



Optimize your plant's maintenance strategy with SKF's SRCM process

Benefits

- Reduce maintenance costs
- Increase productivity and profitability
- Transform maintenance from a cost to a profit centre
- Treat maintenance as a strategic process
- Make positive changes to maintenance culture
- Capture knowledge base of plant personnel
- Create a documented maintenance programme based on business goals
- Conform to SAE JA 1011 standard for reliability centred maintenance processes

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



Proven process provides reliability centred maintenance benefits faster and with fewer resources, than traditional programmes

SKF's SRCM process in power plants

Whether your plant is under construction, recently commissioned, or several decades old, SRCM process from SKF can improve your maintenance strategy. SRCM is a step-by-step process that helps identify what is important, define what to do, and facilitate continuous improvements. Successfully applying this process for over 20 years in power plants enabled SKF to develop a set of best practice templates for a variety of power plant assets. These templates facilitate faster asset assessment and maintenance task development when combined with plant specific knowledge.

Identifying functional failures and analyzing criticality

Working closely with your personnel, SKF can help your facility identify the criticality of equipment generally those that impact production, safety, or regulatory compliance.

In-depth failure cause analysis with maintenance recommendations

For critical equipment, SKF selects dominant failure causes associated with an asset that need to be addressed through a planned maintenance programme. The maintenance tasks needed to prevent them are determined through a combination of your plant's history and the SKF best practice templates.

A planned maintenance programme for non-critical assets is developed by determining the cost benefit of maintaining these assets proactively. In other cases, performing only corrective tasks is appropriate.

Results

The results from an SRCM analysis include clearly identified preventive, predictive and/or condition monitoring tasks, schedules, and responsibilities. Outputs also typically include an updated asset register and data that can be used in your computerized maintenance management system (CMMS).

For more information about SKF products and solutions for the electric power generation industry, contact your SKF representative.



Increase the return on your maintenance investment with SKF

The whole idea behind the SKF 360° Solution is to help you get more out of your plant machinery and equipment investment. This may mean lowering your maintenance costs, raising your productivity, or both! Here are two examples of the SKF 360° Solution at work in the electric power generation industry.

SRCM process helps reduce equivalent forced outages by 30 % across fleet of plants

The problem

Following several years of cost-cutting measures, a utility was experiencing reliability and performance issues fleet wide, across twenty-seven coal and gas-fuelled operating units at fifteen power plants. To help decrease equipment failures and better focus its maintenance resources, the utility looked to SKF for help.

The SKF solution

Using the SRCM process, SKF worked closely with the utility to design a proactive maintenance programme for all key plant systems. After studying plant systems over a 30-month period, SKF developed a planned maintenance programme that:

- Focused maintenance on critical equipment and dominant failure mode
- Emphasized condition-based tasks
- Eliminated unnecessary routine and outage tasks
- Reduced maintenance costs
- Improved availability and reliability

The results

The SRCM process was a success, with the utility ultimately reporting a:

- 30 % reduction in equivalent forced outage rate (EFOR)
- 7 % increase in peak-period reliability
- 30 to 40 % reduction in high-priority corrective work

SRCM process helps new combined-cycle power plant get started on the right path

The problem

While constructing the new plant, the plant staff decided it was imperative to design, develop and implement a total maintenance programme and process before the first day of commercial operation. Key to the success of the plant's ability to meet contractual requirements was developing the proper maintenance strategy that could be executed by the small plant staff.

The SKF solutions

SKF performed an SRCM study to define equipment importance and associated maintenance tasks. This was augmented with all needed information for planning and scheduling of the tasks. Finally, all data was loaded into import tables that directly populated the plant's CMMS.

The results

- Complete planned maintenance programme established in CMMS prior to commercial operation
- Clearly defined predictive maintenance, functional testing and operator activities
- Solid maintenance programme and strategy to achieve business goals

