

Workshop Overview

Lean Fundamentals

Lean and Reducing ‘7 Wastes’

‘Lean Fundamentals’ immediately immerses people into an interactive Lean journey in our captivating ‘Plug Factory’ simulation. Learn about one-piece flow, 7 wastes, line balancing, ‘Takt’ time, reducing inventory and ‘work-in-process’, Kanban and ‘Pull.’

A lot of ground is covered in this fun, fast-paced workshop. Your people become alive to ‘Lean’ and Kaizen Thinking making a real difference.











‘The Plug Factory’ Simulation at Kubota Supplier Workshop

Client companies also have the option of incorporating their own Operational Excellence program and initiatives into this workshop.

Interactive Learning Resources

The resources used for facilitating group learning are:

-  “*The Big Picture*” Puzzle and Insights.
-  “Where are we now?” Performance Assessment Framework
-  “*The Plug Factory*” Simulation.
-  “*Lean at the Plug Factory*” Lean Fundamentals Workbook.
-  “*WIP Walk*” Inventory Hunt activity.
-  Action Mapping “*Go to the Gemba*” Video Case Studies.
-  “TIMWOODS 7 Wastes” Implementation Guide.
-  “SQDCPE” – Improving Results Implementation Guide.

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Workshop Concepts

The Big Picture - Purpose of Business	Traditional vs Kaizen Thinking – why achieving results, reducing costs is critical to organisational success.
The Current State	<i>Where is your organisation now?</i> We introduce a comprehensive Lean Assessment Tool – free – for your team to apply after the workshop.
Working harder doesn't work	The 'Plug Factory simulation' Round 1 demonstrates that working 'harder and faster' does not achieve results. 'Process' is more important than 'Activity.'
Creating Flow	In Round 2 of the Plug Factory we redesign our process to create 'Flow.'
Lot/Batch Size Reduction	We challenge traditional 'Big Batch Thinking' and introduce the 'Evils of Excessive Inventory.'
'Quality at Source'	Customer-supplier relationships foster a culture of 'Never Pass on a Defect' and builds trust.
One-Piece Flow	Counter-intuitively, 'One-Piece Flow', for both products and services, dramatically reduces lead times, reduces inventory and improves delivery.
PDCA Cycle and 'Genchi Genbutsu'	We introduce the Shewhart Cycle of 'Plan-Do-Check-Act' and the concept of 'Going to the Gemba.'
Takt Time	It is critical to know the TAKT – Rate of Customer Demand – for your organisation. We show how to calculate 'Takt' for your products/services.
Line/Labour Balancing and 'Yamazumi' Charts	In Round 4 of the 'Plug Factory Simulation' we show how to balance your lines/labour using Yamazumi Charts to improve efficiency and productivity.
Kanban and 'Just-in-Time'	In Round 5 of the 'Plug Factory Simulation' we introduce 'Kanban' and Just-in-Time principles to control, limit and manage inventory.
7 Deadly Wastes	The 'Seven Wastes' – TIMWOODS or DOWNTIMES – are presented as 'Implementations Guides' for your teams to make immediate improvements.

Workshop Highlights

The 'Lean Fundamentals Workshop' effectively engages all staff in Lean and Kaizen thinking and tools to achieve results.

To give you some insight on what to expect in this workshop, some graphics, highlights and concepts include:

TPS Improvement Framework

Kaizen – Cost Reduction Thinking

Shewhart PDCA Cycle

Balancing Line to Takt – Yamazumi Chart

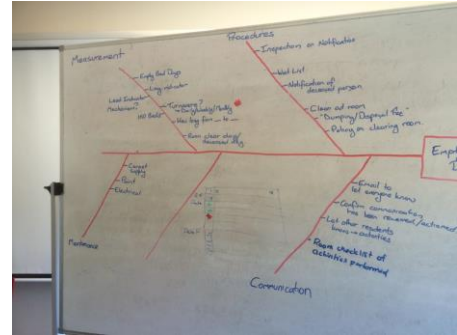
'Glass Wall' Management – Mini-Company Board

Workshop Outcomes and Results

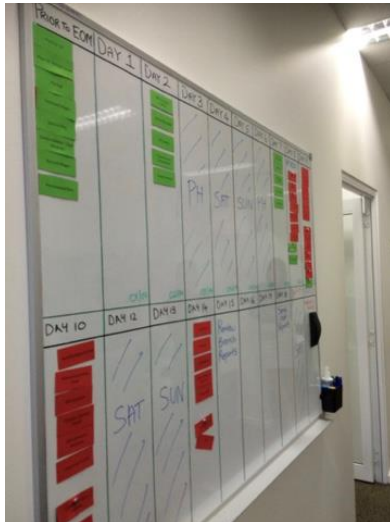
The outcomes and results to expect from the ‘The Plug Factory – Lean Fundamentals’ will be agreed with your management team, and our workshop will be customized to meet your goals. To give you some insights and what can be achieved, some ideas include:



‘Plug Factory’ for Service Sector



Agreed Improvement Projects



End-of-Month Kamishibai Board



‘Colour-Blind’ Simulation in Public Sector

Trolley – Time Saving



Travel Distance: 30 metres
Walk Time: 2 minutes return
Trips Per Job: 5-10 average
Walk Time per Job: 20-30 minutes

Travel Distance: Consumables at hand
Travel Time: Negligible
Trips Per Job: As many as required!
Walk Time per Job: Eliminated

Improvement Projects

Workshop Details

Duration	One Day.
Locations	 On-Site at your premises.  Hired Training Room at your locality.
How many people can attend?	 From 8 to 24 people for maximum engagement.  Minimum: At least 8 people to fill simulation roles.  Maximum – see ‘Conference Delivery’ below.
Target audience?	Anyone , at all levels in your organisation.
Is this workshop available for conference delivery?	Yes. The Lean Fundamentals Workshop makes an excellent small conference starter (24 max.)
Is this workshop accredited?	No. For maximum flexibility, to enable customisation, and minimise cost, we do not offer accredited programs.
Can this workshop be customised?	Yes. We are happy to customize all resources – workbooks, handouts etc – with your corporate branding. Contact Glen for pricing.
Can we build In-House capability and deliver ourselves?	Yes. We are happy to help you build in-House capability. Contact Glen for pricing.
Is this workshop available for delivery in regional locations?	Yes. We enjoy travelling and delivering in regional locations. We minimize travel costs. Contact Glen for an estimate of t&a costs for your location.
Is this workshop available for on-line and/or remote delivery?	No. The Plug Factory simulation requires hands-on participation. Call Glen for alternatives ways of learning Lean Fundamentals.
Is there any prework required?	No. We just ask you to attend with an open mind and have fun in the Plug Factory simulation.
Is there post-workshop support?	Yes. We make Fridays available for ‘free’ ¹ post-workshop support.

¹ Free workshop support is available any Friday – up to one hour per client company, upon booking any available slot through our Scheduling Calendar.