



## Lean Implementation - "How To" Series...

### Why LEAN Your Business?

To be locally and globally competitive, New Zealand businesses need to improve productivity & other operational efficiencies and build continuous improvement & innovation into their organisations.

Every business will benefit from increased profitability. The most sustainable way to increase profitability is to offer products and services at the highest quality, lowest cost and in the shortest lead time. To achieve this, it is imperative to continually look for ways to achieve better results - **Lean Thinking** will help in this direction.

**Lean Thinking** is a proven methodology, used for over 60 years, to improve productivity across a number of industry sectors including Military, Aerospace, Manufacturing, Supply Chain & Logistics, Job Shops, Healthcare, Construction, Financial Services and more recently in Education. Though the tools and techniques have been around for decades, people typically struggle with the application of these and **Productivity Solutions** specialises in helping businesses to achieve the desired performance.

### The Programme

The **Lean Implementation - "How To" series** has been designed to introduce Best-Class practices based on the Lean (Toyota Production System), Six Sigma, Theory of Constraints, Total Quality Management, Performance management and other methodologies. These principles and tools can be applied to any industry sector to create a strong foundation for a World-Class organisation.

This series has been developed in line with **Lean Thinking** approach, wherein participants "**learn**" in a class-room setting and "**do**" or apply the concepts in their workplaces. Full **on-site coaching** is provided to help the participants to understand the tricks in implementing each concept to realise the benefits.

All participants are expected to take-up a series of **workplace projects** and to submit project reports and deliver brief presentations at the end of each project.

### Duration

This programme runs for 18 months from July 2011 to December 2012 with bi-monthly class room training and two hour on-site coaching on workplace projects in the months between. **Programme commences on 19th July 2011.**

### IN-COMPANY TRAINING

#### Why Not Train More People at Less Cost?

If you have a team of people who need to attend this training, it is more cost effective to have this Course customised to your organisation. **Savings can be significant!** For more information on our in-house training programme, please email [info@pslglobal.net](mailto:info@pslglobal.net)

### Modules Covered

- 1. Overview of Lean Thinking & Lean Assessment -**  
The module introduces the attendees to business process improvement tools using concepts from TQM, TOC, World Class Manufacturing, Toyota Production System or what is popularly known as Lean Thinking.
- 2. Value Stream Mapping to Identifying Opportunities for Improvement and Strategy Development -**  
This module covers the skills needed to analyse and map a **value stream** including the identification of information flows, the process flows and value-added analysis. A strategy will be drawn-up along with KPI's to prioritise the opportunities and measure improvements.
- 3. Work Flow Improvement -**  
This module covers the skills needed to plan and implement a continuous flow system which may include Kanban based pull systems.
- 4. Work Area Improvement -** This module covers knowledge and skills needed for the overall management of the 5S and Visual Management system in an organisation.
- 5. Quality Improvement -**  
This module covers the tool kit used in problem solving, PDCA, Cause and Effect Diagrams, Check Sheets, Pareto Chart, Flow Charts, Brain Storming, DMAIC and Root Cause Analysis. Also this unit covers, Error Proofing which helps people and processes work right the first time. Error-Proofing refers to techniques that make it impossible to make mistakes.
- 6. Cost Optimisation -**  
This unit covers the knowledge and skills required by an employee who is required to analyse products and processes to determine the factors that most impact on meeting customer requirements. The analysis will be in terms of cost factors and include options for improving cost efficiency.
- 7. Set-up Reduction -**  
This unit covers the skills needed to improve / reduce changeovers or make ready's. This helps in reducing bottlenecks and smooth the flow of materials in an organisation.
- 8. Asset Optimisation -**  
This unit covers the principles of Total Productive Maintenance including OEE and Autonomous Maintenance.
- 9. Standardised Work -**  
This is true activity-based, hands-on training and most of the learning is achieved through actual line observations, calculating cycle times, development of operator balance charts, and manpower utilization charts. The objective is to identify, document, recommend, and implement improvements.
- 10. Developing Continuous Improvement Culture -**  
This unit covers the knowledge and skills required by leadership roles, to help develop a culture within the organisation appropriate for achieving Operational Excellence.

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## Benefits

### Return On Investment: Typical ROI > 8

The following tangible Benefits are common among businesses deploying World-Class practices through the engagement of highly motivated and multi-skilled workforce:

#### 15% to 50% or greater ...

- Improvement in Productivity
- Improvement in Quality
- Improvement in Delivery
- Improvement in Service
- Improvement in Safety
- Increased Capacity
- Reduction in Lead Times
- Reduction in Cost

#### Networking:

Shared learning through participants from other businesses

#### Meets NZ Standards:

PSL Lean programmes meets the funding criteria of both NZTE and the CMI (Competitive Manufacturing Initiative) Consortium member Industry Training Organisations.

This programme can be linked to National Qualifications in Competitive Manufacturing, if desired.

## Why You CANNOT Miss This Course

### By attending this programme you will:

- ✓ LEARN various best-class methodologies deployed in Lean Thinking
- ✓ BE ABLE to enhance your competence and productivity, thus making additional value added contributions to your organisations
- ✓ ACQUIRE all technical and analytical skills necessary for conducting technical / operational evaluations
- ✓ GAIN all skills necessary to participate in value stream audits and improvements
- ✓ APPRECIATE the application of "Lean Thinking" and process improvement concepts to your business
- \* **The programme will include activities, videos, case studies, workplace projects and discussions.**

## What Others Have to Say About Our Courses

"I found very good value in this course even though I attended many other similar and have attended Gemba Kaizen in Japan" - Production Engineering Manager, Rakon Limited

"Definitely value for money, well presented by a facilitator who obviously knows his stuff in depth" - Heath & Safety Manager, Port Nelson

"Enjoyed the practical part of the course, in actually applying the content to a real situation. Excellent! Extremely beneficial" - ERP Consultant, COGITA



## About Your Course Leader



### VISHNU RAYAPEDDI

is an experienced consultant & trainer specialising in implementing process improvements using Lean, TOC and Six Sigma methodologies such as, DMAIC, Value Stream Mapping, Problem Solving Skills, 5S, Quick Changeovers, Quality and Reliability, Visual Management, Standard Work, TPM, Pull, JIT and Kanban.

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**Vishnu** complements this with key change management skills, including business process & gap analysis, identifying improvements, bench marking and ways to implement change; Facilitating changes to systems, processes and procedures; Forming teams to lead them in the right direction, coaching and mentoring them to achieve the desired results.

**Vishnu** has a broad perspective and understanding of the whole business and how it operates in an ever-changing competitive world, recognising the key business drivers, realising the opportunities to advance the business, understanding and applying key drivers of business performance. Vishnu has worked in Manufacturing and Supply Chain environments for over 22 years with some of the most reputed organisations in New Zealand, Australia and India. Vishnu held management positions in New Zealand at Mainland Products, Navman, Tegel, George Weston Foods, Nutra-Life Health & Fitness, and Steven Cham Industries.

In the past 4.5 years Vishnu has been providing consulting, training, coaching and mentoring services in the Operational Excellence arena.

**Vishnu** founded Productivity Solutions Limited in 2007 and has been promoting Operational Excellence programmes using Competitive (Lean) Manufacturing methodologies in association with the CMI Consortium and HERA (Heavy Engineering Research Association).

## Who Should Attend & Value Proposition

All Managers, Owners / Directors of SME's, Supervisors, Team leaders, Specialist Engineers and others with responsibility for leading and improving productivity levels.

**Value of the total programme:** \$4,600 +GST per head (incl. 2hr on-site coaching / session).

**NOTE:** SME's may qualify for vouchers (up to 50%) to help pay for this programme. Contact PSL for further information.

### ACT NOW! REGISTER TODAY !

Phone: 64 (0)21 173 1060

Email: [info@pslglobal.net](mailto:info@pslglobal.net)

Visit [www.pslglobal.net](http://www.pslglobal.net)

**Programme Venue:** HERA House 17-19 Gladding Place Manukau Phone: (09) 262-2885; E: [admin@hera.org.nz](mailto:admin@hera.org.nz)