



## Summary



<b>Industry:</b>	Metals
<b>Application:</b>	Furnace Door Gearbox
<b>Actual Saving:</b>	£345,960
<b>Payback Period:</b>	Undisclosed



## ERIKS finds quick solution for Steel Mill in need of help

Major failure on a gearbox at Steel Mill resolved efficiently to significantly reduce downtime

### ISSUE

A steel mill in the North East of England suffered a major failure on a gearbox which operated a furnace door. This caused serious production issues, resulting in a 60% loss of manufacturing capacity. ERIKS were contacted to investigate the options available as the capacity reduction was costing around £19,000 per shift. Providing a quotation for a "like for like" replacement was problematic, the Italian manufacturer was on the annual August shutdown and no reliable information was available.

The engineers at site attempted to carry out some local remedial work on the failed unit, but this proved unsuccessful. ERIKS were contacted and the local Drives CCC Engineer was able to visit site within the hour. After carrying out an initial site inspection a dual course of action was agreed, the failed unit would be fully inspected at the local ERIKS EMS Workshop and a new replacement Fenner unit would be specified.

### SOLUTION

Within a short period of time it became apparent that the option of a new replacement gear motor unit was preferred. Working in conjunction with the on site Project Engineer the ERIKS Engineer was able to quickly specify a suitable replacement. As the replacement was not dimensionally interchangeable full technical and dimensional information was provided to enable the necessary modifications to be made at site. ERIKS built a new replacement unit within 4 hours and delivered to site early the same evening.

From receipt of the original call the whole process took three days, however from the point of identifying that the quick-fix repair hadn't worked to the new unit being delivered to site was only 24 hours. This project demonstrated the ERIKS know-how and the One-ERIKS ethos with the local Service Centre, Core Competence Centre and two EMS sites cooperating to get the customers plant up and running in such a short time frame.

Once the Customer's problem had been resolved ERIKS arranged for the original faulty gearbox to be returned to their Specialist Repair Centre at Dudley where a detailed inspection will take place followed by a full report. This will provide details of both Repair and Replace options, which ever proves the most economical. This will then enable the customer to have a fully working spare and avoid any expensive downtime in the future.

### OTHER BENEFITS

- ERIKS Know-How
- One ERIKS

### FURTHER COMMENTS...

ERIKS engineers supported us on site working alongside our technicians. Various solutions were offered to get the plant up and running and this hands on approach was much appreciated. We were up and running as ERIKS understood the priority of getting us back to full production.

Materials Manager

### MORE INFORMATION

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know-how makes the difference

