

# Sustainable Business Improvement through TPM<sup>3</sup>-LEAN Principles

## Understanding the Journey to World Class Performance



### The Key Objectives:

- ✓ Maximise productive capacity
- ✓ Minimize overall costs
- ✓ Improve workplace conditions and culture



2 Days Workshop, 22 – 23 June 2010

Incorporating the latest industry learning on improving  
People, Equipment and Process Performance

TPM<sup>3</sup>-Lean is an enhanced Lean approach to applying the principles and practices of the internationally recognised TPM methodology .

TPM<sup>3</sup>-Lean is a company wide improvement strategy ultimately involving all employees, suppliers and customers.

TPM<sup>3</sup>-Lean is a flexible, structured and practical journey consisting of 10 integrated Pillars, each with defined steps.

TPM<sup>3</sup>-Lean is not necessarily only for manufacturing. It is a way of thinking, a whole systems philosophy which applies to any industry.

### TPM<sup>3</sup> is Unique in that it:

- Initially focuses on **equipment performance** and **reliability**, recognising that if your equipment and people aren't working well, frustrations run high and attempts to introduce Flow and reduce Waste in Value Streams becomes unsustainable.
- Provides **rapid returns on investment** through strategically driven cycles of ongoing improvement activity supported by key performance measures which act as 'drivers' for improving overall company performance.
- Reduces **frustrations** and achieves **engagement** of all employees generating significant positive impact on safety and morale.
- Promotes a **positive behavior change** of the whole workforce with significant benefits for Customers, Employees and Shareholders.
- Takes the mystery out of integrating all the principles, tools, and concepts from traditional TPM, **cutting through all the confusion** providing an approach that works.

The TPM<sup>3</sup> – Lean methodology is based on team improvement recognising the need for both Cross-functional Teams and Area Based Teams.

The Cross-functional Teams focus on breakthroughs using effective Problem Solving and a range of 'drivers' to allow prioritising of opportunities. Its activities provide the breakthroughs in performance that are then underpinned by ongoing Area Based Team activity to develop the skills and abilities of all employees.

Area Based Teams focus on sustained formal continuous improvement to systematically look at their workplace and identify and eliminate any imperfections or defects, to develop the Prevention at Source abilities and further to enhance the Problem Solving skills of all employees. This approach of engagement is referred to as 'pull' culture change and is a critical ingredient in achieving Operations Excellence.

## Learn how to unleash the full potential of your people, equipment and processes as you strive for World Class Performance

## Benefits from The Course

This workshop will outline how to:

- Breakdown barriers and build relationships between Production & Maintenance and Management & Shopfloor
- Understand the entire equipment & process losses within the plant along with whether they relate to technical or people issues
- Improve equipment performance to allow time for operator development through synergistic Area Based Teams
- Improve Communications between shifts to promote sharing of learnings
- Establish agreed standards across all shifts to reduce variation in operation and sustain improvements
- Train the operators to identify at the earliest possible time safety, quality and equipment problems at the source
- Change the equipment so it is easy for operators to find the problems
- Create a maintenance support capability that can respond to small problems and issues identified by the operators to encourage operators to continue to find problems
- Establish stability of the production plan through Flow logic to promote and enable Formal Continuous Improvement

## Workshop Instructor

**Alec Hutcheon**  
(Director of Relogica)

Alec, a Mechanical Engineer by background, has over 15 years international consulting experience in addition to more than 10 years of industry experience in manufacturing having held management positions in Production and Operations. Prior to co-founding Relogica, Alec held senior positions in some of the worlds largest consulting companies including: Associate Partner with IBM Consulting, Director for PriceWaterhouseCoopers Consulting, Director for Coopers and Lybrand Consulting.

Alec has assisted numerous clients undertake operational & maintenance performance improvement projects including TPM<sup>3</sup> implementation in various industries throughout Asia. For the last 10 years Alec has been based in Jakarta focusing on implementing sustainable performance improvements for clients in Indonesia.

## Workshop Outline

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### Why TPM<sup>3</sup> – Lean

The Evolution of Lean and TPM

Sustaining Lean and TPM in an Australasian workplace

Measuring Overall Equipment Effectiveness (OEE)

Key Challenges to implementing Lean and TPM

Why do it

**Promotes positive behaviour change of the whole workforce with significant benefits for Customers, Employees & Shareholders**

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### The 10 Pillars

Development of the 10 Pillars of Improvement activity

Role of Site Leadership

Pillar 1: Safety & Environment Management

Pillar 2: Focused Equipment & Process Improvement

Pillar 3: Work Area Management

Pillar 4: Operator Equipment Management

Pillar 5: Maintenance Excellence Management

Pillar 6: New Equipment / Product / Area Management

Pillar 7: Support Department Improvement

Pillar 8: Value Stream Management

Pillar 9: People & Leadership Development

Pillar 10: Process Quality Management

**A flexible, structured and practical journey consisting of 10 integrated Pillars, each with defined steps**

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### The Pathway

Changing Workplace Culture

A Step-by-Step Implementation Pathway

Getting the Sequence Right

The Road Ahead

**A company wide improvement strategy ultimately involving all employees, suppliers and customers**

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### Hands on Simulations & Exercises:

**Hands-on Simulation** - demonstrating OEE measurement

**Operations Excellence Rating** - how does your site compare?

**Maintenance Excellence Rating** - how does your site compare?

**Workplace Culture Excellence Rating** – how does your site compare?

## Who Should Attend This Workshop

This outstanding two-day workshop is designed for anyone who is interested in improving their workplace and assisting their company to achieve Operations Excellence.

Bring all your key people and save on workshop fees.

## The Key Objectives of TPM<sup>3</sup> - Lean

**Maximise productive capacity** by cost effectively maximising overall workplace effectiveness through the identification and elimination or minimisation of all losses (waste) associated with People, Equipment, Processes and Materials.

**Minimize overall costs** by creating a sense of "ownership" among all employees so they become committed to developing an understanding of how to care for their workplace through a "prevention at source" approach.

**Improve workplace conditions and culture** by establishing everyone's involvement in formal continuous improvement through Cross-functional Teams and Area Based Teams so as to unleash the full potential of employees.

## Relogica & CTPM Australasia

**CTPM Australasia** has a very clear quest: to assist companies to unleash the full potential of their people, equipment and processes as they strive for World Class Performance.

In order to promote the sharing of TPM<sup>3</sup> – Lean experiences to accelerate learning, CTPM was created as a membership-based organization that promotes Networking & Research along with providing public and in-house training, supported by a highly experienced navigation team to help sites along their TPM<sup>3</sup> journey.

**Relogica** is a management consulting firm with passion in assisting organisations in Indonesia to improve the performance of their physical asset. Relogica is the sole business partner licensed to implement and apply the TPM<sup>3</sup> methodology in Indonesia.



## Workshop Registration Form

Please register the following delegate(s) for the Sustainable Business Improvement through TPM<sup>3</sup> - Lean:

1. Name: \_\_\_\_\_

Title: \_\_\_\_\_

2. Name: \_\_\_\_\_

Title: \_\_\_\_\_

3. Name: \_\_\_\_\_

Title: \_\_\_\_\_

4. Name: \_\_\_\_\_

Title: \_\_\_\_\_

Your Name and Title: \_\_\_\_\_

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

Workshop Date:

22 - 23 June 2010, Mulia Hotel Jakarta

## Workshop Fees

US \$700 (excluding VAT). Organizations with three or more delegates will receive a US \$50 discount per delegate and an additional US \$50 discount if delegates register (with payment) 3 weeks before the workshop date.

## Payment Method

Confirmation of your attendance will be issued upon receipt of payment. Please transfer payment to the account below and please send us the proof of transfer by fax.

**Bank Central Asia (BCA)** KCP Atrium Setiabudi  
Account Number: 7660123231 (US Dollar)  
Account Name: PT Relogica Indonesia

## Registration

Please return this form (completed) via fax to:

**Mrs. Maria Gouw**  
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Fax: +6221 5290 3918  
[www.relogica.com](http://www.relogica.com)

Or email the information above to : [maria.gouw@relogica.com](mailto:maria.gouw@relogica.com). Kindly indicate in the subject line: "TPM<sup>3</sup>"