SKF Asset Management Services

Root Cause Analysis

Root Cause Analysis (RCA) is a valuable business process for improvement in manufacturing and production operations. Applicable to reliability problems, safety incidents and quality problems, RCA represents one of the greatest opportunities in reliability program development. There are a wide range of RCA approaches, tools and techniques to uncover and model the real causes of problems. Success requires a broad understanding of management processes, structured problem solving and behavior.

Using Root Cause Analysis methodology, your SKF Asset Management Services consultant can help to:

- Identify a problem.
- Contain and analyze the problem.
- Define the root cause of the problem.
- Define and implement the actions required to eliminate the root cause(s).
- Validate that the corrective action has prevented recurrence of problem.

Benefits include:

- Increased machine reliability.
- Reduced unplanned downtime.
- Establishment and enabling a continuous improvement program and culture.
- Improved maintenance mindset.
- Reduced repair costs.
- Sustainable solutions.
- Significantly less firefighting.



Root Cause Analysis from SKF

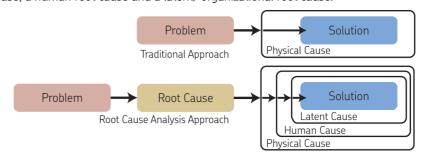
Root Cause Analysis seeks to identify the sequence of events leading to failures and creates a plan to help prevent future failures. The Root Cause Analysis is based on the theory that every failure stems from three causes: physical or technical causes; human causes such as errors of omission or commission; latent or organizational causes that stem from the organization's systems, operating procedures and decision-making processes.

What is a Root Cause?

Root cause is defined as the causal or contributing factors that, if corrected, would prevent recurrence of the identified problem:

- The factors that caused a problem or defect and should be permanently eliminated through process improvement
- The factors that set in motion the cause and effect chain that creates the problem
- The true reason that contributed to the creation of a problem, defect or non-conformance

The true root cause always exists as some combination of a physical/technical root cause, a human root cause and a latent/ organizational root cause.



Proven experience and expertise

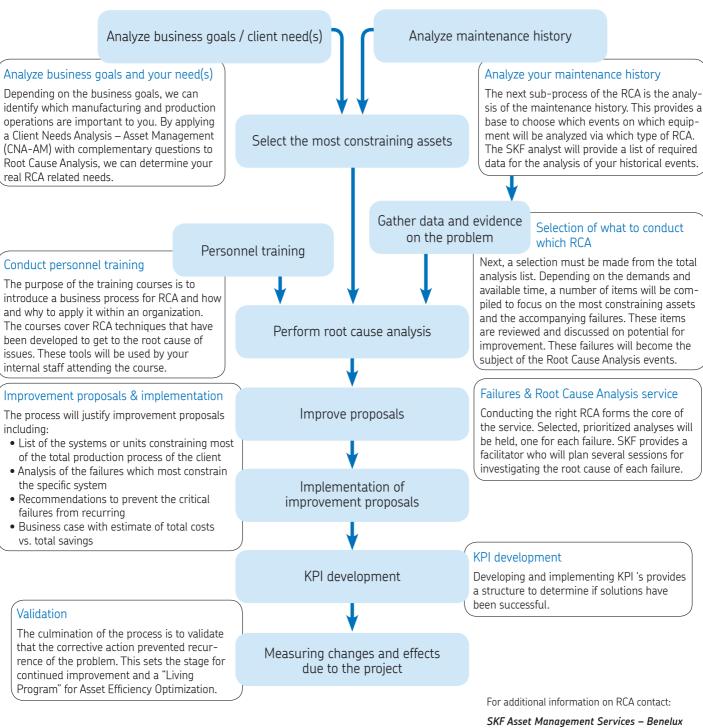
SKF is uniquely qualified to assist clients based on their experience and expertise in Root Cause Analysis. SKF has successfully helped companies to reduce their downtime, failure amount, failure frequency and failure costs. SKF's Documented Solutions Program uses root cause analysis calculation to predict what specific benefits should be, their magnitude and timing. SKF Asset Management Services can not only help clients with the analysis of failures but also initiate and implement a continuous improvement program.

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



Root Cause Analysis

Investigating the root cause of each failure



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