Predictive Maintenance Strategies eLearning (ePdMS)

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Condition-based maintenance, built on a predictive maintenance strategy, uses equipment operating condition to make data-driven decisions and improve quality, productivity, and profitability. Beyond applying specific predictive technologies like vibration monitoring or oil analysis, this course focuses on establishing, managing, and sustaining results from a comprehensive predictive maintenance program.

The course considers predictive maintenance and other techniques as a component of a larger asset-maintenance strategy to diagnose, prevent, and postpone failures. Students will learn the theory and application of multiple PdM technologies, along with the critical success factors of results-producing programs. Using activities and case studies, learners determine which technologies to use, how to set goals for a program, track progress, and communicate results to stakeholders.

Key Topics
- How a combination of maintenance strategies mitigates risk and optimizes performance
- How risk mitigation tools are used as part of a condition-based maintenance program
- Selecting key performance indicators for maintenance strategy
- Understanding foundational PdM strategies, including vibration analysis, motor analysis, infrared analysis, oil analysis, ultrasound, and non-destructive testing
- Emerging technologies and the evolution of predictive maintenance
- Defining maintenance program objectives, measures of success, training needs, change management implications, and organizational sponsorship
- Drafting a business case for a PdM program

With built-in practical application and downloadable tools, you will be able to immediately apply what you learn in the modules.

- **Challenging learners:** learners are faced with real-world scenarios and problems in the module, requiring them to think critically, solve problems, and practice new behaviors.
- **Engaging learners:** the modules employ high-fidelity eLearning and instructional design best practices as well as incorporating media, simulations, problem solving, and branching scenarios that engage learners.
- **Driving performance:** the modules support on-the-job application by prompting action plans and suggesting follow-up tasks and tools they can download from the module.

Predictive Maintenance Strategies eLearning was designed by certified learning professionals who are also maintenance and reliability professionals (CMRP, CRL) and developed by a team of eLearning specialists using cutting-edge eLearning best practices and approaches.

Target Participant:
The course is most suited to those involved in justifying or managing duties related to a condition-based monitoring program, including Maintenance professionals, and continuing education students.

Registration:
800-556-9589
Education@LCE.com
www.LCE.com

Life Cycle Institute:
Life Cycle Institute is a recognized and respected leader in Learning, Leadership, and Change Management solutions. Be prepared to be an active learner. When you invest in training with Life Cycle Institute, you will gain knowledge and learn skills that you will be able to apply immediately. Our courses are designed to teach by doing. Your training with Life Cycle Institute is different because we offer:

- Facilitators who practice what they teach and teach what they practice
- Course content that is constantly updated with the latest proven tools and methods
- Adult learning methods that minimize lecture and emphasize learning by doing
- Classrooms that are specifically designed to facilitate learning