



## Summary



<b>Industry:</b>	Rail
<b>Application:</b>	Transfer cart stations
<b>Actual Saving:</b>	£113,000 per day
<b>Payback Period:</b>	8 Weeks



## Rail Cart Stations Restored Within 8 Weeks

A rail company required new drive systems with near exact output speed.

### ISSUE

A renowned rail company were looking for assistance with their 33 transfer cart stations which were causing numerous issues. The carts had been installed around 14 years ago and everyday wear and tear had taken its toll - they were worn out and falling apart.

Removing the carts would be a challenge as they were imbedded into the conveyor system - the removal schedule had to fit into a small shutdown window so production would not be affected.

To exacerbate the problem, many of the parts were non-standard in the UK and slightly lower quality, thus not robust or durable enough for the working environment. The customer expressed a desire to have the cart rebuilt to a high specification.

### SOLUTION

Following an in-depth inspection of the transfer cart stations, it was confirmed that the cart frames were in a serviceable condition, however all components would still need to be removed and replaced.

Following a detailed discussion it was decided that a Premium Stephan drive would be the best solution. The robust and easy to maintain unit has a unique ratio which gives the required output speed, allowing each cart to be synchronised exactly.

Fortunately the manufacturer used a European footprint for the drive which was built in Germany, making life a little easier, and replacement drives with a near identical output speed could be manufactured on an eight week lead time. All rebuilt or new carts will now be issued with a unique serial number which will be linked to an easily identifiable bill of material to.

### OTHER BENEFITS

- Fast commissioning thanks to coordinated components
- Safety through controlled manufacturing processes
- Robust and easy to maintain

### FURTHER COMMENTS...

The customer is extremely happy with ERIKS Engineers ordering and fitting the parts and lead time of 8 weeks.

### MORE INFORMATION

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