



Summary

Industry:	Other
Application:	Clay Hammer Mill Bearing Houses
Actual Saving:	Shutdown Avoidance
Payback Period:	Immediate



Facing the Brick Wall of Obsolescence

ISSUE

A brick manufacturer experienced a catastrophic bearing failure which destroyed their housings, leaving them at imminent risk of factory shutdown.

The bearing failure occurred on their clay hammer mill which powders clay before exclusion, if they were unable to get the machinery up and running in good time the factory would have to be shut down until repairs were completed.

To make matters worse, the housings which had been destroyed had been made obsolete by FAG over 20 years ago, meaning getting back up and running would not be a straightforward task.

SOLUTION

The best option was for ERIKS to redesign the bearing housing from scratch. In doing so, the team were able to add in some design elements to improve reliability.

The improvements included the redesign of the bearing to be made from solid steel, instead of the less robust original material. ERIKS also changed the design to be grease lubricated rather than oil preventing reoccurrence of the same problem which caused the failure.

Five 150kg housings were designed, made and fitted within 6 weeks, preventing the potential shutdown of the brick factory.

OTHER BENEFITS

- Improved design and reliability
- Quick turnaround for critical components
- Avoided costly shutdown

FURTHER COMMENTS...

ERIKS were able to prevent factory shutdown by redesigning and manufacturing the housings in a good time frame, all while delivering design improvements to give the customer additional benefits.

MORE INFORMATION

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