

Reliability Excellence for Managers

Reliability Excellence for Managers (RxM) teaches the tools and processes required to develop, implement and sustain world-class maintenance and reliability programs.

The class is delivered in four 3-day sessions with a 4 to 8 week interval between sessions. After each session, participants are encouraged to apply what they have learned to reinforce the learning and raise retention. When they return for the following session, participants share their experiences, thereby gaining a deep understanding and ability to sustain what they have learned.

At the conclusion of the class, participants will know how to apply the tools and processes of the same exclusive Life Cycle Engineering Reliability Excellence program that has been successfully implemented by leading companies around the world.

Learn How To

Describe the value of Reliability Excellence (Rx) in terms of RONA, ROC and OEE

Define the foundational principles of Rx

Create a master plan for the implementation of Rx

Identify the critical success factors in an Rx implementation

Session1 - Building the Foundation

- Interpret the elements of the Excellence Model
- Compare your organization's performance against the Excellence Model
- Outline the overall philosophies of the Rx model
- Describe how Rx applies to all levels and entities in the organization
- Define how Rx will enhance Lean, TPM and Six Sigma results
- Forge interdepartmental partnerships
- Craft a business case for Rx

Session 2 – Engaging People

- List the reasons change succeeds and why it fails
- Identify the ingredients in implementing and sustaining change
- Create an Rx Change Management Plan
- Create an Rx Communication Plan
- Create an Rx Risk Management Plan
- Build a sponsorship roadmap for implementing Rx
- Identify and adapt leadership and communication styles to achieve Rx
- Identify the impacts of low trust and the benefits of high trust on people and organizational performance
- Apply the critical behaviors that establish and grow trust

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Learn How To

Session 3 – Applying Processes

- Identify best practices
 - Work Control
 - Planning and Scheduling
 - Preventive and Predictive Maintenance
 - Materials Management
 - Operator Care
- Analyze best practices compared to current business processes
- Evaluate your ability to successfully manage the transition to Rx
- Craft the partnerships that are required to achieve Rx
- Manage expectations as you implement new business processes

Session 4 – Sustaining the Gain

- Apply Reliability Engineering methodologies such as:
 - Statistical reliability (MTBF)
 - Reliability block diagram (reliability modeling)
 - Failure Modes and Effects Analysis (FMEA)
 - Failure Modes, Effects and Criticality Analysis (FMECA)
 - Maintainability analysis (MTTR)
 - Reliability, Availability, Maintainability analysis (RAM)
 - Life Cycle Cost analysis (LCC)
 - Root Cause Analysis (RCA)
- Define Life Cycle Asset Management (LCAM)
- Describe Reliability vs. Maintenance Engineering responsibilities
- Apply loss elimination best practices to improve OEE
- Build an effective 5S and visual management program
- Evaluate best practices in budgeting & cost control
- Construct a strategy to accelerate your Rx return on investment

Who Should Attend

Reliability Excellence for Managers is ideal for managers engaged in process improvement initiatives such as Lean, TPM and Six Sigma. Suggestions include General Managers, Plant Managers, Corporate Reliability Managers, Maintenance Managers, Operations Managers and Reliability Engineers.

Rx is not only a maintenance initiative. Including operations and maintenance professionals will aid in establishing the interdepartmental partnerships that produce successful Rx programs.

Rx requires a change from a reactive to proactive culture. Including senior management will foster the high level sponsorship necessary to create the systems, measures, behaviors and interdepartmental collaboration that facilitate this culture change.



Reliability Excellence for Managers

Life Cycle Institute

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

Testimonials

“Great course! Very helpful in my endeavor to build a successful maintenance and reliability program within my organization.”

Patrick Banister, Nektar Therapeutics

“I thoroughly enjoyed the class. Life Cycle Engineering provided me with a great learning experience balanced with practical knowledge.”

Don Kupillas, Nestle Waters North America

“This Reliability Excellence course is outstanding and really helps drive the participant to develop a plan for sustainable improvements.”

Jim Tolley, Bayer

CMRP and CPMM Certification

Upon completion of the final session of Reliability Excellence for Managers, students will have the opportunity to become a certified maintenance professional by taking two certification exams:

Certified Maintenance and Reliability Professional (CMRP) by the Society for Maintenance and Reliability Professionals Certifying Organization (SMRPCO). Visit <http://www.smrp.org/> to register prior to your final session. *Note that no educational offerings are endorsed by SMRPCO.*

Certified Plant Maintenance Manager (CPMM) by the Association for Facilities Engineering (AFE). Visit <http://www.afe.org/certification.html> to register prior to your final session.

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Scheduling & Pricing

August 2010 Charleston, SC Aug 10 – 12, 2010 Oct 12-14, 2010 Dec 7 – 9, 2010 Feb 1-3, 2011	February 2011 Charleston, SC Feb 8-10, 2011 Apr 5-7, 2011 June 7-9, 2011 Aug 9-11, 2011	March 2011 Charleston, SC Mar 29-31, 2011 May 24-26, 2011 Jul 26-28, 2011 Sept 20-22, 2011	May 2011 Charleston, SC May 17-19, 2011 Jul 19-21, 2011 Sept 13-15, 2011 Nov 15-17, 2011	August 2011 Charleston, SC Aug 16-18, 2011 Oct 18-20, 2011 Dec 6-8, 2011 Feb 7-9, 2012
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Each course includes a comprehensive active learning manual, morning and afternoon refreshments, lunch, and the use of a fully equipped e-business center. Class hours are 8:00am to 4:00pm. All students completing a class at the Life Cycle Institute will receive a certificate of completion awarding CEU's.

Cost: \$5,995

CEU's: 8.4

Location: Life Cycle Institute, 4360 Corporate Road, Charleston, SC 29405

Registration: 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 or education@LCE.com.

Course Facilitators



Paul Borders

Paul Borders has more than 17 years experience as a strategic manufacturing manager. His realm of experience includes progressive expertise in top quality plant operations, quality control, safety, and environmental management. As a plant leader, Paul delivered consistent and significant performance improvements in all operating metrics: productivity, quality, safety, cost effectiveness, profitability, and employee engagement. A persuasive, respected leader and team builder, Paul is skilled in cross-functional collaboration with all operating departments of an organization.



Scott Franklin

With over 20 years experience in organizational design, change management, and a dedicated focus on delivering sustainable improvements, Scott is a well respected authority on organizational change specializing in the leadership responsibilities of change management. Scott brings specific expertise in the areas of creating a combined learning organization in parallel with a strength-based organization, while simultaneously creating a culture of execution.

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Darrin Wikoff

Darrin Wikoff specializes in project management, business process re-engineering, reliability centered maintenance, and CMMS/EAM implementations. As a “change agent”, Darrin continues to coach and mentor many of the world’s industrial leaders through the rigorous process of implementing and managing reliability improvement initiatives.