



Our Solution

Project profile

Realisation of a logistic concept with TRANSCAR LTC 2

The system ...

Commissioning:	3rd quarter 2005
System:	TRANSCAR LTC 2
Treck length:	ca. 1100 m
No. of stations:	46
No. of vehicles:	10
Control:	TCMS
Transported goods stage 1:	food, sterile goods
Transported goods stage 2:	waste, medicamentes, medical goods, etc.

The customer ...

The AKA is an evangelic hospital for the universality with the legal status as an ltd. company. It is led by the evangelic parish Bochum. Today the AKA has more then 1000 employees, 614 beds and supplies 16000 inpatients and also 20000 outpatients at 13 specialized departments all in all.

... his situation

On search of cost saving potential in the hospital they focused on the materials management and the logistical processes. The AKA had already started committing innovative concepts to optimize the structures of the processes for transporting of linen, foods and medical goods.



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Augusta-Kranken-
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At a glance

Requirements

- Cost reduction in the internal logistic processes
- Daily cart route length of approx. 112 km
- Transport schedule in the AKA of about 358 cart transports a day (approx. 180/ construction stage 1) to 16 wards, surgery area and centralized sterilization.

Strategy and project successes

- Determination needed number of vehicles of 10 pieces (8 cars in construction stage 1)
- Determination of a container buffer site
- Disburden of the personal

Future plans

- Expansion of the AGV system in the construction stage 2

Strategy

The highly complex and intensive personal employment in the transport processes have been analyzed. The actual logistic solution was compared with the future solution. A positive side effect of the planning was, that all process participants (hospitals, material administration, consulting and services) had to analyze detailed their logistic processes, material flow and transport quantities. The result was a optimized, formed and tightened transport schedule.

Requirements

Ease of use – high flexibility

Das AGV (automated guided vehicle) system must take over the automatic transports in the AKA Bochum of food, linen, waste, medical and sterile goods in carts. Any changes of the track or schedule can be done easily by adapting the software since the use of free navigation technology allows high flexibility in the facility.

Projects successes

The use of an older AGV system Transcar LTC 1 in the last years highly satisfied the AKA Bochum. With the positive experiences with the current system, Swisslog was preferred as the partner for the refit and replace the existing AGV system with a system of the newest generation Transcar LTC 2. the total expansion of the AKA was spitted in 2 contraction stages. In the 1st construction stage the food and sterile goods transportation was commissioned. In the 2nd construction stage linen and waste transports followed.

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