

Our Lean Services Include:

Lean Manufacturing & Lean Office

LEAN MANUFACTURING PRODUCTS:

Lean Executive Overview: This one-day workshop is designed to provide an overview of Lean Manufacturing concepts and Lean Behaviors necessary for successful change. Discover how Lean makes work rewarding as well as profitable and enduring. Participants will have the knowledge and tools to create an effective lean strategy, develop personal lean leadership skills and gain broad support among colleagues for the lean transformation.

Principles of Lean Manufacturing 101 Workshop: An all-day, high energy, fast-paced presentation, in tandem with hands-on simulation activities so participants learn what advanced manufacturing is all about; identify the eight wastes in manufacturing and ways to reduce them.

5S System - The Visual Workplace: Experience how the 5S System reduces waste in a simulated production facility. Participants learn the concepts of the 5S System and then apply them to transform a cluttered, disorganized production area into a clean, organized and orderly workplace.

Principles of Value Stream Mapping (VSM): Learn how to create a value map of your current- and future-state processes. Understand the total flow of the value stream, see the sources of waste, determine common language about the process, show linkage of information and process, develop an improvement plan, and prioritize activities.

Quick Changeover/Set-up Reduction: Learn the fundamentals of set-up reduction in applying quick-change thinking to any type of setup or industry. Focus on attaining quick changeover through the systematic elimination of the internal components while streamlining the final procedure.

Total Productive Maintenance (TPM): Gain knowledge of Overall Equipment Effectiveness (OEE) and how it relates to capacity. Apply TPM principles and techniques to equipment in a hands-on simulation and experience how applying TPM can achieve dramatic improvements in uptime and increased capacity.

Cellular Flow Manufacturing: Discover how to link and balance operations to reduce lead times, minimize WIP, optimize floor space usage and improve productivity using a five-step process for designing and implementing work cells.

Pull/Kanban Systems: Control resources in a production process by replacing only what has been consumed. Applies principles of Pull System/Kanban in a life-like simulation and demonstrates how principles can be applied to a variety of situations.

Standard Work: Provides you with the information and practice you need to participate in implementing standardization and standard work in your workplace. This workshop presents an approach to implementing standardization and standard work methods designed to eliminate waste from production processes. The methods and goals discussed in this workshop are closely related to the lean manufacturing system.

MANUFACTURING EXTENSION PARTNERSHIP

LEAN MANUFACTURING PRODUCTS CONT...

Error Proofing: Using simple, usually low-cost devices, fixtures, and procedures to reduce/eliminate errors. Stops errors before defective parts are created. Frees up the need for human vigilance and memory.

Advanced Problem Solving: Provides the background and skills necessary to lead an effective, structured, team-based, analytical approach that detects potential problems and thus alleviate chronic failure problems within an organization. Learn how to apply several techniques to detect, identify, analyze and solve performance problems by understanding variation, and uncover root causes and apply the Lean Six Sigma DMAIC (define, measure, analyze, improve, and control) problem solving approach.

Kaizen Event Facilitation: Kaizen is a team-focused approach aimed at the “continuous improvement” of processes. Kaizen facilitation coaches help cross functional teams to see non-value added (NVA) waste in any process and implement rapid system improvements using appropriate Lean Manufacturing tools and methodology: (Brainstorming, 5S, Teambuilding, Problem Solving, Cellular Flow, Pull/Kanban, Set-up reduction, etc.). Kaizen efforts improve quality, cost margins and equipment uptime while decreasing lead times.

LEAN OFFICE PRODUCTS

Principles of Lean Office (Lean 101): This full-day workshop combines classroom-style learning with an interactive "live" simulation – during which class participants become managers and workers within a fictitious company. Workshop participants learn lean definitions and techniques, and explore the application of lean techniques in a simulated office. Participants ultimately transform the simulated office in three "stages." At the end of the day, the office has been redesigned to improve customer and employee satisfaction and increase the speed of the order-to-cash cycle.

Office Value Stream Mapping (OVSM): Value Stream Mapping Office – a one-day workshop that reviews the eight basic wastes in the context of non-production processes. We'll review how Lean Thinking can be applied to improve information-intensive processes by using Value Stream Mapping – the assessment and planning tool of lean practitioners. Review a map of the current state, develop the future-state map and then create the implementation plan.

Office 5S: While an organized workspace is certainly appealing to the eye, there's no doubt that the value of a front office 5S program extends well beyond an orderly appearance! In fact, the outcome is more value-added output per worker, with improvement in productivity, safety and quality going right to your bottom line. Join us for our two-day 5S workshop – and learn not only 5S tools and techniques, but practice in a simulated office environment, AND apply your new skills to an area in your front office.

For More Information

Visit www.mep.purdue.edu, call (800) 877-5182 or email tapmep@purdue.edu.



*Purdue University's Technical Assistance Program (TAP) is the
Manufacturing Extension Partnership (MEP) center for the State of Indiana.*

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