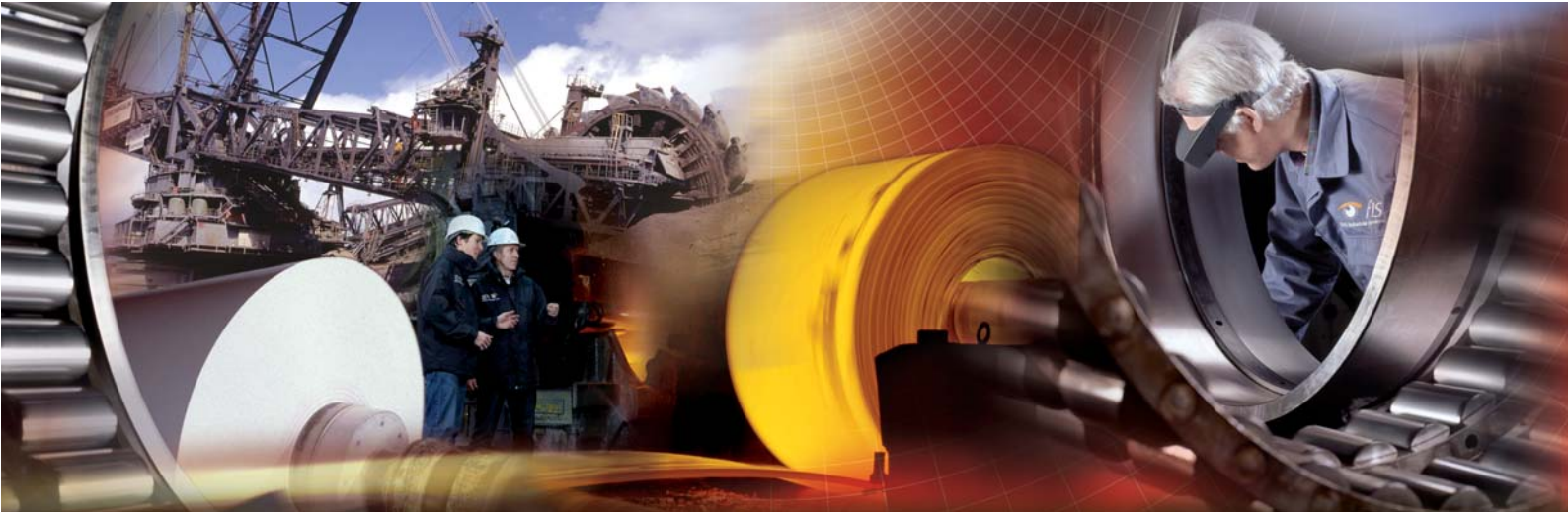


Smart Performance Program



Monitoring and Balancing Using FAG Detector III

Industry: Linoleum production

Customer: Armstrong DLW Group, Delmenhorst (Germany)

Armstrong DLW Group is active worldwide and produces various types of floor coverings. At the Delmenhorst site, it has approx. 500 employees and produces linoleum floor covering from naturally occurring raw materials.

Challenge for Schaeffler

Vibration analysis was previously carried out using a measuring pin. In this situation, it was not possible to either store the data or to carry out more detailed analyses. Any balancing work required took a great deal of time. This relied principally on the practical experience of employees, since there was no system available for automated operational balancing.



Schaeffler Solution

After initial vibration measurements and balancing work, a two month test phase was agreed using FAG Detector III with appropriate support provided by FIS. During this period, several assemblies were successfully balanced and the customer decided as a result to adopt the FAG Detector III and use it in the plant.

Customer Benefit

- Reliable detection of incipient bearing damage, imbalance and alignment defects using the FAG Detector III
- Time savings on carrying out necessary balancing work and optimisation of the previous balancing procedure
- Optimisation of maintenance and prevention of unplanned downtime
- Additional recording of measurement data on regular routes that can be analysed at a later date

What's special

The FAG Detector III is the suitable device for detecting imbalance, alignment defects, rolling bearing damage and gearbox damage. Other areas of application for FAG Detector III include pumps, electric motors, fans, machine tools, compressors, gearboxes, spindles etc. Its unbeatable price/performance ratio makes it unique in the field of offline plant monitoring.

Technical Information about the Solution

Monitoring system:
FAG Detector III

Characteristics:

- Parallel monitoring of vibration and temperature
- Static and dynamic balancing on site
- Wide range of analysis and presentation options
- Easy and comfortable to use



Contact details for worldwide contact persons as well as further **Smart Performance Solutions** can be found on our homepage
www.smartperformanceprogram.com