

COURSE DESCRIPTION: Reliability Excellence for Managers



Advance your career and improve your organization's performance by leading a reliability initiative. Organizations are recognizing the value of a culture of reliability and seeking leaders to help them achieve it. Reliability Excellence for Managers (RxM) prepares you to be that leader.

Many Fortune 500 companies have adopted LCE's Reliability Excellence approach for reliability and asset management. Over the past decade, thousands of people from hundreds of organizations have completed RxM.

CLIENT	RESULTS	ROI
Pharma Products	Increased capacity 15% Reduced COGS 5%	ROI > 20:1 (18 months)
Healthcare Products	Increased availability >15% Improved OEE 10% Reduced maintenance costs 20%	ROI: >15:1 (3 years)
Primary Metals (34 Plants)	Reduced maintenance spending 10% Increased capacity (% confidential)	ROI 5:1 to 16:1 (3 years)
Metals Processing	Reduced maintenance spending 20% Increased anode capacity 10% Increased aluminum capacity 4%	ROI 16:1 (3 years)
Steel	Increased capacity through OEE improvements of greater than 2%	ROI > 11:1 (3 years)
Beverage	Increased capacity of high speed process > 25% / Reduced COGS 10%	ROI > 20:1 (24 months to date)

Sample results applying LCE's reliability principles and processes

By creating a culture of reliability you can:

- Increase equipment availability
- Stabilize processes
- Reduce waste
- Improve overall equipment effectiveness (OEE)
- Lower maintenance cost
- Reduce spare parts inventory

Attributes of a culture of reliability

In the excellent article "What high-reliability organizations get right" McKinsey authors identify four attributes of high-reliability organizations:

- Robust reliability processes
- Clearly defined roles
- Institutionalized knowledge
- Executive-level accountability

The RxM Experience

RxM will prepare you with strategies and tools to achieve these attributes through

- Detailed reliability process maps, step definitions, and tools
- RACI charts and job descriptions
- eLearning for all disciplines and an on-line repository of institutional knowledge
- Executive-sponsor attributes, coaching strategies and metrics

Through three 3-day classroom sessions and practical application over nine months, RxM offers the opportunity to interact with your peers and an Rx facilitator/coach as you share knowledge, discuss obstacles, and seek feedback on your reliability journey.

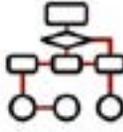
You will build a business case for Reliability Excellence. You will learn how leadership and culture impact a change initiative, and how to become a change agent to help keep your organization reliable, agile and competitive. You will discover the business processes associated with world-class performance and build a plan to strengthen and stabilize the change for reliability. Between sessions you will transform classroom concepts into business results by completing on-the-job application assignments

RXM Content

RXM's content is aligned with industry standards and governance, including ISO55000, GFMAM Asset Management Landscape and the SMRP Body of Knowledge.

RXM includes an educational license to Atlas, LCE's online reliability and maintenance system. Throughout the course Atlas Implementation Guide tools and resources will be used to apply a proven process for achieving a culture of reliability.



		
<p>Implementation Guide</p>	<p>Assessments</p>	<p>Work Process Diagrams</p>
<p>Templates, documents, and resources providing step-by-step instructions for driving transformational change in your organization</p>	<p>Targeted questions for Reliability Engineering, Work Management and MRO Storeroom Management based on LCE's maturity model to determine the current state of your operations</p>	<p>A visual representation with summaries for each step of the Reliability Engineering, Work Management, and Materials Management work process flow diagrams</p>
		
<p>SMRP prep and eLearning Modules</p>	<p>Sample Tools and Resources</p>	<p>Support</p>
<p>150 questions to prepare for the CMRP exam! Plus modules of online courses that integrate relevant content in performance-driven, self-paced online courses for each work stream, plus</p>	<p>Sample available tools, templates and resources from the Reliability Engineering, Work Management and Materials Management work streams</p>	<p>An extensive glossary, tutorials, and FAQs are available anytime along with a powerful library search function to help you easily find anything you need.</p>

RXM is designed and developed by a team of respected thought leaders and authors in reliability and maintenance. The development team members hold the most highly recognized credentials in reliability, maintenance, learning, and project management. Credentials include CMRP, CRL, CRE, CPIM, IAM, PMP, and CPLP.

When You Complete RXM

Because you will use LCE's online reliability and maintenance system, when you complete RXM you'll receive an Atlas Reliability Professional certificate. Many past RXM participants have also achieved their Certified Maintenance and Reliability Professional (CMRP) certification by sitting for the exam following completion of RXM.

Learn How To**Session1 – Develop a Culture of Reliability**

- State the driving factors in a culture of reliability
- Explain that reliability is the foundation for asset management and enables RCM, Lean, TPM and continuous improvement programs
- Conduct a reliability assessment and gap analysis
- Prepare a business case for reliability
- Develop a reliability policy, strategy, objectives, charter, principles, and scorecard
- Develop reliability roles, responsibilities, staffing, and investment
- Identify stakeholders in a culture of reliability
- Develop partnership agreements
- Explain the need for management commitment and active leadership

Session 2 – Reliability Work Streams and Change Management

- State work management, reliability engineering, materials management best practices
- Outline a work stream process improvement plan
- Prepare change management tools to engage employees in a culture of reliability
- Develop a reliability risk management plan
- List critical success factors for implementing and managing change
- Describe four change roles and their primary activities

Session 3 – Measuring and Sustaining a Culture of Reliability

- Explain how reliability leadership, organization and performance evolve
- Develop key performance indicators to drive and manage performance
- Use a dashboard to report reliability progress
- Explain how to use audits and assessments to drive continuous improvement
- Outline a quick-win strategy to maintain employee engagement during implementation
- Share reliability success stories and best practices
- Use coaching cards and gemba walks to drive accountability
- Evaluate and build reliability competency across the organization

Participants complete on-the-job application assignments between sessions.

Who Should Attend

Reliability Excellence for Managers is ideal for corporate and plant managers, as well as those engaged in continuous improvement initiatives such as Lean, TPM and Six Sigma. Suggestions include Chief Operating Officer, V.P. Operations, General Managers, Plant Managers, Corporate Reliability Managers, Maintenance Managers and Operations Managers.

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 6.3 CEU's.

Location: 4360 Corporate Road, Charleston, SC 29405

Life Cycle Institute is different because:

- 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.