

A photograph of two industrial workers in safety gear (hard hats, safety glasses, and gloves) working on a large, complex industrial valve or wellhead. The worker in the foreground is a man with a beard, wearing a yellow hard hat and safety glasses, focused on the task. The worker in the background is a woman, also wearing a yellow hard hat and safety glasses, holding a tablet. The scene is set outdoors under a clear blue sky. The image is overlaid with a semi-transparent blue and white geometric design in the bottom right corner.

ReliabilityX
THE DNA OF SUCCESS

TRAINING OFFERINGS

2026

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Training Offerings

Maintenance and Reliability Best Practices

This course offers a comprehensive overview of maintenance management, covering key strategies like preventive and predictive maintenance, Reliability Centered Maintenance (RCM), and essential analysis tools. Participants will also explore standards impacting maintenance and learn effective leadership and change management techniques. The course concludes with a review to reinforce key concepts.

Planning and Scheduling

Maintenance planning and scheduling are essential to the success of your business. This course allows you to use your Computerized Maintenance Management System (CMMS) to help you achieve 100 percent on-time completion of maintenance work—even on a budget.

Asset Strategy Development

This class covers the benefits (improved OEE and workplace morale) and steps to develop and implement an asset management strategy. Topics include asset strategy documentation, proactive workflow execution, preventive maintenance, and development phases.

CMMS Setup and Utilization

Discover how a fully functioning CMMS enables maintenance professionals and their equipment to operate efficiently. This course helps evaluate your current CMMS or consider a new one. Topics include basic terminology, system implementation, CMMS architecture, core and transactional records, value lists, and hidden features. You'll gain a deeper understanding of CMMS benefits, key selection criteria, setup tactics, and information extraction.

MRO and Storeroom Management

Manage MRO inventory to minimize ordering, storage costs, and unplanned downtime. Learn MRO best practices, methods for closing gaps, and review a case study of a company that improved MRO part availability while reducing inventory from \$14 million to \$2 million in under 2 years.

Root Cause Analysis

Root cause analysis (RCA) systematically identifies and resolves the origins of problems to prevent recurrence. Addressing the root causes of equipment failures frees up maintenance resources, making them more proactive and improving equipment uptime and performance.

Defect Elimination

Defect Elimination (DE) equips maintenance, reliability, and operations personnel with practical tools and methodologies to identify, analyze, and eliminate equipment and process failures. Participants will explore a proactive reliability culture shift, structured problem-solving techniques, and sustainable improvements that lead to increased equipment uptime, safety, and cost efficiency.

Process Development and Improvement

Learn how to build better processes that drive efficiency, reliability, and results. This course covers mapping workflows, identifying value, designing future states, and applying improvement frameworks like PDCA and DMAIC. Perfect for teams ready to move from reactive to proactive.

Visual Management and Centerlining

This course teaches how to make process performance visible and sustainable. Learn to design effective visual controls, apply centerlining to reduce variation, and build standards that stick. Ideal for teams looking to improve safety, quality, and consistency through smarter visuals and process discipline.

Operator Care

This course empowers frontline operators to take ownership of equipment health through inspections, basic care, and early problem detection. Learn how to build strong operator–maintenance partnerships, reduce breakdowns, and improve safety and reliability with practical tools and routines that drive accountability and performance.

Frontline Leadership

Build the skills to lead teams, drive performance, and improve reliability on the shop floor. This course covers communication, safety, problem-solving, and daily leadership habits that make a real impact.

The Business of Manufacturing

A fast-paced course that builds financial fluency, strategic thinking, and operational insight—equipping manufacturing professionals to drive profit, influence decisions, and connect plant performance to business impact.

Managing Manufacturing Losses

A hands-on course focused on identifying, quantifying, and eliminating the Seven Big Losses in manufacturing. Participants learn to connect downtime, speed, and quality issues to cost and throughput impact—using tools like SMED, SPC, and Pareto analysis. With a strong emphasis on data, leadership, and cross-functional problem-solving, this course builds a culture of accountability and continuous improvement.



Maintenance and Reliability Best Practices

COURSE OVERVIEW

This course provides an in-depth look at maintenance management and organizational excellence. Participants will learn the importance of maintenance, debunk common myths, and explore key terms related to MRO. The course covers various maintenance strategies, including preventive and predictive maintenance, and planning and scheduling. It also delves into Reliability Centered Maintenance (RCM) and analysis tools like Pareto and FMEA. Standards impacting maintenance, such as energy and risk, are discussed, along with leadership and change management strategies.

WHO SHOULD ATTEND?

- Maintenance Managers
- Maintenance Supervisors
- Plant Engineers
- Facilities Engineers
- Operations Directors
- Maintenance Engineers
- Capital Project Managers
- Asset/Equipment Owner

COURSE OUTLINE

Introduction: Setting the Stage

- Why do we do maintenance?
- Myths about maintenance
- Does maintenance add to the bottom line?

Defining Best Practices, Excellence, and Culture

- Defining terms related to MRO (maintenance, reliability, and operations)
- Elements of asset (equipment) performance
- Identifying stakeholders to journey to excellence

Maintenance Strategies and Practices: PM, PdM/ CBM, P&S, etc.

- Preventive maintenance (PM)
- Predictive/condition based maintenance (PdM/ CBM)
- Run-to-failure (RTF)
- Planning and scheduling
- Material stores management

Optimizing Maintenance: RCM

- History and benefits
- RCM process with some examples

Operations Role

Building/Designing for Reliability: Sustainability

Analysis Tools and Performance Measures What/ When to Use?

- Pareto, fishbone, 5 whys, etc.
- FMEA, primary tool for RCM analysis with example/exercise
- Metrics

Standards Impacting Maintenance and Equipment Care

- Standards and standardization
- Energy, environment, risk, asset, etc.

Leadership and Change Management

- Role of guru, manager, leader, and change agent
- Why change is important
- Challenges in implementing best practices

Course Review and Wrap-up



Planning and Scheduling

COURSE OVERVIEW

Maintenance planning and scheduling are essential to the success of your business. This course allows you to use your Computerized Maintenance Management System (CMMS) to help you achieve 100 percent on-time completion of maintenance work—even on a budget.

WHO SHOULD ATTEND?

- Maintenance Planners
- Maintenance Schedulers
- Maintenance Engineers
- Plant Engineers
- Maintenance Managers and Supervisors

COURSE OUTLINE

- Benefits of planning and scheduling
- Building a business case for planning and scheduling
- Understanding the roles and responsibilities of planning and scheduling. The importance of having a maintenance process
- Developing a maintenance process map
- Understanding the process around maintenance planning and scheduling
- Planning a maintenance activity
- Developing a job plan
- Determining the correct level of detail for job plan development Estimating time and materials
- Developing a field walk through team
- The role of the CMMS in maintenance planning and scheduling How to plan from your desk
- The scheduling meeting Developing a schedule
- Planning and scheduling for shutdowns
- Backlog management
- Planning metrics Scheduling metrics



Asset Strategy Development

COURSE OVERVIEW

This class will describe the benefits (including improved OEE and workplace morale) and the steps for developing and implementing an asset management strategy.

Major topics presented in this course are asset strategy documentation, proactive workflow model execution, preventive maintenance development, and phases of development and implementation.

WHO SHOULD ATTEND?

- Lead Decision-Makers for Asset
- Reliability Management
- Maintenance Management
- Managers and Supervisors
- Maintenance Planners
- Maintenance Schedulers

COURSE OUTLINE

Asset Strategy Documentation

- Aligning to business objectives
- Company mission and vision
- Department vision and goal setting
- Maintenance policy
- Operational performance
- Assessing risk
- Operational risk management plan
- Records management
- Monitoring maintenance performance
- Maintenance resource management
- Maintenance return on investment
- Strategy review
- Maintenance budget forecasting

Proactive Workflow Model for Execution

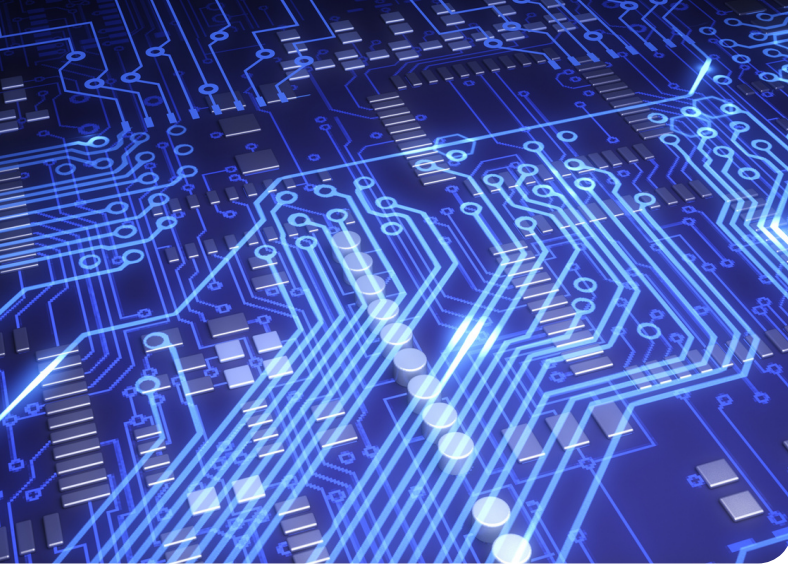
- Asset catalog
- Asset criticality analysis component
 - Level criticality
 - Spares criticality
- Failure mode analysis (RCM/FMEA)
- Equipment maintenance plan
- PM/PdM inspections
- Follow up work
- Planning
- Scheduling
- Execution
- Feedback

Preventive Maintenance Development

- Strategy development tools
- RCM
- FMEA
- PMO
- PM types/route development/standard work
- Time based
- Condition based
- Failure finding
- Risk based
- Testing
- Calibration
- Lubrication
- Adjustments

Four Phases of Development and Implementation

- Preparation phase
- Implementation phase
- Transition phase
- Sustainability phase



CMMS Setup and Utilization

COURSE OVERVIEW

A CMMS helps maintenance professionals operate efficiently. This course aids in evaluating or purchasing a CMMS, covering topics from basic terminology to system implementation.

You'll learn CMMS building blocks, including fields, tables, records, value lists, and features. Gain a deeper understanding of CMMS capabilities, system selection, setup tactics, and extracting information.

WHO SHOULD ATTEND?

- Maintenance Managers, Supervisors, and Team Leaders
- Maintenance Planners and Schedulers
- All individuals responsible for selecting, implementing, and/or maintaining a CMMS

BENEFITS

- **Comprehensive Understanding:** Gain in-depth knowledge of CMMS building blocks, such as fields, tables, records, value lists, and features.
- **Effective Setup Tactics:** Discover best practices for setting up your CMMS system to ensure smooth implementation and operation.
- **Data Extraction:** Master techniques to extract valuable information from your CMMS for better decision-making.
- **Improved Maintenance Planning:** Utilize CMMS capabilities to plan and schedule maintenance tasks more efficiently.

COURSE OUTLINE

Features, Benefits, and Challenges

- Computerized Maintenance Management System (CMMS)
- Enterprise Asset Management System (EAM)

CMMS/EAM Terminology

- Database tables, fields, and records
- Software as a Service (SaaS)
- Configuration, customization, and upgrades

Record Types

- Core records
- Components of Item Master
- Transactional records
- Integration

Implementation

- Evaluating and selecting CMMS/EAM
- Licensing considerations (number of users)
- System testing
- User acceptance testing (UAT)
- Data migration
- Legacy System Management
- Training

CMMS/EAM Best Practices

- Centralized vs decentralized
- Development, testing, production
- Database updates and maintenance
- Data ownership
- Traceability of requirements, design, system test, and UAT
- Standard work to keep the system working properly



MRO and Storeroom Management

COURSE OVERVIEW

Manage MRO inventory to minimize ordering, storage costs, and unplanned downtime. Learn MRO best practices, methods for closing gaps, and review a case study of a company that improved MRO part availability while reducing inventory from \$14 million to \$2 million in under 2 years.

WHO SHOULD ATTEND?

- Purchasing Professionals responsible for Repair, Maintenance and Operations Inventory
- MRO Store Supervisor
- Plant Managers
- Operations Managers
- Asset, Reliability, and Maintenance Managers
- Maintenance Supervisors
- Team Leaders
- Maintenance Planners
- Maintenance Schedulers

BENEFITS

- **Cost Savings:** Learn strategies to minimize ordering and storage costs, significantly reducing overall expenses.
- **Reduced Unplanned Downtime:** Implement best practices to ensure MRO part availability, preventing unexpected equipment failures and production stoppages.
- **Optimized Inventory Levels:** Understand methods for maintaining optimal inventory levels, preventing overstocking or stockouts.
- **Enhanced Efficiency:** Improve inventory management processes
- **Gap Identification and Closure:** Learn techniques to identify and close gaps in your current MRO inventory management practices.
- **Improved Asset Management:** Keep track of critical spare parts and ensure that essential equipment is always operational.
- **Competitive Advantage:** Stay ahead of competitors by implementing advanced MRO inventory management practices.

COURSE OUTLINE

Job Kitting and the Importance of the Storerooms Role

- Kitting Process
- Storage
- Delivery

Inventory Management

- Classification
- Analysis of variance by usage
- ABC Analysis
- Economic Order Quantity (EOQ)
- Replenishment and reorder methods
- Forecasting techniques
- Cycle counting strategies
- Safety Stock
- Critical Spares
- Managing obsolete inventory

Managing Supplier Controlled Inventories

- Setting vendor expectations
- Establish vendor-controlled inventories
- Establish consignment inventories
- Manage consignment inventories



Root Cause Analysis

COURSE OVERVIEW

Root cause analysis (RCA) systematically identifies and resolves the origins of problems to prevent recurrence. Addressing the root causes of equipment failures frees up maintenance resources, making them more proactive and improving equipment uptime and performance.

WHO SHOULD ATTEND?

- Maintenance Managers, Supervisors, and Leads
- Plant and Maintenance Engineers
- Maintenance Mechanics and Technicians

BENEFITS

- **Problem Prevention:** Systematically identify and address the root causes of problems, preventing their recurrence.
- **Resource Optimization:** Free up maintenance resources by resolving recurring issues, allowing them to focus on proactive tasks.
- **Improved Equipment Uptime:** Enhance equipment uptime and performance by addressing the root causes of failures.
- **Proactive Maintenance:** Shift from a reactive to a proactive maintenance approach, improving overall maintenance efficiency.
- **Enhanced Problem-Solving Skills:** Develop strong analytical and problem-solving skills to effectively address technical issues.
- **Continuous Improvement:** Foster a culture of continuous improvement by systematically resolving underlying issues.

COURSE OUTLINE

Overview of the root cause analysis (RCA)

- Elements of the RCA 6-step process
- Definition and benefits of RCA
- Key tasks for organizing a successful RCA event
- Defining roles and responsibilities
- Process for identifying and selecting an RCA event

Overview of RCA tools and workshop activities

- 5 Why
- Fishbone Diagram (Ishikawa Diagram)

Overview of RCA tools and workshop activities

- Design and Application Review
- Sequence of events
- Fault tree analysis
- Change analysis

Review tools for managing RCA event and sustaining improvements

- Project Charter
- A3 Report
- Audits



Defect Elimination

COURSE OVERVIEW

Defect Elimination (DE) equips maintenance, reliability, and operations personnel with practical tools and methodologies to identify, analyze, and eliminate equipment and process failures. Participants will explore a proactive reliability culture shift, structured problem-solving techniques, and sustainable improvements that lead to increased equipment uptime, safety, and cost efficiency.

WHO SHOULD ATTEND?

- Maintenance and Reliability Engineers
- Maintenance Supervisors
- Maintenance Technicians
- Operations/Production Supervisors
- Asset Managers and Planners
- Continuous Improvement Specialists
- Reliability Leaders
- Change Agents
- Anyone involved in asset care or operational excellence

BENEFITS

- Understand and apply defect elimination principles.
- Foster a zero-defect mindset and culture.
- Engage cross-functional teams in solving chronic problems.
- Implement sustainable corrective actions and track results.

COURSE OUTLINE

Introduction to Defect Elimination

- What is a defect? Types and sources
- Business case for DE: cost, safety, and reliability
- DE vs traditional maintenance approaches
- Reactive vs proactive mindset

Building a DE Culture

- Leadership and team engagement
- Empowering frontline ownership
- Behavioral change and mindset shifts
- Integrating DE into daily work

Defect Identification and Data Collection

- Spotting and recording defects (visual, sensory, functional)
- Failure data, CMMS usage, and operator input
- Work identification process (autonomous and planned)

Common DE Tools and Methodologies

- Pareto Analysis and failure trend review
- Tagging and tracking systems
- Real or simulated case study
- Team problem-solving
- Presenting findings and proposed actions

Developing and Implementing Corrective Actions

- Action planning and prioritization
- Creating SMART actions
- Avoiding recurrence and system-level fixes
- Verification of effectiveness

Sustaining the DE Process

- Governance and metrics
- DE review boards and scorecards
- Tying DE into continuous improvement programs (TPM, RCM, Lean)

Final Exercise & Action Planning

- Personal/team DE action plans
- Commitment to implementation
- Sharing insights and next steps



Process Development and Improvement

COURSE OVERVIEW

This course equips professionals with the tools and frameworks to analyze, redesign, and improve business processes for greater efficiency, reliability, and scalability. Through interactive exercises, real-world case studies, and practical templates, participants will learn to map current workflows, identify value, eliminate waste, and implement sustainable improvements.

WHO SHOULD ATTEND?

- Operations Managers
- Team Leads
- Reliability Leaders
- Quality Assurance/Compliance staff
- Project Managers
- Anyone responsible for designing, managing, or improving processes

COURSE OUTLINE

Process Thinking Essentials

- Why processes matter
- Process vs. activity vs. system
- Case study: strong vs. weak processes

Mapping the Current State

- SIPOC, flowcharts, swimlanes
- High-level vs. task-level mapping
- Virtual mapping exercise

Defining Value & Requirements

- Voice of the Customer (VOC)
- Value-adding vs. waste
- Waste identification breakout

Designing the Future State

- Design principles: simplicity, clarity, flow
- Reliability factors
- Future state workshop

Standardization & Documentation

- SOPs, checklists, visual standards
- Flexibility vs. control
- Examples: templates, one-point lessons

Process Improvement Frameworks

- PDCA, DMAIC, Kaizen
- Matching frameworks to problems
- Group discussion

Problem Prioritization & Root Cause Analysis

- 5 Whys, Fishbone, Pareto
- Virtual RCA exercise

Implementing Improvements

- Pilots vs. rollouts
- Experimentation tools
- Change management basics

Measuring Performance

- KPIs: efficiency, cycle time, error rate
- Dashboards & scorecards
- KPI dashboard breakout

Sustaining Improvement

- Culture, leadership, feedback loops
- Audits & 30-day action planning workshop



Visual Management and Centerlining

COURSE OVERVIEW

This course equips teams with the tools to make work visible, reduce process variation, and sustain performance. Participants will learn how to design effective visual controls, identify and document centerlines, and respond to deviations with clarity and speed. Through real-world examples, virtual exercises, and collaborative workshops, attendees will leave with actionable strategies to improve safety, quality, and reliability across their operations.

WHO SHOULD ATTEND?

- Operations Managers
- Team Leads
- Reliability Leaders
- Quality Assurance/Compliance staff
- Project Managers
- Anyone responsible for designing, managing, or improving processes
- Maintenance and Reliability Professionals

COURSE OUTLINE

Visual Thinking

- How visuals outperform text in the brain
- Simplicity, clarity, and flow in workplace visuals
- Critique exercise: “good vs. bad” visuals

Visual Controls

- Status boards, dashboards, color coding, kanban, andons
- Levels of control: informative → warning → regulatory → stop
- Breakout: design a visual cue for a common problem

Visual Standards

- 5S and visual workplace basics
- Placement, consistency, and information hierarchy
- Tool: visual audit checklist

Seeing the Process

- Virtual observation: photos, video, walk-throughs
- Spotting waste and abnormalities
- Case study: before-and-after visuals

Centerlining Basics

- What it is and why it matters
- Examples across industries
- Case study: impact of ignoring centerlines

Identifying Centerlines

- Key process settings and parameters
- Operator vs. equipment-controlled variables
- Exercise: map parameters for a sample process

Standardization & Documentation

- Visual documentation: charts, photos, one-point lessons
- Building checklists and digital SOPs
- Breakout: create a one-point lesson

Managing Deviations

- Tools: digital logs, dashboards, SPC basics
- Escalation standards and response
- Role-play: escalation decision-making

Implementation & Sustainability

- Deployment roadmap
- Leadership’s role in sustaining standards
- Workshop: draft a 30-day action plan



COURSE OUTLINE

- **Why Operator Care matters:** safety, reliability, cost, morale
- Operator vs. maintenance roles and responsibilities
- **Case studies:** plants with strong Operator Care programs
- **Reliability fundamentals:** asset availability, OEE, failure modes
- How small issues escalate into major breakdowns
- **Equipment ownership:** building familiarity and pride
- Key components, functions, and common failure risks
- Practical reading of equipment drawings and manuals
- **Senses-based detection:** seeing, hearing, smelling, feeling abnormalities
- Standardized inspection checklists and tagging systems
- Hands-on mock inspections using sample equipment
- **Cleaning as inspection:** exposing defects through contamination removal
- **Lubrication basics:** correct methods, signs of poor lubrication
- **Hands-on lubrication practice:** identifying points and applying techniques
- **Early problem detection:** leaks, vibration, overheating
- **Escalation decision tree:** what operators fix vs. what maintenance handles
- Reporting workflows and communication standards
- Designing effective operator rounds and daily care routines
- **Digital tools:** checklists, logbooks, and mobile apps
- Building habits and discipline in daily equipment care
- Operator–maintenance partnership model
- Recognition systems to sustain engagement and accountability
- Implementation roadmap: how to roll out Operator Care
- **KPIs:** CIL completion %, downtime reduction, safety incidents
- **Workshop:** create a custom Operator Care checklist and action plan

Operator Care

COURSE OVERVIEW

This course empowers frontline teams to take ownership of equipment care, detect problems early, and reduce unplanned downtime. Participants will learn practical inspection, cleaning, lubrication, and escalation techniques using real-world examples and mock equipment. By building habits, pride, and accountability, Operator Care becomes a powerful tool for improving safety, reliability, and team morale.

WHO SHOULD ATTEND?

- Equipment Operators
- Frontline Technicians
- Maintenance Professionals
- Reliability Professionals
- Production Supervisors
- Team Leads
- TPM Coordinators
- Safety and Quality Personnel
- Anyone responsible for daily equipment care or performance



COURSE OUTLINE

- The role of frontline leaders in manufacturing success
- Shifting from “doer” to “leader” mindset
- Balancing people, process, and performance
- **Leadership styles:** directive, coaching, supportive, delegative
- Leading with credibility and emotional intelligence
- Building confidence in decision-making
- Clear, effective communication on the shop floor
- Active listening and giving feedback
- Running shift huddles and toolbox talks
- Motivating teams and resolving conflict
- Coaching and recognizing employee performance
- **Safety leadership:** modeling behaviors and conducting observations
- Incident response and embedding a safety-first culture
- **Key manufacturing metrics:** safety, quality, delivery, cost
- Understanding OEE, cycle time, scrap, and throughput
- Managing shift performance and visual management boards
- **Problem-solving tools:** 5 Whys, Fishbone, PDCA
- Making decisions under pressure and escalating issues
- Leading change and overcoming resistance
- Explaining the “why” and driving continuous improvement
- Planning shifts and managing priorities
- Delegating effectively while staying accountable
- Reliability mindset and operator engagement
- Celebrating small wins to build momentum
- Building cross-functional relationships and managing handoffs
- Personal leadership development and action planning

Frontline Leadership for Manufacturers

COURSE OVERVIEW

This course develops the leadership skills essential for frontline success in manufacturing. Participants will learn how to lead with confidence, communicate effectively, drive safety and performance, and foster a culture of accountability and continuous improvement. Through practical tools, real-world scenarios, and action planning, attendees will leave ready to lead their teams with clarity, consistency, and impact.

WHO SHOULD ATTEND?

- Frontline Supervisors/Team Leads
- Shift Managers
- Production Coordinators
- Maintenance Professionals
- Reliability Professionals
- Leaders in Manufacturing
- TPM Coordinators
- Safety and Quality Personnel
- Anyone responsible for leading people, solving problems, or improving performance on the shop floor



COURSE OUTLINE

The Business of Manufacturing

COURSE OVERVIEW

This course builds the financial fluency and strategic thinking needed to lead with impact in manufacturing. Participants will learn how to interpret key metrics, link reliability to profitability, and communicate technical decisions in business terms. Through hands-on tools, real-world examples, and executive-level framing, attendees will leave equipped to influence decisions, drive value, and align plant performance with enterprise goals.

WHO SHOULD ATTEND?

- Plant Managers
- Operations Leaders
- Maintenance Professionals
- Reliability Professionals
- Leaders in Manufacturing
- TPM Coordinators
- Quality Leaders
- Finance and Supply Chain Partners
- Anyone seeking to connect technical decisions to financial outcomes

- **Key financial metrics:** OEE, TEEP, COGS, EBITDA, Contribution Margin, Inventory Turns
- **Budgeting methods:** fixed, flexible, zero-based, capital vs. operating
- Connecting plant activity to financial outcomes
- Linking reliability to cost avoidance and profitability
- Understanding how plants create value: throughput, yield, cost, quality
- **Quantifying unreliability:** downtime, scrap, rework, expedited shipping
- Identifying hidden factory costs and translating technical metrics into business language
- **Manufacturing KPIs:** productivity, labor efficiency, cycle time, first-pass yield
- Bottlenecks, capacity planning, waste elimination, and flow
- Supply chain decisions and their cost impact
- **Industry awareness:** benchmarks, commodity pricing, regulations
- Translating corporate strategy into plant execution
- ROI, risk reduction, and capital investment evaluation
- Labor cost structures and engagement-driven performance
- Building influence across finance, HR, supply chain, and engineering
- Cost-benefit analysis and risk-based decision-making
- Total Cost of Ownership and scenario planning
- Communicating technical outcomes in financial terms
- Executive presentation and data storytelling
- Coaching frontline leaders to connect work to business results
- Continuous learning through benchmarking and mentorship
- Creating a personal business acumen scorecard
- Tracking decisions and their business impact



COURSE OUTLINE

- **Why losses matter:** impact on cost, throughput, quality, and competitiveness
- Connection to reliability principles and the Seven Big Losses framework
- **Setup & adjustment losses:** changeovers, warm-ups, recipe tweaks
- **Process failure losses:** breakdowns, equipment malfunctions
- **Minor stop losses:** jams, misfeeds, sensor faults
- **Speed losses:** slow cycle times, operating below design speed
- **Quality losses:** scrap, rework, startup rejects
- **Loss vs. waste:** understanding input vs. outcome
- Identifying hidden losses and converting them into cost/throughput impact
- Data collection using CMMS, MES, and manual logs
- Standardized coding and loss quantification (time-based vs. output-based)
- Pareto and loss tree analysis to find the vital few
- SMED techniques and setup reduction strategies
- Operator Care and error-proofing for minor stops and process failures
- Equipment tuning, standard work, and coaching for speed losses
- First-Pass Yield improvement and SPC for quality losses
- **Integrated loss elimination:** how losses interconnect and compound
- Prioritizing critical losses and building cross-functional solutions
- Visual dashboards and converting hours lost into dollars saved
- Leadership's role in loss management: ownership, accountability, visibility
- Tiered daily meetings and recognition systems
- **Final workshop:** identify top 3 losses and commit to one improvement project

Managing Manufacturing Losses

COURSE OVERVIEW

This course builds the financial fluency and strategic thinking needed to lead with impact in manufacturing. Participants will learn how to interpret key metrics, link reliability to profitability, and communicate technical decisions in business terms. Through hands-on tools, real-world examples, and executive-level framing, attendees will leave equipped to influence decisions, drive value, and align plant performance with enterprise goals.

WHO SHOULD ATTEND?

- Plant Managers focused on cost, throughput, and performance
- Operators involved in equipment care
- Maintenance Professionals
- Reliability Professionals
- Leaders in Manufacturing
- TPM Coordinators
- Engineering Leaders
- Quality Leaders
- Finance and Supply Chain Partners
- Anyone responsible for reducing downtime, scrap, or inefficiency



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TRAINING INSIDER LIST



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Thank you for your interest in our courses at ReliabilityX! Don't forget to join our Training Insider List! We are dedicated to providing top-notch education and training in the field of Maintenance and Reliability. Our expert instructors and comprehensive curriculum are designed to equip you with the skills and knowledge needed to excel in your career.

Don't miss out on the opportunity to enhance your expertise and advance your professional journey. Please reach out to us to book your spot today! We look forward to supporting your educational endeavors.