



## SKF Streamlined Reliability Centered Maintenance (SRCM)

### Benefits

- **Improved plant efficiency** through increased performance in availability, quality, productivity, output, reliability, OEE or other key targets.
- **Enhanced cost control** by focusing maintenance resources on essential assets
- **Resources aligned** with operational goals, including industry safety and hygiene regulations
- **Greater environmental integrity** by following specific targets for reductions in use of water, energy and lubricants
- **Creates team synergy** by integrating production and maintenance goals and efforts

### Typical applications

- **Can be applied in any food and beverage plant**



The SRCM process involves a rigorous review of key functions and component criticality based on Failure Modes

*SKF Asset Management Services focuses on Strategize, Identify, Control, Execute and Optimize. The SRCM process fits into the Strategize facet and offers benefits throughout the continuum.*

### Targeting overall plant efficiency while keeping waste reduction, safety and environmental issues in focus

Achieving operational success in food and beverage manufacturing is extremely challenging. Asset reliability and controlling costs are critical, yet attention must also be focused on key goals related to safety, energy usage, waste reduction, productivity and more. Many plants employ Total Productive Maintenance (TPM) methods to enhance overall equipment effectiveness. However, TPM alone cannot clearly define how maintenance resources should be allocated in order to meet specific business goals – and the consequences if they are not.

SKF Streamlined Reliability Centered Maintenance complements TPM efforts. SRCM is a strategy tool that identifies the equipment most critical to achieving operational goals. It enables the optimization of plant efficiency, while at the same time targeting available financial and human resources to fulfill critical objectives related to productivity, safety, waste reduction, environmental factors or other areas. SRCM helps to assure that the equipment most critical to the success of the operation receives the highest level of maintenance attention. At the same time, it helps prevent expenditures of financial and human resources, on non-essential assets.



and Effects Analysis (FMEA). Plant operators and maintenance staff are provided with an actionable plan of predictive, preventive, condition monitoring and failure-finding or functional-test tasks that can be implemented to attain key operational objectives based on asset criticality. SKF can also provide the additional tools, technologies or services necessary to implement the recommended maintenance strategy.



## Increase the return on your maintenance investment with SKF

The whole idea behind the SKF 360° Solution programme is to help you get more out of your plant machinery. Whether your goals include lowering maintenance costs, raising productivity, or improving safety, hygiene and sustainability, SKF can assist. Following is an example of the SKF 360° Solution programme at work in the food and beverage industries.

### Manufacturer achieves 99% overall equipment effectiveness with SRCM

A food and beverage manufacturer set a goal of achieving Overall Equipment Effectiveness (OEE) of 97% within a 12-month period. The manufacturer wanted to better align Total Productive Maintenance activities to business goals, eliminate costly failures and timebased intrusive maintenance, optimize resource allocation and make better use of the plant's Computerized Maintenance Management System (CMMS). The manufacturer knew that using traditional methods to achieve these goals would be time consuming and costly.

SKF created a core team that included members of the manufacturer's operations, maintenance and engineering teams. Using SRCM methodologies, supporting SKF software and tools, SKF conducted a maintenance strategy review over a one-month period and recommended a strategy. During the next 12 months, the reviewed maintenance strategy was implemented with support from SKF.

As a result, the operator surpassed his initial goal, achieving an OEE of 99%. Preventive and autonomous maintenance tasks were reduced, while new maintenance tasks were defined. The existing CMMS was made more effective by utilizing it as a tool for work planning and scheduling. In addition, the SRCM process resulted in the creation of a highly effective cross-functional team of maintenance and operational employees.



### Summary\*

Improved OEE to 99% in one year

Preventive maintenance tasks reduced by 60%

Autonomous maintenance tasks reduced by 20%

Return on Investment achieved after two months

\* All numbers are rounded off and based on customer estimates. Your particular cost savings may vary.

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