

Our Solution
Project profile

Realisation of a logistic concept
with the Electric Track Vehicle UniCar

The system ...

Start-up	1997
System:	UniCar
Track length:	approx. 1058 m
No. of stations:	20
No. of carriers:	44
Type of carrier:	BE SPEZ
Control:	E-MK IIITransportierte
Goods transported:	Mail, Patient records, X-Rays

The customer ...

The paediatric hospital of Düsseldorf is taking care of neonates, children and young persons who need to have any kind of a surgery. The spectrum of treatments last from easy surgeries like inguinal hernias to high sophisticated therapies for children with congenital illnesses. Looking always for the best therapies the patient treatments are determined in co-operation with the local centre for paediatrics.

... his situation

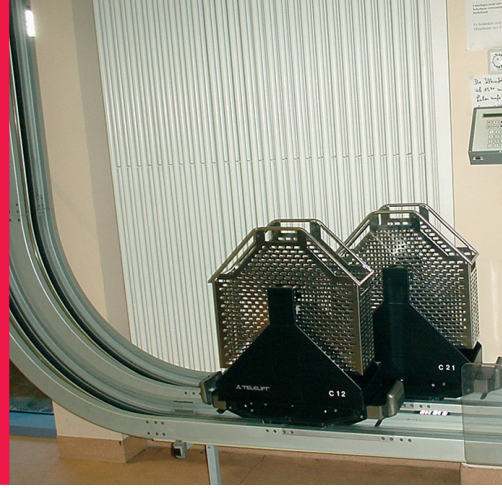
High cost pressure force all service providers to optimise their structures and processes. New concepts and solutions for higher efficiency and quality are required. Many logistic processes in hospitals can be optimised by using automated transport systems like electric track vehicles. Atomised transport logistics enables the high professional hospital labour to focus on their core business instead of doing manual transportations. In addition the system provides a higher transport quality.



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Paediatric Hospital
Düsseldorf

At a glance

Requirements

- Automated spontaneous transports
- Ensure daily transport distance of over 162 km
- Ensure 250 000 transports per year

Procedure

- Installation and start-up of a UniCar system with 44 carriers; total track length of 1058 m; total value of installation € 1.2 Mio.
- Reduction of manual transports
Cost reduction of € 275 000 compared manual transports
- Operational availability of system up to 98.5 %

Future plans

- Delivery of UniCar system for the dental clinic as from 2006; total value € 140 000
- Planning of a tube system for surgery department and laboratories for the transport of blood products and specimens

Procedure and project success

The start-up of the UniCar system was in 1997. Total length of the tracks is 1058 m. The system is mainly used for the spontaneous transport of patient records, mail, x-rays and specimens for the laboratory. Compared to a manual transport provided by special employees the system enables the reduction of operational cost by € 275 000 per year.

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