

# F'IS Customer Newsletter

May 2005



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## F'IS monitoring system in huge cement plant

F'IS has received an order to provide a monitoring system and monitoring services for a cement plant in Saudi Arabia, underlining its worldwide service presence. The cement plant, built by Polysius AG (ThyssenKrupp Technologies), produces 10,000 tons of cement clinker per day and is one of the biggest in the world. The F'IS monitoring concept for this plant aims to prevent unplanned shutdowns by means of the proven FAG VibroCheck online system. With a total of 109 measuring points, the system monitors, among others, gear and rotor bearings, ball mills and separators. A tele-service contract was concluded to provide additional security from unplanned shutdowns. The contract includes remote monitoring of the cement plant by the Herzogenrath diagnosis center. Moreover, on-site training of cement plant personnel is part of the contract.



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## F'IS service of the month: bearing mounting around the globe

No matter where in the world, whenever FAG is asked to assist customers in the mounting or replacement, repair or inspection of bearings, the team of F'IS fitters will be at the customer's disposal. For example, the operator of a Chinese steel mill asked F'IS to mount a spherical roller bearing and housing onto the trunnions of a converter. Correct mounting of these bearings is of particular importance as they have to reliably perform the rotary motion that tilts the vessel to pour out the liquid steel. After overcoming a few problems, such as procuring 500 liters of oil, which proved to be rather difficult, for an oil bath to heat the bearing in, or a two-day gas failure, mounting was successfully completed after ten days to the customer's full satisfaction.



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## TempCheck PLUS: Quick and accurate temperature measurement...

Measuring temperatures is very easy with the new FAG TempCheck PLUS. This handy device measures the infrared radiation emitted by a body and calculates its surface temperature on that basis. This non-contact measurement method is ideal for easily determining the temperature of even hard-to-reach or moving objects. The measuring instrument is very light and can be taken almost anywhere. Typical applications are electrical and mechanical maintenance, heating installations, air conditioning, ventilation, car diagnosis, electrical systems and household appliances.

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

**FAG Industrial Services**  
phone +49 2407 9149 0  
fax +49 2407 9149 59

**Kaiserstr. 100, 52134 Herzogenrath, Germany**  
email [sales@fis-services.de](mailto:sales@fis-services.de)  
[www.fis-services.com](http://www.fis-services.com)