

LEAN MANUFACTURING

Apply the Lean roadmap to your business to ensure that your Customers Are Priority One

BENEFITS

Are you ready for Lean? Are you up to speed on Lean concepts?

This workshop helps you begin your Lean journey or accelerate your contribution to an existing Lean program.

WORKSHOP DESCRIPTION

Lean programs offer a proven roadmap for continuous improvement within organizations. The KT approach to Lean drives business success by combining KT critical thinking and Lean processes. KT Lean training promotes data-driven actions that accelerate results and ensure financial success with every project implementation. It helps you improve quality, build customer satisfaction, and achieve competitive advantage.

WHO SHOULD ATTEND

This workshop is recommended for anyone who operates in a manufacturing environment and is new to Lean concepts. Supervisors, engineers, production and process personnel, planners, project managers, middle managers, and even top executives can benefit from the methodologies and tools presented. This practical program can be learned and applied to all areas within an organization.



Rapid Results

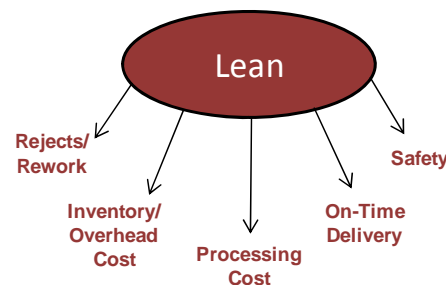


Lasting Value

WHAT YOU WILL LEARN

This workshop is focused on helping you achieve the value as perceived by the customer. By building upon the cornerstones of leadership, people involvement, discipline and first-hand-observation, you will learn how to integrate KT critical thinking into Lean implementation in an environment that is established for long-term success.

Lean Will Influence



2010 Schedule

Sept 21 – Sept 23, 2010	Malaysia
Oct 6 – Oct 8, 2010	Thailand

Workshop Hours are 9:00 am to 5:30 pm
Dress is business casual

Time (hours)	Day 1	Day 2	Day 3
0.0	Opening Briefing	Review Day 1	Review Day 2
0.5	Lean Model Teach: Customer Principles, Cornerstones	Value Stream Mapping Teach: Current State	Quick Changeover Teach: Current & Future State
1.0	Lean Model Case Practice: Lean Principles		Quick Changeover Practice: Changing a Car Tyre
1.5	BREAK	BREAK	BREAK
2.0	Lean Simulation Discovery (The KT Cube Factory)	Value Stream Mapping Case Practice: TBA	5S Teach: Setup, Sort, Set in Order, Shine (S0-S3)
2.5		Value Stream Mapping Teach: Future State	5S Case Practice: Photo 5S
3.0		Value Stream Mapping Case Practice: TBA	5S Teach: Standardise, Sustain
3.5			5S Case Practice: Compare / Contrast > 5S to Clean Factory
4.0			Pull Systems Teach: Push, JIT, Kanban, FFO, Supermarkets
4.5	LUNCH	LUNCH	LUNCH
5.0	Lean Simulation Discovery (The KT Cube Factory)	Value Stream Mapping Case Practice: TBA	Pull Systems Practice: Various Scenarios
5.5	Lean Simulation Debrief: (The KT Cube Factory)	Spaghetti Diagrams Teach: Current & Future State	Standardisation Teach: Discovery + Standard Worksheet
6.0	Identify & Eliminate Waste Teach: 7 Wastes	Spaghetti Diagrams Case Practice: TBA	Standardisation Case Practice: TBA
6.5	BREAK	BREAK	BREAK
7.0	Identify & Eliminate Waste Case Practice: 7 Wastes	Error Proofing Teach: Inspection methods & Implementation	Rapid Improvement Process Teach: Kaizen
7.5	Identify & Eliminate Waste Application: 7 Wastes	Error Proofing Case Practice: Car Example + TBA	
8.0	Review and Opportunity	Review and Opportunity	Summary and Evaluation
8.5			
9.0			



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Apply the KT Way, Drive Wastes out of Your Business

Identify & Eliminate Wastes

This module focuses on the practical application of the identification and elimination of waste. Using the headings of the well known seven wastes, participants follow a process of:

- Understand the waste in question
- Identify areas within a business/department where this type of waste resides
- Brainstorm ways to eliminate the waste from the process
- Plan for the removal of the waste
- Set up actions to ensure the waste does not occur again

Value Stream Mapping (VSM)

Value Stream Mapping is a process that helps a business identify and understand the material and information flow as a product or service makes its way through the organisation. VSM gives an organisation the tools to stand back and identify the wastes in the business and to streamline processes to remove that waste. The application of this process is as valuable on the factory floor as it is in the administrative area. Think of it as your personal magnifying glass and your source for solutions to eliminate unnecessary tasks that occur in the process.

Pull Systems

Pull systems within businesses are often hard to identify due to the high level of forecasting and demand planning that exists within businesses today. A lack of contact with customers and unclear expectations means that forecasting is relied upon rather than the more efficient pull systems of the past. In this module the participants follow the process of:

- Identify processes by which a pull system would enhance current performance
- Calculate size of system and metrics to implement
- Understand pull system deployment and implementation strategies

Quick Changeover (SMED)

Quick Changeover is a visual tool to understand and streamline the setup or changeover procedure of parts or equipments in the safest, easiest and quickest way possible. The 5 steps of Quick Changeover are:

- Document current changeover process
- Classify activities as Internal or External
- Convert activities from Internal to External
- Streamline Internal activities in the process
- Standardise and monitor new changeover procedure

Mistake Proofing

Mistake Proofing is a mechanism to prevent or highlight defects. It helps to ensure a process is performed with zero mistakes. In the event when defects are produced, they could be spotted as early as possible before they are propagating through the process to incur additional cost. Participants follow the process of:

- Understand causes of defect
- Identify areas of opportunity
- Determine inspection method
- Implement the mistake proofing system
- Monitor and control
- Determine types of Mistake Proofing Systems

5S

The 5S Philosophy focuses on effective workplace organisation and standardised work procedures. 5S simplifies your work environment and reduces waste and non-value activity while improving quality, efficiency and safety. The 5 steps undertaken are:

- Sort – eliminate all unnecessary items from the workplace
- Set In Order – setup effective storage methods
- Shine – thoroughly clean the work area
- Standardise – decide on best practise
- Sustain – define the new operating procedure and embed this into the day-to-day operation of the organisation

Standardization

Every process and action has numerous ways of being completed – however there is rarely more than “One Best Way”. Repetitive actions completed by varying personnel need to be standardised before any real continuous improvement takes place. This ensures sustainability of the process. Standardisation builds a discipline of focus and promotes continuous improvement rather than what is commonly publicised as ‘process work’.

Participants follow the process of:

- Map process task under question
- Document variation in execution that currently exists
- Decide on the best way to operate
- Implement changes and set up procedures to monitor

Spaghetti Diagram

Spaghetti Diagram is an essential tool in the elimination of Transportation Waste. The amount of time lost in the non value added movement of products and services is a key contributor in the inflated cycle times we see in businesses today. Movements such as gathering paper from printers to moving stock from one area to the next are specific examples of this type of waste. Participants follow the process of:

- Identify the process steps with the highest level of movement
- Measure the movement and frequency
- Determine value added versus non value added
- Determine Root Cause of movement
- Document result and plan alteration
- Re-measure for improvement and lock in procedure

Rapid Improvement Process

For less complex, more action-oriented projects, the keys to success are complete buy-in to the change and fast implementation. “Kaizen Blitzez” have focused on these objectives for years and provide a framework for implementing collaborative change. Participants follow the process of:

- Identify suitable process
- Facilitate setting business objectives and measures
- Facilitate brainstorming activity and tools to support
- Document solutions and plans
- Facilitate risk assessment
- Manage implementation



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