

# F'IS Customer Newsletter

March 2006



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## Safely through the Summer

A condition check of the drive system of a Brazilian cable car at the beach of Camboriu saved the operators the cost of an expensive preventive inspection. The measurements conducted with the Detector II and the analysis by the Brazilian F'IS experts showed that the drive system was in a perfect condition. So the usual preventive inspection, which is to ensure safe and trouble-free operation during the Summer, did not have to be conducted. An inspection of the drive system, which weighs more than 10 tons, costs ca. \$ 20,000. Moreover, the inspection would have meant a few days' interruption of service as the drive system would have to be dismantled and taken to a workshop for the inspection.



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

## Vibration monitoring of a hot saw in England

Constant availability of a hot saw in an English hot rolling mill is now ensured by vibration monitoring. As the machine is monitored by an 8-channel FAG DTECT X1 device around the clock, the operators can be sure that there will be no unplanned downtimes. Avoiding such downtimes is of enormous importance as the rolling stock - beams that can be up to 150 m long - must be sawed into suitable lengths while hot, i.e. directly after rolling. The decision to have a condition monitoring system installed has long since paid off for the operators: For example, some gear damage was detected at an early stage so that a costly unplanned stoppage could be prevented. In addition, the customer benefits from the fact that the vibration monitoring technology helps to detect quality problems with the saw blade, e.g. broken or dull teeth.



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

## Video endoscopy in a Spanish cement plant

When the operators of a Spanish cement plant were having problems with premature bearing failures in a coal mill, they decided to have all the bearings in the coal mill checked thoroughly by the F'IS expert team to be on the safe side. An absolutely necessary decision as the failure of even a single bearing would have caused an additional fuel cost of about € 30,000 per day. As the plant does not keep a stock of spare bearings, a failure of the coal mill would make it necessary to use oil as fuel. After carrying out the video endoscopy, the F'IS experts could give them the all-clear as bearing damage could definitely be ruled out.

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

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