



After attending this 3-day course, you will save time and money on your next shutdown. Our promise for this program is that you will have a new and deeper understanding of how to effectively manage large maintenance jobs such as power plant outages and refinery refits. This course is 85% concerned with the time before the shutdown begins. The remaining 15% is the execution tactics to keep the project on course.

This course includes specific checklists, procedures, strategies and important outside resources that will improve your current shutdown planning and execution. The course also includes examples to demonstrate the major points.

NOTE: While some industries use the phrases outage, shutdown and turnaround interchangeably, other industries ascribe very specific and different meanings to the terms. From the perspective of planning, however, in this course we have decided to use the terms interchangeably.

## Learn How To

- Develop a checklist of everything to consider before the shutdown and when to consider it
- Evaluate the effectiveness of your current shutdown effort
- Measure your shutdown efficiency by benchmarking with world-class shutdown strategies
- Formulate good contractor relations to further reliability
- Unearth tools and technologies that can smooth the process and create a backbone for effective plant maintenance and reliability
- Collaborate and balance out contractor engagement and in-house staff to obtain an effective workflow
- Reduce unnecessary costs incurred by properly planning, executing and closing your shutdown

## Who Should Attend

Successful shutdowns, turnarounds and outages require the disciplined application of proven processes and interdepartmental partnerships. It is important for departments that are influenced and impacted by the processes to understand them. People in the following roles should participate in this training:

- Maintenance Planner/Schedulers
- Production Supervisors
- Storeroom Managers
- Maintenance Managers and Supervisors
- Operation Coordinators
- Plant Engineers
- Outage Coordinators
- Reliability Engineers
- Facilities Managers
- Project Managers
- Asset Management Specialists
- Quality Assurance
- Procurement

## What Our Students Are Saying

"I was truly enlightened on the matters of real maintenance and all associated practices that make up the system. It has also drawn me to implement and establish a good maintenance system in my company in days to come. I appreciate most the real case studies used in class and can relate to every topic."

- **Joshua Sang, Mechanical Engineer,**  
**JAC Malaysia Sdn Bhd**

"Planning is simple. However, the majority fail to perform or execute tasks due to poor planning. This event has acquired knowledge and goal setting for my company in the future."

- **Petronas Gas Berhad, Malaysia**

## 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](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)