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## SKF showcased latest turbo-machinery solutions at the Hannover Fair

### **SKF launched its magnetic bearing E300V2 control cabinet for turbo-machinery and highlighting the advantages of its S2M active magnetic bearing technology at the Hannover Fair 2015**

SKF, the knowledge engineering company, launched its latest magnetic bearing E300V2 control cabinet for use with a wide range of turbo-machinery at this year's Hannover Fair. There was a virtual display of the new system, showing the advantages of SKF active magnetic bearing technology for use in large turbomachinery.

The new E300V2 is a digital electronic control cabinet that replaces an earlier version; 650 units of which have been installed at different sites around the world.

The E300V2 is a modular system for improved reliability and maintenance and incorporates a number of important new features. These include remote monitoring and diagnostics, redundancy of key components, backup UPS and a high-resolution data acquisition system. The latter monitors operating conditions, such as rotation speed, vibration and temperature in real time, allowing engineers to visualise rotation orbits, with 3D waterfalls and graphs showing spectral analyses, time snapshots and other critical parameters. It has embedded tools, qualified on sub-sea projects, for remote access that allows performing analysis and adjustment of operating parameters.

2/...SKF showcased latest turbo-machinery

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Askar Gubaidullin, Business Development Manager for SKF Magnetic Mechatronics, explains, "SKF has worked closely for many years with the world's leading manufacturers and operators of onshore, offshore and sub sea turbo-machinery.

The new E300V2 is the culmination of this knowledge and experience, offering the opportunity to minimise costs while improving reliability. Its optimised control system reduces commissioning time of the rotation equipment. Moreover, the new system provides plant operators with high degree of autonomy".

These advantages are extended still further through the use of SKF S2M Magnetic Bearings. These can increase the operating range of turbo-machines, allowing rotation at higher-speeds with much greater operating flexibility. When used in integrated motor-compressors they eliminate the need for lubrication, thereby reducing the footprint and maintenance, and also eliminate gear boxes, seals and auxiliary cooling systems, to cut capital and operating costs.

SKF S2M active magnetic bearings have more than 1,000 references in large turbo-machinery around the world, in centrifugal compressors, turbo-expanders, gas turbines and motors. [www.skf.co.za](http://www.skf.co.za)

*SKF is a leading global supplier of bearings, seals, mechatronics, lubrication systems, and services which include technical support, maintenance and reliability services, engineering consulting and training. SKF is represented in more than 130 countries and has around 15,000 distributor locations worldwide. Annual sales in 2014 were SEK 70,975 million and the number of employees was 48,593. [www.skf.com](http://www.skf.com) ® SKF and SKF Insight are registered trademarks of the SKF Group. SKF EnCompass is a trademark of the SKF Group.*

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