



Servus in action at Zumtobel:

Initial situation:

- Long transport routes between storage and assembly locations
- Different storage locations with insufficient performance and capacity
- Increasing demands on the production logistics, shorter delivery times, smaller batches, larger product diversity and quicker product changes
- The need for a more efficient supply chain while reducing the storage areas in production
- Growing company structures, and even longer routes



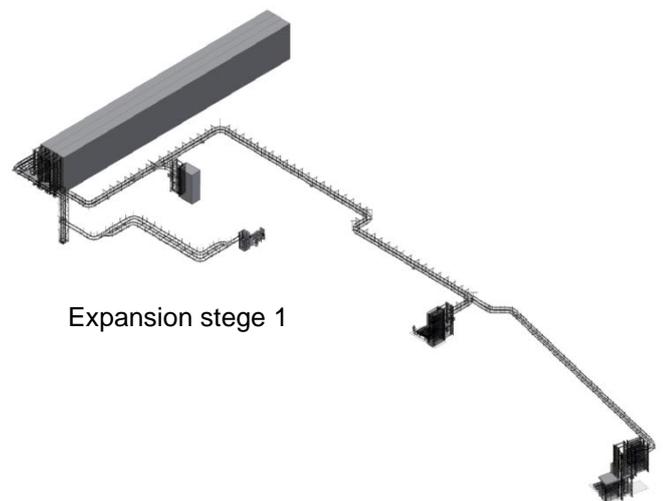
- Headquarter: Dornbirn
- Turnover: 1,3 billion €
- Employees: 6.761

Numbers and facts:

- 27 ARCs
- ASRS with 10.764 storage locations
- Decentralized picking stations in production
- 250 storage and 250 retrieval tasks per hour
- 4 picking stations incl. dynamic buffer with 108 storage locations each

Solution:

A fully automated material flow distributes the required components just-in-time directly from the ASRS to various assembly areas. Each assembly area has a dedicated picking station and each one of them has a dynamic buffer. Frequently used components are directly stored in the buffer over the picking stations. The Servus system was extended already several times and now it transports materials throughout different production halls and levels. As a result, the manual transports throughout the shopfloor have been drastically reduced and a fast access to components is guaranteed.



Expansion stage 2

Customer benefits:

- Fully automatic transport of AKL-capable goods
- Reduction of tied-up investment capital
- Immediate availability of goods after receipt
- Short access times for goods
- Reducing manual transport overhead
- SERVUS overhead routes, critical assembly floor-space is kept free for production
- Local access to all available materials
- Just-in-time delivery
- Scalability of the system in terms of performance and storage capacity
- The ability of the system to continuously adapt to changing

Pictures:



Servus transports all small parts directly and without interfaces from the warehouse to decentralized picking stations in the production area. The Servus track is installed overhead in order to save valuable space in the assembly area.