

Maintenance and Operations Training Program Summary

- Fundamentals of Maintenance Management Series15-23
days
 - A customized approach to develop your emerging leaders, benchmark your organization, and develop and improvement plan through these monthly workshops
 - Introduction to Maintenance Excellence workshop
 - Maintenance Leadership training
 - Introduction to Preventative & Predictive maintenance
 - Maintenance Planning & Scheduling
 - Maintenance Troubleshooting
 - Root Cause Analysis
 - Inventory Management (elective)
 - Precision Maintenance (elective)
- ME101 Introduction to Maintenance Excellence workshop.....3-5 *days*
 - This course provides an overview of the key factors in developing world class equipment performance and reliability from the standpoint of the maintenance function. Participants will assess their current operations and develop a roadmap to improve.
- Maximize Equipment Productivity training & improvement – TPM5 *days*
 - Total Productive Maintenance (TPM) is a process that maximizes the productivity of equipment for its entire life. TPM fosters an environment that encourages improvement efforts in safety, quality, cost, delivery, and creativity through the employee participation.
 - This interactive, hands-on workshop trains participants to independently and proactively improve the safety, productivity, and reliability of their equipment, emphasizing personal accountability and ownership of responsibility.
 - Participants will learn the techniques they need to successfully drive equipment performance in all areas. This event focuses on effective communication and encourages culture change so that all employees support equipment performance improvements.
 - Students will learn how to clean, inspect, and employ visual controls to make problems visible; to implement countermeasure to improve equipment inspection, cleaning, and lubrication; to identify, study, and resolve operating losses; to develop preventative and predictive tasks focused on preventing these losses; and to engage operators to perform daily care and inspections of equipment.

Maintenance and Operations Training Program Summary

- Introduction to Total Productive Maintenance training.....*2-3 days*
 - This 2-3 day course explains the key principles of Total Productive Maintenance and shows participants how to leverage the strength of their teams to drive equipment performance toward zero unplanned equipment stoppages. Participants learn through field examples, and develop an assessment of their current state against best TPM practices so that they can continue their implementation plan after the course concludes.
- Maintenance Program Bronze-Silver-Gold Assessments.....*3-5 days*
 - This is an interactive, 90 point diagnostic assessment that helps develop a roadmap to reliability success for clients. Together, we perform a gap analysis between your current state and industry-wide maintenance best practices. It is an interactive event, interfacing with all levels of operational staff, and delivers a roadmap and a readiness assessment for a customized improvement plan.
- ME102 Maintenance Leadership training.....*3-5 days*
 - This course is geared towards emerging maintenance leaders tasked with overseeing a proactive maintenance program or transitioning a reactive maintenance environment into a proactive one.
 - Emphasis is primarily on leadership, development and management of people, robust processes, and appropriate use and deployment of efficient tools and technologies
- Maintenance value stream mapping training and improvement.....*3 days*
 - This workshop focuses on mapping typical maintenance processes, identifying the wastes in them, and devising efficient ways to maximize scarce resources.
- Maintenance & operations 5S shop floor training & improvement*3 days*
 - 5S is known as the fundamental improvement strategy for companies seeking to develop operational excellence. This hands-on workshop will help to organize work spaces so that functions can be safer and more effective while reducing scrap, waste and lost opportunities.
- LE101 Lubrication Excellence - shop floor training & improvement*3 days*
 - Lubrication Excellence hands-on training helps participants learn how to implement and sustain lubrication best practices to maximize equipment performance and life. Topics include:
 - Contamination elimination, receiving, storage, delivery, disposal best practices
 - Ultrasound lubrication
 - Developing lubrication frequencies & amounts
 - Troubleshooting lubrication systems
 - Lubricant selection & analysis

Maintenance and Operations Training Program Summary

- PS101 Maintenance Planning & Scheduling training/workshops.....3 days
 - Participants will learn to use the shop floor tools needed to reduce waste in maintenance by maximizing 'wrench time' and closely monitoring performance. They will learn how to work with a CMMS to facilitate the smooth flow of maintenance work from inception to completion, create distinct job plans to build precision into work execution, complete scheduling exercises, gather data in work orders to permanently resolve failures, and create performance metrics.
- PM101 Introduction to Preventative & Predictive Maintenance workshop3 days
 - Participants will learn how to create basic preventative maintenance tasks, select and use basic predictive maintenance tools (ultrasound and infrared), build inspection routes, and develop a performance feedback model to help them optimize and continually improve machine performance and life.
- TS101 Maintenance Troubleshooting workshop3 days
 - Participants learn the steps to methodically and permanently correct equipment failure. They will learn to identify and correct root causes rather than symptoms, helping them to permanently resolve acute, chronic, and intermittent failures. The class draws on shop floor and role-playing exercises to simplify equipment and systems into their elements and use a forensic approach, which leads to permanently resolving equipment failure.
- IM101 Maintenance Inventory Management training3 days
 - This class teaches best practices in MRO inventory management to achieve practical solutions. Students will develop plans for real world implementation. It details world-class asset management tactics, how to reduce stock-outs and improve service levels, maximize storeroom efficiency, and improve control of MRO inventory, to optimize inventory levels and to increase technician "wrench time".
- Developing Maintenance Staffing/Skills Assessments/Training Programs.....3 days
 - This 3 day workshop helps participants to develop and strategy and plan to acquire, retain and train skilled employees in today's lean market place. Participants will create job descriptions, training plans and skills assessments to maximize their resources and build the technical workforce for today and the next generation.
- Precision Maintenance Techniques workshop.....3 days
 - In this workshop, we provide participants an overview of 15 of the best practices in installation and repair of industrial machinery and equipment that maximizes equipment life and performance. Through real-world examples on your shop floor, we show them how and where these practices can be applied.

Maintenance and Operations Training Program Summary

- RC101 Maintenance Root Cause Analysis workshop2 days
 - This hands-on workshop will introduce root cause analysis techniques and their use to your maintenance staff, and show them how to apply them to investigate and eliminate equipment failures. Drawing on their own experiences, participants are taught problem solving methodologies to help them identify ways to permanently resolve equipment failure. Through a series of interactive exercises, they will solve problems they select from their own plants.
- Reliability Centered Maintenance workshop5 days
 - A typical RCM analysis asks and finds answers to these seven questions:
 - 1. What are the functions and associated performance standards of your equipment?
 - 2. In what ways can it fail to fulfill its functions?
 - 3. What causes each functional failure?
 - 4. What happens when each failure occurs
 - 5. In what ways does each failure matter?
 - 6. What can be done to prevent each failure?
 - 7. What should you do if a suitable preventative task cannot be found?
 - Participants in this workshop are trained in the methodologies used to gain the right answers to these questions and to determine the best tactics and strategies to answer them – so that maximized equipment life and performance can be achieved.
- Predictive maintenance shop floor training & improvement2-5 days
 - These hands-on workshops are performed on the critical assets in your facility that require high levels of reliability. We will demonstrate and train participants on the use of tools to achieve this in the following technologies:
 - Ultrasound/air leak detection training
 - Ultrasound/bearing detection training
 - Infrared/thermography training
 - Additionally, we help to developing your program going forward by developing routes for inspections and the procedures required to do so.
- PM Optimization training2-5 days
 - In this workshop, we show participants in your plant how to apply our 10 step process to improve the efficiency and effectiveness of preventative maintenance tasks, minimize unplanned breakdowns and drive improvements in equipment reliability, safety, quality and cost.

Maintenance and Operations Training Program Summary

- Creating Operations/Maintenance/Setup Standard Work Training/Kaizen3-5 days
 - Standard work is a powerful tool used to establish, memorialize, and train the best practices associated with industrial processes. However, many companies struggle with allocating resources to develop these procedures. Our training, workshops and Kaizens accomplish developing these procedures rapidly and effectively through the efforts of our experienced technical professionals working with your people. We can help you and your team to develop your critical procedures faster so you can reap the benefits sooner.
- Safety Mapping Kaizen - shop floor training & improvement.....2 days
 - Using the same processes as in our TPM focused improvements and maintenance waste mapping processes, we facilitate a team of your employees to quickly identify and implement opportunities that will drive safety improvements throughout you plant, such as:
 - Ergonomic hazard identification and reductions
 - Workflow optimizations
 - Workstation assessments
- Environmental Mapping Kaizen – shop floor training & improvement.....5 days
 - Using the same processes as in our TPM focused improvements and maintenance waste mapping processes, we facilitate a team of your employees to quickly identify and implement opportunities that will drive environmental improvements throughout you plant, such as:
 - Wastewater minimization
 - Hazardous waste mapping and reduction
- Energy Mapping Kaizen - shop floor training/evaluation & improvement3 days
 - Using the same processes as in our TPM focused improvements and maintenance waste mapping processes, we facilitate a team of your employees to quickly identify and implement opportunities that will drive reductions in your energy usage.