

## COURSE DESCRIPTION:

# Predictive Maintenance Technologies



Ineffective maintenance management costs U.S. industry an estimated \$60 billion yearly! Even more disturbing is the impact that ineffective maintenance has on a company's ability to produce cost-effective, quality products.

Predictive maintenance (PdM) programs are formed to eliminate unnecessary maintenance, improve quality and increase capacity. Most predictive maintenance programs use vibration monitoring as the key component. To be successful, a comprehensive program must include other monitoring and diagnostic techniques.

During this five-day course, you will determine which predictive technologies to use and how to apply them in an effective predictive maintenance program.

### Learn How to:

- **Explain the role of a predictive maintenance (PdM) plan in an effective asset management strategy**
- **Describe the theory, application and safety considerations of 5 PdM technologies**
  - Vibration Analysis
  - Thermography
  - Tribology (oil analysis)
  - Ultrasonics
  - Motor circuit analysis
- **Explain the importance of operator care (visual inspection) as a component of a PdM program**
- **Discuss the value of process parameters and Operating Dynamics Analysis™**
- **Map machine dynamics and failure modes**
- **Review methods to set up and manage an effective PdM program**
- **Build a business case for your PdM program**

### What Our Students Are Saying:

*"Excellent material! I was impressed with how the course stressed the importance of planning and scheduling. Additionally, my eyes were opened to the importance of specific and repeatable documented maintenance tasks."*

*- Joe O'Brien, Goodrich*

*"The facilitator is an authority in the course subject matter. He was dynamic, enthusiastic and humorous. The content was delivered in a logical manner and the facilitator made sure everyone understood."*

*- Brian Berg, Goodrich*

### Who Should Attend:

Maintenance professionals, continuing education students, and any person responsible for justifying or conducting duties related to a predictive maintenance program.

### Course Information:

Each course includes a comprehensive active learning manual, morning and afternoon refreshments, lunch, and the use of a fully equipped e-business center. Classes are held on Monday through Friday. All students completing a class at the Life Cycle Institute will receive a certificate of completion awarding 3.2 CEU's.

**Location:** 4360 Corporate Road, Charleston, SC 29405

### 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 the 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 the 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

### Registration:

**Download our class schedule** for the latest class dates and course costs or contact the Life Cycle Institute at: 800-556-9589 • [education@LCE.com](mailto:education@LCE.com) • [www.LCE.com](http://www.LCE.com)

### Private Classes:

Your training needs are unique. Unique needs may require customized, on-site training. Learn from practicing reliability professionals – on your site – at a time convenient for you – tailored for your environment. For more information please contact education at: 800-556-9589 • [education@LCE.com](mailto:education@LCE.com) • [www.LCE.com](http://www.LCE.com)