)



Key Factors in Favour of SAP EWM

1. Complex interaction of GFOS legacy system with control level

- → Legacy system: Hardly any support options from own IT department
- → SAP EWM: Open platform with PLC standard interfaces and own IT support provision

2. Manual intervention required to synchronise stock

- → Legacy system: duplicated stock in ERP and WMS
- → SAP EWM: comprehensive assurance that stock has been accurately entered since the system is fully integrated

3. External support for controlling the legacy system is insufficient

- → Legacy system: No guaranteed support / rectification of Priority 1 issues
- → SAP EWM: System support provided by own IT resources

4. Lack of hardware compatibility

- → Legacy system: system failure risks / problems sourcing spare parts
- → SAP EWM: optimum hardware compatibility

Finding a Solution – Decision (2)



Key Factors in Favour of SAP EWM

- 5. Manual tonnage check without system support in the case of the legacy system
 - → Legacy system: overloading is possible and consequently there are liability risks
 - → SAP EWM: system-supported tonnage check
- 6. Stock transfers from HRSA with legacy system control not possible
 - → Legacy system: stock transfers would have to be carried out by the WMS
 - → SAP EWM: provides fully-automatic stock transfer processes
- 7. Further development of legacy system control not guaranteed
 - → Legacy system: further development only if the customer wishes it
 - → SAP EWM: Very future-proof and high degree of investment protection

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Implementation of SAP EWM / MFS



Phase Concept

1st phase: Ahead-of-schedule migration to HRSA on 01.04.2010

→ Minimisation of implementation risks for phase 2

2nd phase: Implementation of ERP integration on 01.11.2010

→ Recourse to experiences from phase 1

3rd phase: Use of further SAP functions

→ E.g. Transportation planning

→ E.g. Billing for services

Implementation Phase 1 – replacement LVS / MFS



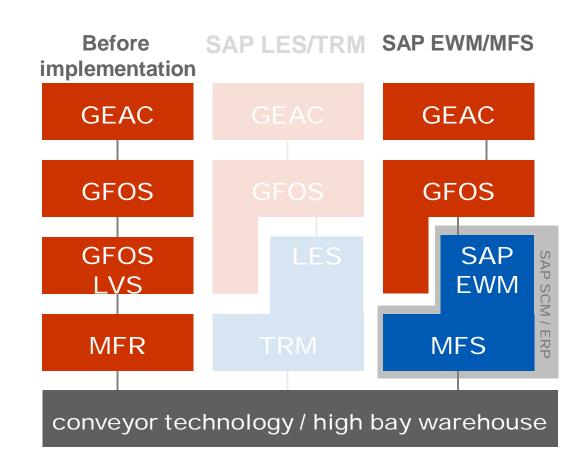
Administrative level

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Implementation Phase 2 – replacement GEAC / GFOS



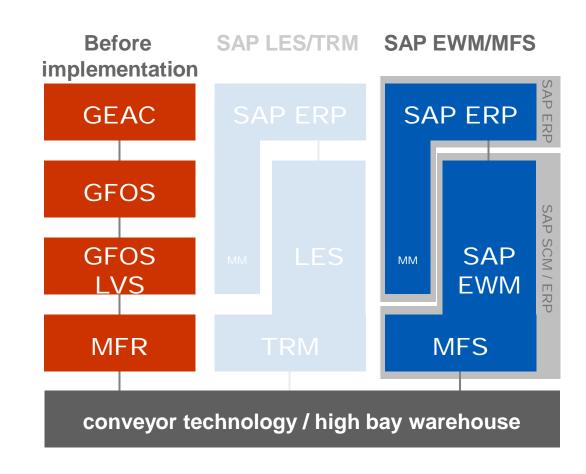
Administrative level

Packing

Warehouse Management

Material flow control

Warehouse technology



Implementation of SAP EWM / MFS



Implementation of Phase 1

- Migration of HRSA functionality to SAP EWM/MFS ahead of schedule
 - Storage bin management and material flow control
 - Putaway / stock removal strategies
 - WMS evaluations / statistics
- Basis for optimising high-rack storage areas in phase 2
- Not necessary to adapt GEAC/GFOS/PLC interfaces
- Planned go-live date: 01.04.2010

Implementation of SAP EWM / MFS



Implementation of Phase 2

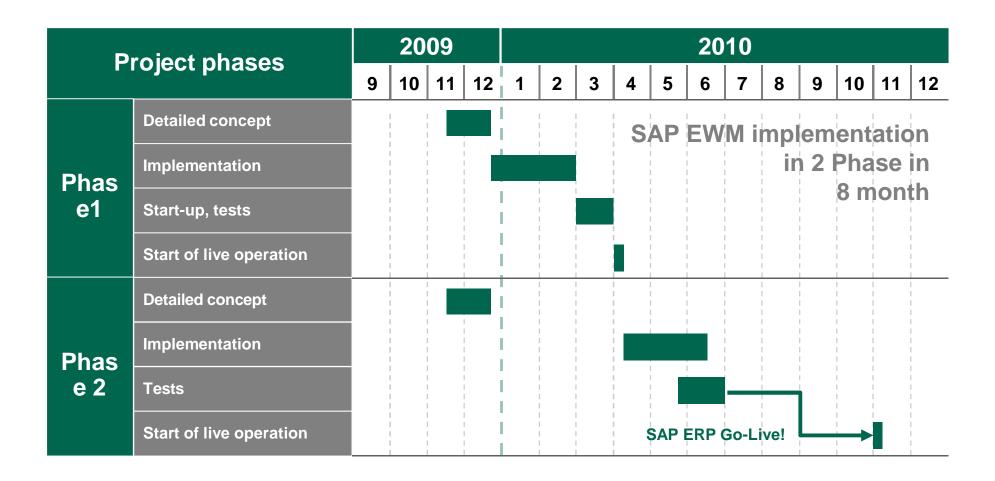
- Integration of SAP-EWM with SAP ERP (replacement of GFOS)
 - Pick and pack functionality available in SAP EWM
 - Optimisation of internal material flow by way of more detailed information
 - Greater transparency since active movements are only in one system
 - Warehouse processes for internal picking and packing can be compared with warehouse processes for processing sales orders
 - No transitional IT solution required for picking and packing
 - Future independence from SAP ERP release upgrades

Planned go-live date: 01.07.2010

Framework Schedule for SAP EWM







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Integration Results



Effects of the SAP EWM/MFS Implementation

- End-to-end integration from the SAP-ERP level to the PLC level
 → Streamlining of the system architecture
- Internal SAP interfaces tailored exclusively to each other
 → Operational reliability
- Middleware or sub-systems can be completely dispensed with
 → Independence, flexibility
- Reduction in maintenance costs for application and baseline support
 → Cost reduction
- Open platform for integrating further functions
 → Flexibility, investment protection
 - Optimised warehouse fill level, maximisation of putaway/stock removal capabilities
 - → Optimum utilisation of storage plant

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Lessons Learned



- Extensive plant and functional tests before the migration are important (also bulk tests)
- Elaboration of and training for errors and malfunctions as early as the preparation phase
- Very important to have several days of on-site support in the run-up to the go-live date
- Competent consultants required for both "sides" of the interface (SAP EWM and SAP ERP)
- For a 3-shift process, a competent and communicative hotline provided by SAP is desirable
 - Changing contact staff as a result of global OSS processing can create a long-drawn out and difficult situation if there are operational problems with the system.

Outlook



Implementation of SAP SCM platform (EWM/TM) for the service provider, serv.io

- Strategic SAP platform for the logistics service provider
- Continuous development guaranteed by SAP
- High flexibility and independence from ERP for service provider requirements

Planning for Phase 3

- Mapping of transportation planning with SAP TM
- Carrying out service billing in SAP
- Implementation of planning functions
- Connecting external customers

Conclusion Regarding Course of Project



- The phase concept is the best approach because the different stages are spaced out with a specific timeframe and risks are minimised.
- Important!
 A strong SAP integration partner with several years of SAP EWM/MFS project experience
 - Reliability of project budget
 - Adherence to promised deadlines
 - Assurance that goals are achieved from a functional point of view
 - Benefiting from project experience from other SAP EWM/MFS projects (incorporation of implementation ideas in SAP EWM/MFS).



The result is quiet impressive







A successfull team for SAP EWM!





...that's what I think.



Thank you!

Frank Wisniewski
IGZ Logistics + IT GmbH





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