

F'IS Newsletter

May 2008



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Avoiding shutdowns of a sintering plant

One of the largest crude steel producers' in Germany wanted to avoid shutdowns of its blast furnaces due to production disruptions in the sintering plant. The plant operator uses an FAG DTECTX1 to monitor the vibration of six vibrating screens in the sintering plant's cold screening area. The independent monitoring units are connected to the monitoring centre via a glass fibre network. In addition, F'IS provided a customised training programme. It comprises condition monitoring training on the customer's own machines as well as support in the analysis and evaluation of the measured data via e-service. This not only increases plant availability but also permits the company to schedule maintenance activities efficiently and for convenient times. The customer benefits from reduced repair and maintenance costs.



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Mounting service on paper machine

Thanks to the quick help of F'IS experts, a globally operating manufacturer of cardboard boxes and other cardboard products was able to save production disruption costs in the order of € 40,000. During one of their regular vibration measurements with an FAG Detector III, the customer's personnel detected damage in an m.g. cylinder bearing. The customer's maintenance team was not able to do this extra work within a short space of time. So the urgent bearing replacement was carried out three days later by a team of F'IS mounting experts. They replaced the bearing in next to no time using FAG mounting tools (FAG Hydraulic Nuts, FAG Hand Pump Set). Had the replacement been carried out by the customer's personnel, this would have meant a considerably longer scheduled shutdown as well as significant production disruption costs.



[More info \(click here\)](#)

Chatter mark detection at rolling mill

A leading producer of strip steel with rolling mills in Germany and France detected slight chatter marks in the rolled stock produced by one of its Sendzimir rolling stands. The customer enlisted the services of Schaeffler experts to determine the cause. They installed a version of the FAG DTECT X1 online monitoring system for chatter mark detection. The customer rented the system for six months during which Schaeffler experts analysed the measured data. The customer liked the advantages offered by the system and decided to buy it. Since the introduction of permanent condition monitoring at the mill, the number of steel strips of inferior quality has decreased significantly. In addition, the detailed, permanent documentation of the mill's condition helps the customer to avoid unscheduled shutdowns and mechanical problems.

**Any further questions?
Get in touch with us...**

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