



## Summary

<b>Industry:</b>	Quarrying & Mining
<b>Application:</b>	Feed hopper conveyor
<b>Actual Saving:</b>	£326,000
<b>Payback Period:</b>	Immediate



## Production Restored in Days, Not Weeks, with Gearbox

An obsolete variator unit replaced by a more efficient and reliable Fenner Series M Geared Motor reduces downtime and much more

### ISSUE

A large quarrying and mining business found their production had come to a halt after their variator unit on their feed hopper conveyor had failed. The unit was unable to empty the aggregate material which fed into the process.

To add to the complexity of the issue, the design of the unit was obsolete and with time ticking their production levels and delivery schedules were at significant risk.

A solution needed to be found quickly, so the unit was immediately sent to ERIKS' Electro Mechanical workshop where its application was examined and our engineering experts set to work assessing repair or replace options for the customer.

### SOLUTION

Following the initial inspection on the variator unit, it was quickly determined that a repair would be very expensive and sourcing parts would take several weeks.

Recognising the negative impact this would have on the business, the ERIKS team sought an alternative solution in the form of a Fenner Series M geared motor coupled with a Fenner QD:Evo inverter.

As the unit was not dimensionally interchangeable the specifications and drawings were sent to the customer, along with details on the repair option, so the customer could select their preferred solution and give final approval.

The Fenner unit was deemed a more than ideal solution for the troublesome drive, offering superior efficiency and reliability compared to the obsolete design, with added benefits including savings on energy and running costs.

The Fenner unit was supplied from stock along with new sprockets and chain for the final drive. It was fitted by the customer's maintenance engineers and the line was back in production within a couple of days rather than weeks.

### OTHER BENEFITS

- Improved quality and control
- ATEX certified
- DryFit gear-head enables motor removal without spillage
- Increased efficiency and reliability

### FURTHER COMMENTS...

The customer is thrilled with the new Fenner Series M geared motor, helping improve efficiency and reliability whilst reducing downtime.

### MORE INFORMATION

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