



Why SKF training?



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Maintenance strategy

Maintenance strategy involves the evaluation of work activities in relationship to a facility's business objectives, a procedure that creates the documented basis for the maintenance program.

- MS 200 - Introduction to Asset Management
- MS 210 - Proactive Reliability Maintenance
- MS 230 - Maintenance Strategy Review
- MS 300 - Asset Reliability Improvement
- MS 332 - Reliability Centered Maintenance



Work identification

Work identification is where "work" is identified from the evaluation of a comprehensive flow of data in conjunction with an integrated decision making process. A comprehensive Predictive maintenance techniques are the key to the success of work identification.

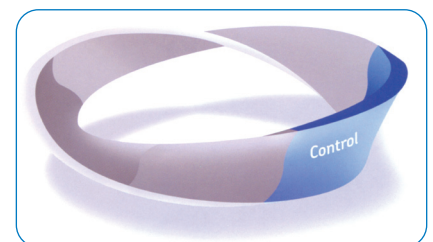
- WI 201 - Introduction to Vibration Analysis
- WI 202 - Vibration Analysis Category 1 (ISO 18436-2)
- WI 203 - Vibration Analysis Category 2 (ISO 18436-2)
- WI 230 - Introduction to Infrared Thermography
- WI 240 - Introduction to Static Testing and Dynamic Motor Monitoring



Work control

Work control involves establishing procedures for planning and scheduling the work identified by the CMMS. Tasks are organised based on several parameters, including time and condition, job plans or procedures, man-hours required, data feedback, special requirements, and many other factors.

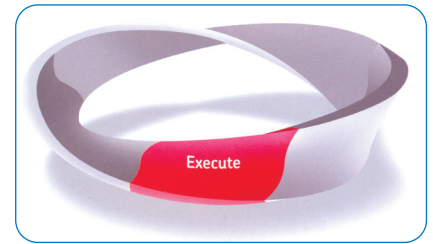
- WC 230 - Spare Parts Management and Inventory Control



Work execution

Work execution is where identified, planned and scheduled work is performed. Once work is completed, feedback from the field plays a key role in measuring the overall effectiveness of the Asset Efficiency Optimisation process and making refinements for even greater efficiency in the future.

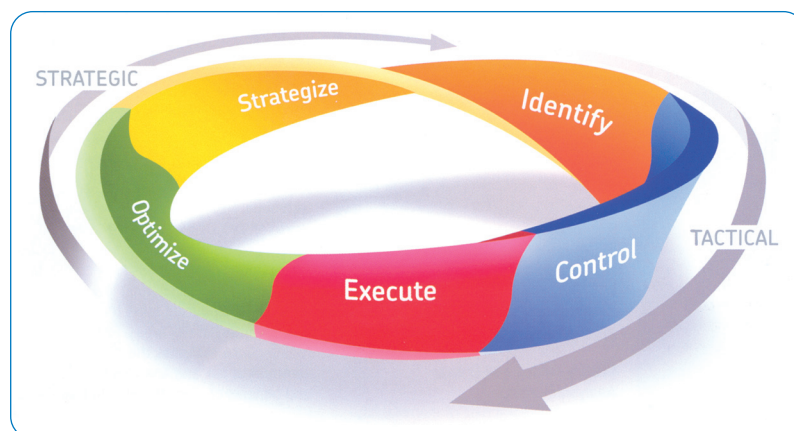
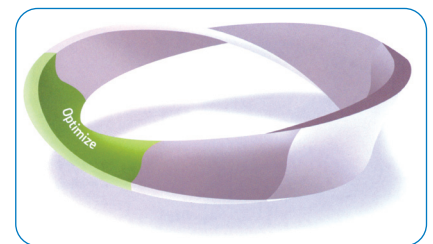
- WE 201 - Bearing Maintenance & Technology
- WE 202 - Bearings in Rotating Machines
- WE 203 - Practical Applications in Bearing Lubrication
- WE 204 - Bearing Root Cause Failure Analysis
- WE 211 - Bearing Reliability in Centrifugal Pumps
- WE 213 - Bearing Reliability in Centrifugal Fans
- WE 240 - Precision Shaft Alignment – Laser Systems
- WE 250 - Rotating Equipment Balancing
- WE 270 - Introduction to Industrial Sealing Solutions
- WE 290 - Industrial Power Transmission (belts, gears, couplings & chains)



Living program

Living program relates to methods and technologies used to evaluate maintenance work and strategy, thereby “closing the loop” and making maintenance a continual improvement process. Course topics include root cause analysis, reliability analysis, maintenance work close-out, machine redesign, and technology upgrades.

- LP 200 - Root Cause Analysis
- LP 240 - Life Cycle Costing



Bearing Maintenance and Technology (WE 201)

Recommended for

Service, maintenance, machine repair, or plant/facility engineering staff of an industrial plant, OEM facility, institution, public utility or commercial building which uses rolling bearings and related equipment. Managers and technicians at industrial plants and OEM facilities responsible for rolling bearing performance and reliability. Rotating equipment engineers, reliability engineers, millwrights, mechanics, and maintenance supervisors. Those interested in rolling bearing and rotating equipment performance.

Course objective

The course objective is to provide information to improve the service life of rolling bearings, which improves the reliability of rotating equipment.

Course description

Bearing maintenance apprenticeship uses a combination of hands-on training, audiovisuals, lectures and discussion opportunities. Specific topics include:

Bearing Basics

- history of bearings
- bearing life cycle
- fundamentals of rolling bearing technology
- bearing components, terminology
- bearing cage, types
- basic loads
- lubrication
- seal, shield
- bearing life calculations
- factors effecting the performance of rolling bearings
- bearing quality, operating environment
- installation practices
- fits and tolerances

Mounting and dismounting

- bearing mounting and dismounting procedures
- careless handling, neglected maintenance and poor lubrication
- hands-on demonstrations to correctly mount and dismount bearings

Fundamentals of lubrication

- importance of selecting the proper lubricant for an application
- maximize bearing life through an improved understanding of proper lubricating principles and functions

Bearing failure causes and analysis

- identify and interpret actual bearing failures



Course duration

3 days