MS 300 - Asset Reliabilitiy Improvement

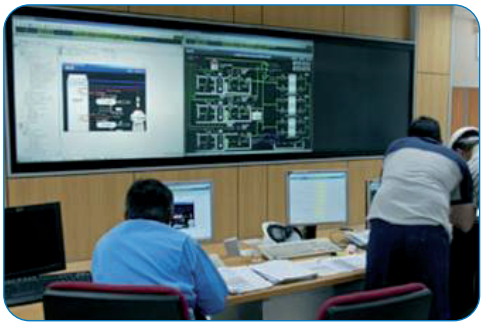
Recommended for

Maintenance and plant engineering staff, rotating & reliability engineers, maintenance supervisors and managers.

Course objective

This course provides engineers and managers with the necessary knowledge and abilities to analyze, plan and implement an asset management strategy in their organizations. Upon completion of this course you will have the knowledge to:

- Understand if and when an assessment is necessary
- Describe what type of data is required for various analysis purposes
- Recognize when root cause analysis is necessary and conduct root cause analysis
- Recognize different maintenance program strategies and how they can be optimized
- Understand how to design a change and be ready to implement that change



Course description

This course relates to methods, technologies and best practices used to develop, implement and sustain your optimized maintenance strategy and guides you to benefit from the living program for continuous improvement. The course explores the justification for your maintenance strategy; examines various strategies and helps you to optimize your current maintenance strategy or transition to a more appropriate strategy. Benefits of implementing the correct maintenance strategy include improved asset reliability, increased uptime and moving your organization from a reactive culture to a reliability focused culture.

This course helps you establish your roadmap for why specific maintenance should be done; what maintenance should be done, on what equipment and how frequently it should be performed. You can leverage this knowledge and use the information gained to refine your maintenance program and enable continuous improvement. Recognizing when a change is needed, charting that change and then measuring the impact of the change will become part of your skill set as a maintenance practitioner upon completion of this course.

Course structure and components

Participants will be introduced to asset management by a series of modules designed to progressively increase understanding of the topic. Each module is complemented by a practical case study to provide the opportunity to apply new-found knowledge and skills with guidance from the instructors. These case studies build on each other using common maintenance problems within a sample organization and often relate directly to similar problems experienced within the organization.

The asset management arena is explored using SKF's asset efficiency optimization (AEO) model. The AEO work management model consists of five facets: Maintenance strategy, work identification, work control, work execution and continually optimizing the program.

Course duration

3.5 days