

LEAN THINKING - 3 Day - Advanced Level Lean Manufacturing

Session Outline – 3 Day

1 INTRODUCTION

- Introduction to Lean, TPM & TOC
- Simulation – Run 1
- Leading & Managing Change
- Waste Reduction
- Value Stream Mapping
- Teamwork

2 GAINING CONTROL

- 5S (Housekeeping)
- Process & Material Flow
- Set-up Time Reduction
- Simulation – Run 2
- Self assessment of Lean Best Practices
- Visual Measures

3 GETTING RESULTS

- Problem Solving
- Process & Material Flow revisited
- Total Productive Maintenance
- Standard Work
- Simulation – Run 3
- Self assessment of Lean Best Practices
- Assessment analysis

WHAT IS LEAN?

Lean describes a system of Continuous Improvement which focuses on eliminating all forms of waste through the implementation of appropriate techniques and Best Practices. Specifically, Lean analyses and improves the flow of material / services and information through value added activities, resulting in improved operations effectiveness, staff involvement and customer satisfaction.

Implementing Lean tools and techniques will enable your business processes to be flexible and efficient. The objective is to satisfy customer demand for a quality product/service at the right time and at a competitive price. This includes managing total costs and providing an acceptable ROI to stakeholders.

HOW THE LEAN PROGRAM IS STRUCTURED

The three-day program is flexible to your requirements. You can attend a program either as part of a mixed business group or tailor your own in-house program.

In the mixed program your company should enrol participants from both management and operational functions. A minimum of 2 participants from each company is preferred, but not essential.

The number of participating companies is set at between 8 and 12 to allow networking, cross-

pollination of ideas and peer evaluation whilst maximising delegate participation.

A team of experts with many years practical experience in a variety of industries will facilitate the learning process.

The training includes presentations, interactive discussions, self assessments, a highly effective workplace Simulation and many practical exercises to maximise the learning.

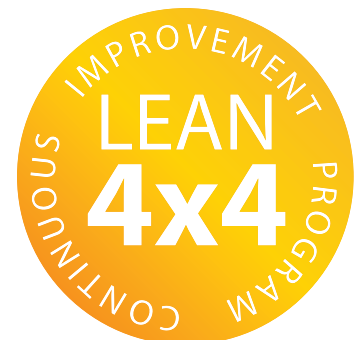
SO WHAT ARE THE LEAN BEST PRACTICES?

Leading & Managing Change

Rather than just hoping you're armed to handle change we make sure of it with concepts and tools from the world's leading change experts. This includes Kotter's eight steps for successful change.

Teamwork

Teamwork centres on the empowerment and involvement of frontline workers on a common set of targets to drive Continuous Improvement.



5S is a system for workplace organisation contributing to becoming a highly organised and efficient operation. The world's best companies suggest that if you cannot excel at 5S you cannot expect to excel at anything in business.

Visual Measures

Learn the importance of Visual Measures in driving changes in behaviour and the benefits of displaying Visual Measures to your workforce.

Problem Solving

Is about making Continuous Improvements in the workplace by focusing on eliminating major losses and wastes through structured, simple problem solving.

Set-up Time Reduction

Understand the need to reduce set-up times in terms of your organisation's quest for flexibility, competitiveness and contribution to your overall equipment effectiveness.

Process & Material Flow

Lean organisations deploy Pull Systems to control the flow of products/services from one process to another. Upstream processes will only transfer products/services when the downstream process requires it. Learn about the "Theory of Constraints" and how to detect your constraints and protect your throughput potential.

Standard Work

Standard Work is the process of developing the best way currently known to do a task and then ensuring everyone is capable and consistently applies this best method.

Standard Work is the key to controlling and removing process variability.

Total Productive Maintenance

Total Productive Maintenance addresses systems and activities needed to ensure maximum equipment availability and performance at an optimum cost.

Value Stream Mapping

VSM clarifies complex systems, allows identification of problem areas, and provides a tool for effective planning and implementation of solutions.

Value Stream Maps are live documents which should be refined and updated as the system changes.

Waste Reduction

Learn how to identify and eliminate the eight Lean wastes and the six major machine losses. Waste is anything that uses resources but does not add real value as determined by the customer. Learn how to apply techniques to reduce or eliminate the losses and wastes.

Losses and Wastes

6 Machine Losses

- Breakdowns
- Change overs
- Minor stops
- Speed losses
- Start up losses
- Defects and rework

8 Lean wastes

- Overproduction
- Waiting
- Material handling
- Unnecessary processing
- Unnecessary motion
- Unnecessary inventory
- Rework
- Lost human creativity

What are the benefits of Lean?

- increased throughput
- reduced operating expenses
- reduced inventories
- better morale
- improved quality and reduced scrap or rework
- reduced lead times and greater supply chain responsiveness
- improved participation, communication and collaboration across the supply chain
- improved fulfilment of your order winning criteria
 - cost
 - quality
 - lead time
 - flexibility
 - information

LEAN - Best Practice Maturity Profile

How Mature Is Your Company?

The Program helps you focus on Lean Best Practices that drive your performance and provides a system to track your "Practices Maturity".

The stages of 'Best Practices Maturity'

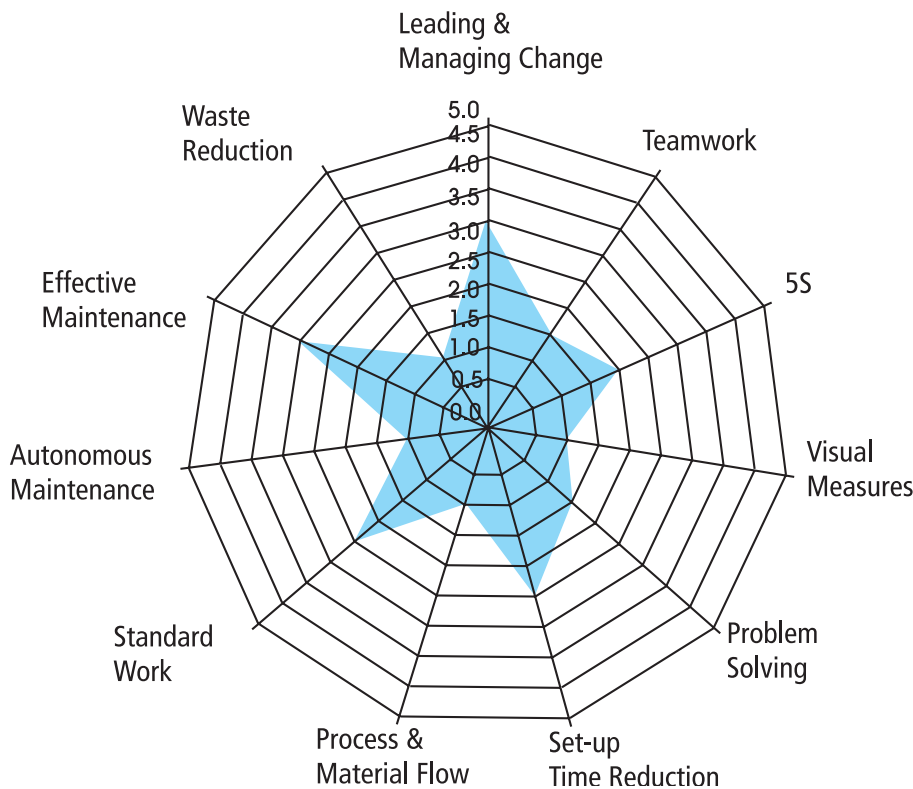
Stage 1 - No Best Practices used and the company revolves around crisis management and ad hoc responses.

Stage 2 - Clearer understanding of company direction, imparted effectively by management.

Stage 3 - There is an ownership of Practices at shop floor, middle management and senior management levels.

Stage 4 - Practices are constantly being honed and refined. Management is consultative and the company is utilising technologies to improve performance throughout the supply chain.

Stage 5 - Best Practices are a 'way of life'. Management has adopted a mentoring style within the company and its supply chain business partners.



TESTIMONIALS

“The simulation itself truly enables people to start understanding how an integrated approach is necessary to enable sustainability of WCM efforts - something I have found difficult to do otherwise, despite having extensive experience in the field. It is an ideal way to expedite the process of experiential learning”.

Iain Clarke

*Director: World Class Operations
Coors Brewing Company, Golden Colorado, USA.*

“The program is an excellent consolidation of best practice manufacturing principles, together with a gauge for measuring your own organisation’s development. It is a great refresher for the experienced and introduction for up and coming manufacturing professionals. We will involve more people in this training”

David Blight

*Manager Components,
Sealy of Australia*

“Without doubt the best continuous improvement course I have attended thus far. The material presented and the activities conducted were practical, relevant and comprehensive. Importantly, the various continuous improvement approaches explained and demonstrated were integrated in a way that made tremendous sense. This was a very rich learning experience reinforced by the presenters living out the ‘lean way’ in their running of the 3 days. 10/10”.

Peter Robertson

*Vice President, Operations Planning
Bluescope Steel, Port Kembla, Australia*

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