

About the Seminar Leaders:

Bill Pensworth received his Kaizen training from Chihiro Nakao and Masaaki Imai, and has participated in more than 300 Kaizen efforts at 60 plants. He was instrumental in establishing successful Kaizen programs at Copeland Corp.'s Shelby, N.C., facility and Hartselle, Ala., facility.

Alan Lee, who has led and participated in more than 200 Kaizen events at more than 50 facilities, also received Kaizen training from Nakao. Lee is a Certified Quality Engineer with experience in the Shanin D.O.E. techniques and has more than a decade of experience in manufacturing.

**SIGN UP FOR THIS
CUSTOM SEMINAR DELIVERED
RIGHT AT YOUR PLANT!**

Lean: How to Cure the 7 Deadly Forms of Manufacturing Waste

Get everyone focused on removing waste.



What You Can Expect From This Seminar

Through production simulations, you'll observe the tremendous cost impact of inventory and waste. You'll understand the importance of focusing on the flow of work, standard work, and Muda, and learn how to document and eliminate waste using "worksheet mechanics," the backbone of lean analyses and involvement. You'll discover how a pull system balances the plant; practice basic principles of pull to takt time, production leveling, kanban, visual systems, and Kaizen as the tools for lean implementation; and be exposed to other tools, such as SMED, poka-yoke, and organizing for lean. In the end, you'll have a detailed lean manufacturing tool kit that you can use immediately back at your plant.

– **Bill Pensworth and Alan Lee, Seminar Leaders**

Seminar Content

DAY 1 AM

- Where lean fits in world-class operations
 - The four levels of world-class leadership
 - The secret of the carrot diet
- Managing chaos and change
- Simulation 1
 - Unbalanced push vs. pull (with lot size=3)
 - Worksheets and team practice
- The secrets of behavior
 - The five critical needs
 - The four dimensions of behavior
 - Organizational realities that lean can help you overcome

DAY 1 PM

- Developing a visual communication center for operator participation
 - What it is – and how it works
 - Exercise: Each team builds a visual communication center
- The 7 deadly forms of waste
 - The master jargon chart of lean
 - Basic principles of pull, takt time, leveling, kanban, visual systems, workplace organization, and Kaizen
- Simulation 2
 - Pull (with lot size=1) and open competition among teams
 - More worksheets and team practice

DAY 2 AM

- Single-Minute-Exchange-of-Die (SMED)
 - How it works; making it work for you
 - Exercise: using worksheets
- Error proofing (Poka-Yoke)
 - Detection, warning, prevention
 - Work group error-proofing forms
 - Exercise: eliminating simulation errors
- Organizing a lean initiative
 - Team/work group structure
 - Initiative governance
 - RACI analysis (Responsible, Accountable, Consulted, Informed)
 - Mechanics of a successful initiative
 - Killer mistakes to avoid
- Integrating lean into ISO and QS

DAY 2 PM

- Simulation 3
 - Open team competition
 - Revising worksheets and updating the communication center
- Lean implementation: specific steps
 - Identifying priorities
 - Determining sequence
 - Basics that can't be skipped
- Brainstorming the next steps
 - Affinity diagram brainstorming of team-produced action plans
- The leadership challenge

Who Should Attend

Continuous improvement coordinators; controllers/general managers; engineers; managers of HR, materials, logistics, operations, production control, maintenance, quality, accounting, and purchasing; small-company owners/presidents; and team leaders/lead operators.

How To Get the Most From This Seminar

Think about why it isn't already "lean time" at your organization – then identify your top 10 roadblocks. You won't be able to find answers unless you know the questions.

**THIS SEMINAR IS ALSO AVAILABLE
ON SITE AT YOUR PLANT.
Call 937-229-4632 for information.**