



BMW plant

Munich,
Germany

Within 21 days the record modernization of a transportation system for inside door panels in the Munich BMW plant including the dismantling of a 16 year old transportation system was realized.

The Customer, the Requirements, the Solution

Increase of performance and process safety as well as maintaining of availability – these requirements could no longer be met perfectly by the 16 year old conveyor system for transportation of interior door panels.

This is the reason why BMW had decided to have the transportation system renewed by Telelift. Within three weeks the Telelift experts exchanged the old system with a modern transportation system which meets state-of-the-art-technology.

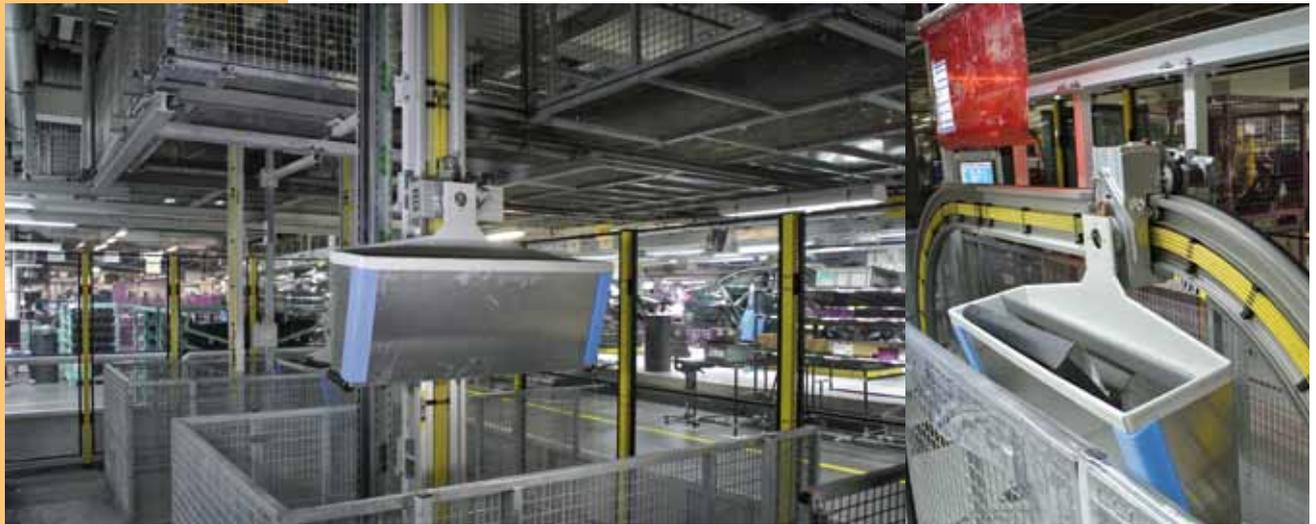
The given task was to completely uninstall the old transportation system in order to install a new conveyor system. This task included setting up the steel construction, electrical installation and commissioning of the system with new software to be integrated into the customer's internal logistics operation. The new system combines the picking area with the assembly line in an approximately 320 m long track route. The track network guides approximately 50 MultiCar transport vehicles from the ground floor via five technical floors,

passing false ceilings directly to the four delivery points at the assembly lines of door production.

The Telelift MultiCar transportation system with a speed of 0.6 m/s in three-dimensional operation is designed for payloads of up to 40 kg. With its 50 vehicles the conveyor system undertakes approx. 4,200 transports in two shifts. Space-saving horizontal and vertical track installation in false ceilings and unused vertical lines recovered valuable production space.

The system availability at BMW is 99.8 %. The transportation system is controlled by a modern PLC head control. Visualization was integrated into the customer's central production supervision. Significantly reduced energy consumption provides for cost reduction. The maintenance costs were reduced as the newly installed system is easier to maintain.

Industry

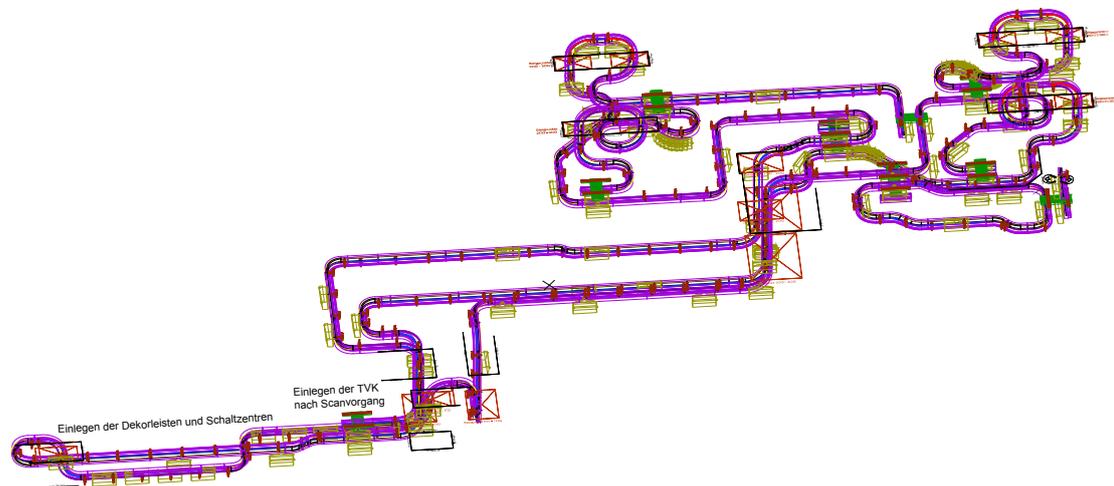


The Solution:

System: MultiCar
Track length: approx. 320 m
Transports/day: approx. 4.200
No. of vehicles: 50
Commissioning: 2012
Control: SPS TELEcontrol

Benefits:

By installing delivery stations on both sides of the assembly line the running paths of the workers were reduced to a minimum. The car manufacturer now benefits from shorter installation times and reduction of quality costs.



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