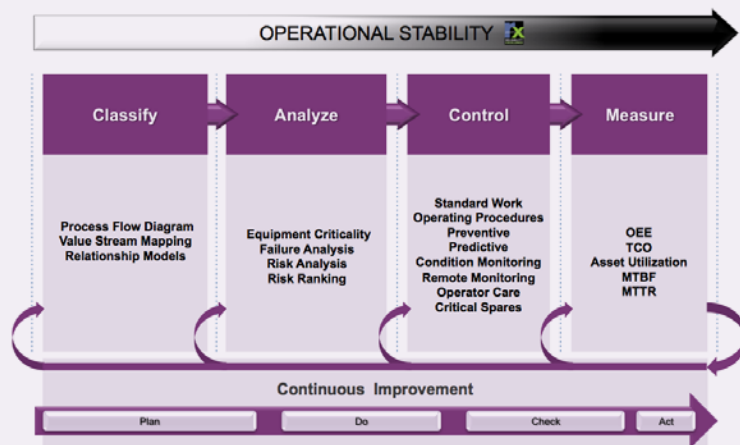


# COURSE DESCRIPTION: Risk-Based Asset Management



Risk-Based Asset Management steps you through the fundamental building blocks to create a strategy for implementing a successful asset management program from cradle to grave. During the class, receive hands-on instruction while preparing control strategies that ultimately help you reduce risk and achieve the greatest asset utilization at the lowest total cost of ownership. Risk-Based Asset Management takes a holistic approach that addresses not only infrastructure needs, but also the supporting people, business processes, data and enabling technologies critical to success.

## Risk-Based Asset Management Model:



## Learn How to:

- Describe the four phases in implementing a Risk-Based Asset Management program
- Demonstrate how to effectively classify assets
  - Interpret a current-state value stream map
  - Create asset catalogs
  - Develop a functional hierarchy
- Demonstrate methods for analyzing assets
  - Perform a criticality analysis
  - Create a block diagram (functional and reliability)
  - Perform a failure mode and effects analysis
- Map control strategies to predominant failure modes
  - List elements of an effective job plan (PM)
  - Describe the critical spares strategy
  - Develop task modules for a maintenance plan, including resource planning
  - Optimize preventive maintenance plans
  - Match predominant PdM technologies with appropriate failure modes
- List key performance indicators to effectively measure control strategies
- Calculate overall equipment effectiveness

## What Our Students Are Saying:

*"The Life Cycle Institute facility was excellent for training. The staff was a pleasure to work with and the facilitator was one of the best instructors I have studied under. He provided excellent examples, hands-on material and real life feedback. My experience was over the top."*

- Gordon Vickous, Berry Plastics

*"My experience at the Life Cycle Institute was wonderful. The content was highly applicable to my job, the facilitator did a fantastic job of providing relevant and interesting examples and the hospitality was great as always."*

- Michael Atwood, USS-POSCO

## Who Should Attend:

Risk-Based Asset Management is for people responsible for installation, commissioning, operation or maintenance of capital assets and auxiliary equipment. This includes Project Engineers, Reliability Engineers, Maintenance Managers, Operations Managers, and Engineering Technicians.

## 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 Tuesday through Thursday. All students completing a class at the Life Cycle Institute will receive a certificate of completion awarding 2.1 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 • 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 • www.LCE.com