# MS 200 - Introduction to Asset Management

## Recommended for

Corporate and plant management and supervision personnel responsible for plant production and maintenance performance. Plant engineering, planning and scheduling, purchasing, and reliability personnel will also benefit from this comprehensive program.

## Course objective

Provide information and training that enables corporate and plant level management to successfully implement precision and proactive maintenance practices towards a goal of improved reliability and profitability of the plant assets.

## Course description

Improving the reliability of plant machinery is the key to gaining or maintaining a competitive advantage. However, many companies continue to struggle with poor reliability in spite of repeated improvement efforts. The basis for success is changing the fundamental way maintenance is performed. Few maintenance programs have addressed this important topic. Computerized Maintenance Management Systems and condition-based maintenance programs can provide significant returns, but do little to modify actual hands-on maintenance practices. Repeated premature failures can be detected with condition monitoring and scheduled in the CMMS system at considerable savings over a run-to-failure maintenance mode. A proactive and precision approach, as presented in this course, identifies and corrects the root cause of the repeated failures. Proactive and precision maintenance goes beyond root cause failure analysis. It affects the way routine maintenance is performed on all machinery, the way machines are operated, the specification and purchase of machinery and replacement parts, and the way maintenance and production are managed. This course provides a detailed look at reliability and influencing factors and presents a practical approach to improving machinery reliability in any industry.

- The course includes the following topics, with an emphasis on solutions over theory
- Definitions of reliability based on industry and application
- Failure sources
- Beyond root cause — root prevention
- Reliability within the traditional maintenance models
- Overview of condition-based maintenance and common pitfalls
- Implementation of reliability—key steps towards positive change
- Conducting a maintenance practices assessment
- Monitoring performance and improvement—key performance indicators
- Overview of common machinery problems, their correction, and their prevention
- Precision and proactive mechanical maintenance techniques.

## Course length

2 days