Be prepared for intense training. Since our instructor-to-student ratio is 1 to 5, you'll work closely with a seasoned pro.

Work Standards: Improving Prior Improvements (IPI™)

Have your Kaizen improvements leveled off? Make significant new gains – on top of past successes – by applying time-based, advanced, formal tools of inquiry that are objective, scientific, and analytical.

Experts in methods and work measurement training!

Seminar Leaders

John E. Panico and Joseph A. Panico III have studied lean systems, participated in Kaizen events, served as corporate facilitators, and taught many thousands of professionals how to use lean methods, measurement devices, cells, 5S, SMED, automation, team involvement, assembly line balancing, kanban, and a host of other systems to complement and reinforce a one-piece-flow philosophy. Eliminating all forms of waste is their specialty: They have worked to successfully streamline more than 700 operations at 100 companies.

John E. Panico has consulted for a diverse group of 64 United States, Mexican, and Canadian businesses ranging from foundries, to warehouses, to automotive companies, to all types of manufacturing and many service organizations. He has negotiated contracts, provided expert testimony in arbitration cases, co-authored selected sections of work design courses, and served on computer advisory panels. He has worked in industrial engineering and has conducted conferences and executive sessions for numerous companies.

Panico is a board member of the MTM Association for Standards and Research.

Joseph A. Panico, III has developed measurements, methods, standard data systems, a computerized picking program, and multiple machine formulations for a wide-ranging group of 57 clients. He is the program developer for the TITAN Computerized Work Study System being used by many automotive companies and their suppliers. Panico has provided expert testimony in numerous arbitration cases and is currently rewriting sections of a universally used methods engineering course.

He has worked as an industrial engineer and systems analyst for EDS, the state of Ohio, and Ranco Controls. Experienced in an array of productivity areas, he serves as a special topics contributor at many conferences.

CALL 937-229-4632 TO REGISTER

What You Can Expect

You've picked the low-hanging fruit from your production processes through Kaizen improvements, but now your company or customer wants more. How can you possibly do more? There is a way! This seminar shows you how to use a four-step, systematic approach to continuous improvement that relies on the objective analysis of time-based, hard data that builds on the blitz approach required in a successful weeklong Kaizen event.

Kaizen events produce macro-level improvements. IPI is the science that allows abundant, micro-level improvements to produce even greater rewards. Used within a cell, on assembly lines, and even with general work in lean, you'll uncover a bountiful store of savings. These penetrating, in-depth analyses – combined with the elimination of waste – are essential as you journey onto the next evolutionary path to better operations.

This Monday-through-Saturday workshop features personalized, privately counseled, learn-by-doing experimentation sessions scheduled with you or a team from your plant (registration is limited to 10 participants per workshop). The seminar leader will teach you how to use numerous systems to capture and examine a variety of data that complements an in-place lean system. You'll learn to apply more than seven analytical tools that continuously reveal work deterrents.

If you've lost momentum and are going nowhere fast, arm yourself with a formal set of tools and skills that produce refined and detailed measures. When used routinely at your plant, these tools will remove the rust that has grown over prior gains, ward off future stagnation, and keep your systems lean in spirit and practice. Without these streamlining techniques, your lean program could be stuck in neutral with little possibility for progress.

– Seminar leaders: John E. Panico or Joseph A. Panico III

Seminar Content

DAY 1 AM

- Review
  - Principles of lean
  - Corrective components of lean
  - Implementing lean
  - The Kaizen event
- Introducing IPI: Improving Prior Improvements
  - A path to "Kaizen II"
  - Four-step systematic approach ("any job can be improved; all work has a common denominator")
    - Step 1: plan (develop a strategy)
    - Step 2: study (uncover work deterrents by collecting/analyzing hard data)
    - Step 3: standardize work (use a holistic approach to flow)
    - Step 4: control the lean program (use supervision/visuals/rewards)
  - Finding the best way to do a job; getting people to use it
  - Using human/material resources efficiently

DAY 1 PM

- Step 1: plan
  - Identify the problem/task (a formula for directing activities to a target)
  - Determine information to gather ("focusing the crosshairs on prized game")
  - Estimate study length and savings potential (the economic factors governing lean)
  - Begin a systematic, scientific, remedial analysis (selecting the correct analytical tools)

FREE!

You'll get TITAN, a comprehensive, computerized work study system, which includes software pre-loaded on a hand-held Hewlett-Packard computer. Ford Motor Co., Dana Corp., and other manufacturers use TITAN for task-time measurements, line balancing, cell development, and data gathering on the production floor. A $500 value!

DEFINING STANDARD WORK

DAYS 2 through 6

- Step 2: study
  - Rekindle momentum through in-depth scientific studies
  - Enhance operational turns per day
  - Blueprint work "as is" to develop "what should be" (with respect to takt time)
- Step, Part A: conducting in-depth, objective studies to capture work dynamics
  - Measure to gauge the impact of lean
  - "The Equalizing Grid™": a comprehensive analysis of work motions and how they impair a harmonious performance
  - Fit task times to takt times by compensating for unavailable daily minutes
- Step 2, Part B: developing/using creative tools to uncover work impediments
  - Construct a precise analog of operations and use it to create a smooth, single-piece flow
  - Create an electrocardiogram of work to cut back on zigzags and reduce work impediments
  - Multiple Activity Analyses: an advanced way to balance cells
  - Operations Analysis (simplified into a worksheet, it improves a process by micro-analyzing its parts)
    - Uncomplicated way to study an operation's purpose, methods, quality requirements, materials used, water spider (handling) activities, setups (SMED), tools, equipment, working conditions, and other factors affecting performance
    - A way to "continue continuous improvements" by examining 10 common possibilities for improvement

"My group of companies has prospered immensely from this style of practical training. All previous improvements must be examined again and again to assure a progressive continuity to the next stage of savings."

– Charles E. Mitchell Rentschler, President and CEO, Hamilton Foundry & Subsidiaries

DAYS 2 through 6 *continued*

  - Sampling eliminates wastefulness within work by using specific techniques to find work-flow inhibitors
    - Evaluate a single cell/assembly line for detriments
    - Isolate all forms of real-time wastefulness
  - Sample work: the "rotten apple strategy"
- Step 3: Standardize work for lean operations
  - Apply standardization procedures via traditional and 5S systems
  - Improve the operator's motions to complement a revised layout
  - Design an effective workplace layout
  - Use "The Methods Improvement Check-Off Grid™" to enhance throughput
  - Apply the 7 principles, which lead to "the most economical method"
  - Employ a team approach to operator training, structured to include all parties affected by the change
  - Maintain live, on-site relationships with the production arena
- Step 4: control the lean program (keep all people involved in lean production)
  - Supervision: assures goals are being met
  - Visuals enhance performance
    - Performance control systems/ management reports
    - Performance checks by those who plan/supervise/direct the work
    - Rewards: promotion, acclaim, or remuneration help maintain the system and keep a lean enthusiasm

Who Should Attend

- You or a team from your plant (six to eight people is ideal).
- Kaizen and continuous improvement coordinators, technical specialists, manufacturing engineers, and industrial engineering production/plant/operations managers.

SIGN UP FOR THIS CUSTOM SEMINAR

DELIVERED RIGHT AT YOUR PLANT!

For more information, contact:

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