



# SKF @ptitude

Asset Management System



Integrated technology for  
overall equipment effectiveness

# ap•ti•tude (ăp'tī-tōod)

n., quickness in learning and understanding; intelligence



SKF @ptitude  
Asset Management System



You know the “@” symbol as your portal to the worldwide web. Now SKF invites you to get to know it as your gateway to achieving world class asset management efficiency and effectiveness.

Introducing the SKF @ptitude Asset Management System, a complete, integrated suite of enabling technologies, engineered to help you achieve overall equipment effectiveness.

Based on technology proven successful in industrial facilities of all kinds, all around the world, the SKF @ptitude system is different from other systems you may be considering in a number of important ways:

**SKF @ptitude is knowledge-engineered.**

The system is built on a century of SKF machine reliability expertise – and the experience of our customers in every industrial sector.

**SKF @ptitude is integrated.**

All hardware and software components are designed to work seamlessly together.

**SKF @ptitude is scalable.**

Start as small as you want, and add to the system as your needs and goals change.

**SKF @ptitude is comprehensive.**

Many other companies can provide certain components. SKF offers an unmatched breadth of asset management tools, condition monitoring technologies and reliability, engineering, and consulting services.

Before you invest in any new asset management technology, ask yourself if you would benefit from a system that enables you to:

- share data seamlessly across functional lines
- reduce learning curves
- avoid software platform compatibility issues
- build the expertise of your most senior people into your decision support system
- replicate your success at other facilities
- enable you to not only extract the right data from your machinery, but turn that data into intelligence you can use to optimize life cycle costs.

If the answer is yes, the answer is SKF @ptitude.

# Engineered with decades Yours, and ours



At first glance, all condition monitoring tools and technologies look pretty much the same. It's what they enable you to do that sets them apart.

Unlike other systems, the software and hardware components of the SKF @ptitude system were developed with 100 years of SKF knowledge and experience. As the world's leading bearing manufacturer and a trusted partner to original equipment manufacturers of every type of industrial equipment, SKF has an intimate understanding of the factors affecting machine reliability.

We've built this knowledge into the SKF @ptitude Asset Management System to make it more valuable to you.

Just as important, the SKF @ptitude system embodies the experience of professionals like you. Close working partnerships with our customers have given us a unique understanding of the processes and challenges specific to every major industry – from power, paper, and petroleum to mining, metals, and food and beverage. And everything in between.

This knowledge, gained from decades of application-specific experience, has been engineered into our hardware and software.

So it's really not surprising that our customers have so much success with the SKF @ptitude Asset Management System. Because in a way, they helped design it.

Knowledge-engineered

of knowledge



# One integrated platform for hardware and software, everywhere

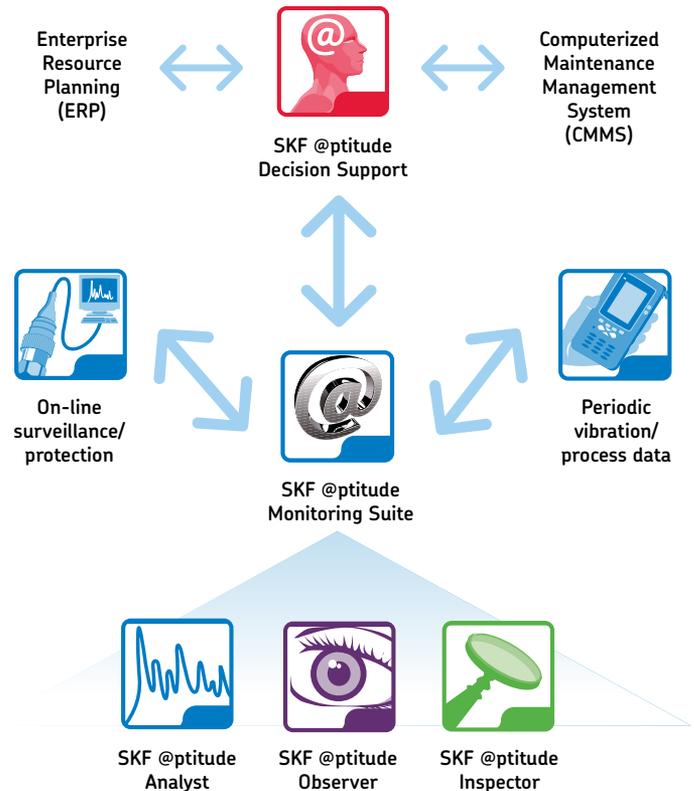
Every successful manager knows that it's not enough to hire good people. For optimum results, you have to get them to work together.

Same with your asset management system.

The hardware and software components of the SKF @ptitude Asset Management System have been designed to work together seamlessly – with each other, and with your facility's CMMS.

With one software platform that supports cross-communication, SKF @ptitude enables collaboration between your maintenance and operations departments, ultimately allowing a more effective, comprehensive asset management programme.

Simply put, the SKF @ptitude system works together so your people can, too.



*Already using SKF condition monitoring tools and software in your operation? Step up to SKF @ptitude for additional benefits and ease of use.*

## Hardware

### Sophistication meets simplicity

In too many industrial facilities, it is common to find condition monitoring equipment stored away in cabinets and dusty old boxes that haven't been touched in years. The reason? Perhaps the equipment was just too complicated to use. Maybe it was difficult to translate collected data into useful, actionable information. Or the technology just became obsolete.

The SKF @ptitude system is designed to change all that. Incorporating the latest advances in condition monitoring technology, SKF data collection devices are designed for ease of use, and simple updates as needed. And all are supported by SKF @ptitude Monitoring Suite software, which provides a seamless interface to CMMS, ERP and other plant-wide systems.

The SKF @ptitude system includes:

- hand-held machine vibration collectors/analyzers
- portable computers for collection, storage and review of machine condition and process data
- on-line systems for continuous machine surveillance and protection



*LEFT: The SKF Microlog product line includes portable data collectors/analyzers for use by maintenance and operations.*

*RIGHT: The SKF Multilog product line includes permanently installed sensors for continuous on-line monitoring.*



## Software

### Condition monitoring software

Consisting of three modules – Analyst, Inspector, and Observer – the SKF @ptitude Monitoring Suite forms the basis for a completely integrated approach to condition monitoring, permitting fast, efficient and reliable storage, manipulation and retrieval of large amounts of complex machine and plant information. Designed from the ground up with robust open databases and the familiar Windows® interface, this powerful software accepts data from the full range of SKF data collection devices and interfaces with SKF @ptitude Decision Support to facilitate consistent and reliable decision-making.



### Decision support

SKF @ptitude Decision Support is a dedicated decision support software that links with a range of data sources to facilitate accurate, timely, and consistent decision making and work order notification – within a single plant or across multiple facilities.

By fusing knowledge from diverse sources, SKF @ptitude Decision Support provides the information essential to effective machine and process analysis, diagnosis, reporting and corrective action. Overall plant efficiency is improved by replacing labour-intensive data analysis with an automated process that identifies the probability of specific faults within an asset or process and then prescribes appropriate action.

# Modularity makes it easy



While industrial facilities face many of the same application challenges, their asset management strategies may be quite different, and in varying stages of development.

Whatever the size of your plant or the scope of your asset management programme, the modularity of the SKF @ptitude Asset Management System enables you to build on your success, and benefit from the system's scalability.

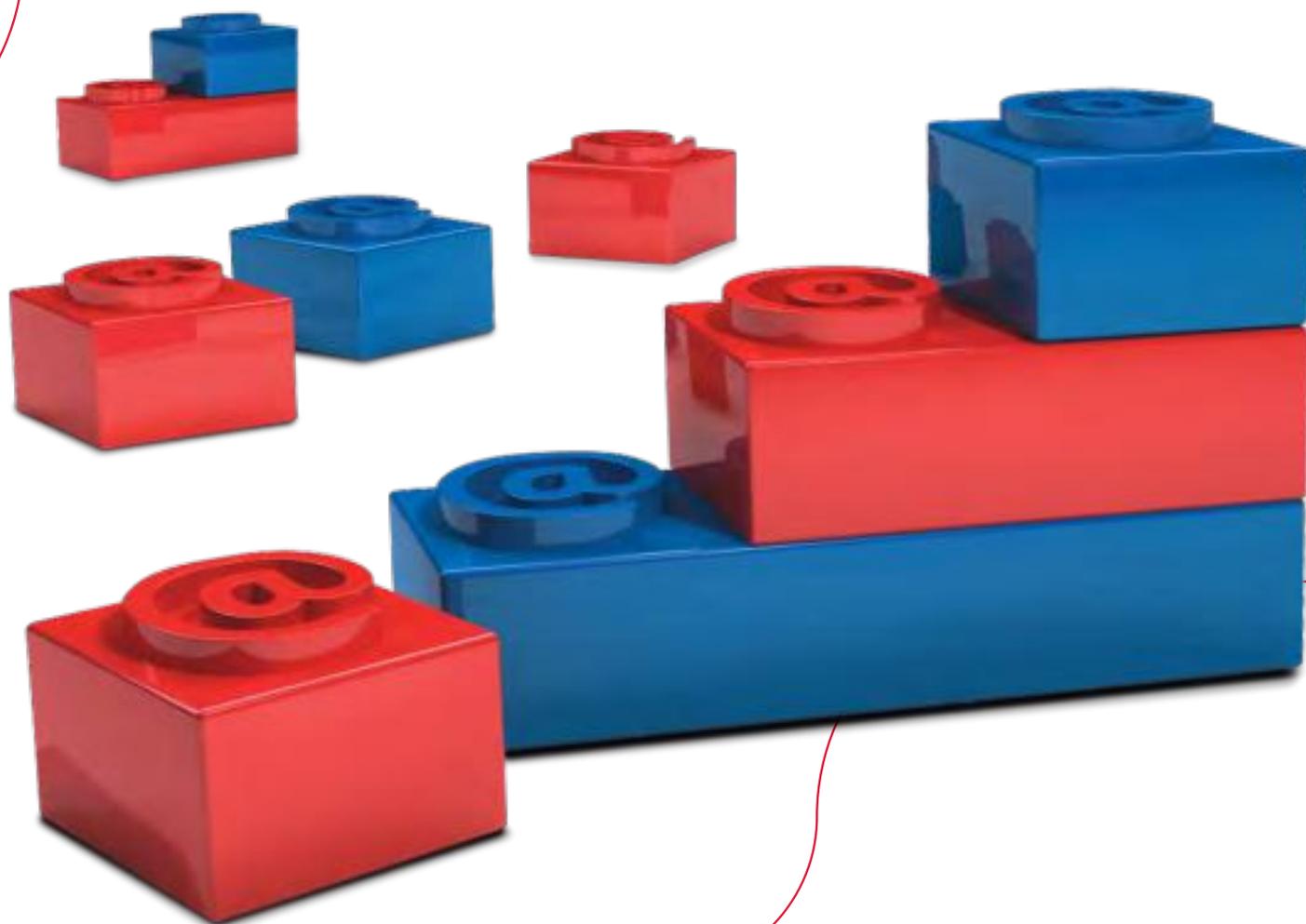
Start with one critical machine, and expand your programme to include other machines, a complete line, or your entire plant. Then build on your success by rolling your programme out to multiple plants, nationally or even globally.

With one common platform across the board, SKF @ptitude makes it easy to add equipment or software modules as needed, without the usual learning curve. And easy to upgrade components as functionality is refined or expanded.

For example, you could choose to start with a minimal programme of portable, periodic vibration detection, and later add permanently embedded sensors that communicate machine data 24/7. You might want to expand your programme with technology that involves your operators in your plant's maintenance strategy. And, ultimately, link all your facilities to SKF @ptitude Decision Support software, for effective, consistent decision-making worldwide.

In other words, whatever the current stage of your asset management programme, SKF @ptitude can meet your needs today, and grow with you tomorrow.

to build on your success



# How many experts does it take to optimize your plant assets?



To optimize your plant assets, you could bring in a number of specialists and draw on their individual areas of expertise.

One for hand-held condition monitoring devices. One for on-line surveillance or protection. Another to integrate all of the different software you'll need and perhaps train your people to use it. And still one more to develop a decision support system that ties it all together and links to your CMMS. But the result can be lost time, increased cost, and system incompatibilities.

Or you could bring in SKF and benefit from working with one experienced partner who can supply all of the technologies you need, plus the services that can help you develop and implement your programme.

Standing behind the SKF @ptitude Asset Management System is a team of professionals dedicated to providing engineering knowledge, products and technical skills to industrial customers who want optimized performance from their operational equipment.



We can help you assess your needs, develop strategies, and implement any of a proven portfolio of SKF programmes enabled by SKF @ptitude technology. These include Proactive Reliability Maintenance (PRM), Operator Driven Reliability (ODR), and Integrated Maintenance Solutions (IMS), to name just a few. These programmes are supported by a full array of reliability and engineering services, from training and mechanical services to sophisticated machine upgrades.

In addition, SKF provides a complete range of high-level asset management consulting services, from strategic planning to life cycle costing. Our clients include some of the largest and most successful companies in the world.



The SKF @ptitude Asset Management System is a proven example of the Power of SKF Knowledge Engineering. To explore all the ways SKF can help you optimize your plant assets, talk to your SKF representative or visit [www.skf.com/aptitude](http://www.skf.com/aptitude)

## Asset management services

- Strategic planning
- Assessments and benchmarking
- Achieving business goals
- Risk analysis
- Maintenance strategy review
- Spares and inventory management
- Asset performance
- Work logistics
- Application engineering
- Maintenance engineering
- Reliability engineering
- Maintenance management systems
- Life cycle costing



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