MBScope and SKF @ptitude Observer
Commissioning software and online condition monitoring for SKF magnetic bearing systems
MBScope

Enabling operators to maximize equipment availability using real time diagnostics and enhanced service tools

During factory testing, system set-up and configuration, MBScope allows OEMs and end users to collaborate with SKF to gain more autonomy and reduce costs. MBScope gives users at many skill levels the ability to monitor and diagnose their equipment in real time, putting greater availability and savings in reach. Access to high speed data and powerful visualization tools enable operators to better understand the performance of their equipment, as process conditions change.

With MBScope users can easily verify that the SKF magnetic bearing system meets API 617/ISO 14839 requirements and is ready for operation. Prior to re-start, MBScope enables quick verification of system health using our one-click shaft clearance check and stability analysis.

For users who require more support, MBScope allows for SKF experts to remotely adjust the parameters of the magnetic bearing systems, without hardware configurations.

Benefits:
- Shorter commissioning time on site
- Improved equipment reliability and availability
- Easier verification of API standards
- Real time diagnostics for reduced downtime and optimized performance
- Quick assessment of system health with user friendly tools
- Remote access to data and SKF support

E300V2 cabinet
@ptitude Observer

Optimize system reliability with autonomous monitoring and data that’s easy to see and share

SKF @ptitude Observer enables advanced condition monitoring of systems equipped with SKF magnetic bearings. The software can be easily integrated with existing SKF or third party systems to provide a complete, plant-wide on-line condition monitoring solution. Applications ranging from critical turbomachinery with magnetic bearings to general process machinery operating on conventional bearings can now be monitored with one integrated system.

The E300V2 magnetic bearing control cabinet connects seamlessly to SKF @ptitude Observer, processing data directly from the cabinet to alert operators about impending problems. The software manages historical data for one machine or several hundred, and offers advanced monitoring and automated notifications for many bearing measurements, including position, bearing load, temperature, voltages and more.

Benefits:

- Powerful predictive maintenance
- Quick access to equipment status via online dashboard/cloud based platforms
- Minimized equipment life cycle cost
- Easy integration with existing plant systems
- Powerful visualization tools to track equipment performance and efficiency
- Effortless customization using flexible measurement, alarm and warning level settings

Optional SKF cloud storage

SKF Remote assistance

Firewall
SKF Life Cycle Management is our proven approach for maximizing productivity while minimizing the total cost of machine ownership over every life cycle stage. For SKF magnetic bearing systems, MBScope and SKF @ptitude Observer support this approach from installation and commissioning to long-term operation.