

This workshop has been running for over 13 years , with each year being further refined to provide what is now acknowledged as one of the most comprehensive strategic pathways and frameworks for the TPM & Lean Journey

Advanced Training in getting TPM & Lean to Work

Who Should Attend:

- Leadership Team Members
- Improvement Co-ordinators / Facilitators
- Managers
- Supervisors
- Team Leaders
- Anyone who has attended previous TPM & Lean (TPM³) workshops and now wishes to gain a greater understanding of TPM & Lean (TPM³) implementation
- Anyone wishing to progress to the TPM³ Leadership / Instructor's Course (This workshop is a pre-requisite for the above mentioned course)

If you don't plan to Implement TPM³ into your workforce, you plan to fail.

Chris Galea, Maintenance Planner / TPM³ Co-ordinator, Holden Engine Operations

This 3-day course has re-affirmed my drive and desire to see this process through within my organisation.

Mike Matheson, Improvement Manager, OPAC NZ

Helped me to understand how each Improvement Activity is needed to support the structure of TPM³.

Terry Deed, TPM Facilitator, Nyrstar Port Pirie Smelter,

Three-day interactive...

TPM³ Advanced Training

Workshop Dates: 22 - 24 May 2012

DAY 1 - Leadership & Cross-functional Team TPM³ Activities

Base: Leadership

Activity 2: Focused Equipment & Process Improvement

DAY 2 - Area Based Team TPM³ Activities

Activity 3: Work Area Management

Activity 4: Operator Equipment Management

DAY 3 - TPM³ Support Activities

Activity 5: Maintenance Excellence Management

Activity 6: New Equipment / Product / Area Management

Activity 7: Support Department Improvement



*This workshop is a compulsory component of the
TPM³ Leadership / Instructor's program*

"We should have done this training earlier in the journey, then we would have progressed more quickly on the journey." - **Colin Fergus, Plant Manager, Mars Petcare - Wanganui, New Zealand**

Key Features of TPM³

- Provides rapid returns on investment
- Initially focuses on equipment and process performance
- Recognises that if your equipment and processes aren't working well, frustrations run high and attempts to introduce Lean thinking becomes unsustainable
- Progressively engages all employees so they can achieve and have ownership to the improvements
- Provides a significant positive impact on safety and morale
- Promotes a positive behaviour change of the whole workforce
- Takes the mystery out of integrating all the principles, tools and concepts from traditional Lean

Why Attend This Workshop?

Experience time and again has demonstrated the need for major improvement initiatives to be led by senior management until the new way becomes "the way we do things around here". TPM & Lean needs to be led by senior management who have a good understanding of the many aspects of the journey to ensure correct decisions and adjustments are made to maximise the benefits to employees, customers and shareholders.

The 3-day TPM³ Advanced Training workshop has been specifically developed to assist Leaders and key employees to enhance their knowledge of the practical application of Cross-functional or Area Based Team activities, along with how People & Leadership Development supports Area Based Teams.

A Brief Overview of TPM & Lean (TPM³)

Launched in 1998, TPM & Lean (TPM³) is:

- An enhanced Australasian approach to applying the principles and practices of the Toyota Production System and Toyota Way (Lean).
- A business improvement **strategy** ultimately involving all employees, suppliers and customers.
- A flexible, structured and practical improvement **journey** consisting of 10 integrated Improvement Activities, each with defined steps.

Contents of Day 1

Leadership and the TPM³ Journey Cross-functional Team Activities

2. Focused Equipment & Process Improvement

Overview of TPM & Lean (TPM³)

Leadership and TPM³

- Role of Leadership during the Improvement Journey
- Strategic, Tactical and Frontline Problem Solving
- Tools & Techniques of Problem Solving

Introduction to Cross-functional Teams

- Getting the most from Cross-functional Teams
- Recognising the limitations of Cross-functional Teams
- The importance of a Learning rather than Teaching environment

Introduction to the Focused Equipment & Process Improvement Activity

- Objectives - tangible and intangible
- Defining your Defined Production Areas
- Overview of the 9-step Process of P-D-C-A

Macro Focused Equipment & Process Improvement

- Objectives - tangible & intangible
- Learnings from successful teams
- Establishing the team (Steps 1 & 2)
- Engaging everyone in the Area (Step 3)

OEE Simulation leading to 2nd Level Pareto analysis of losses

- Developing the vision and actions for improvement (Steps 4 & 5)
- Ensuring successful implementation of improvements (Steps 6 - 9)
- Recognising employees

Micro Focused Equipment & Process Improvement

- Objectives - tangible & intangible
- Defining Mandates & Boundaries
- Learnings from successful teams

Special Micro Focused Equipment & Process Improvement: Set-up Time Reduction

- The 3 focuses of Set-up Time Reduction - frequency, duration, sustainability
- A 4 phase process of Set-up Time Reduction

Set-up Time Reduction Simulation - applying the learnings

Workshop Timing (Days 1, 2 & 3):

08.00 Registration Tea & Coffee	13.00 Session 3
08.30 Session 1	14.45 Afternoon Tea & Coffee
10.30 Morning Tea & Coffee	15.00 Session 4
10.45 Session 2	16.30 Close of Workshop
12.15 Lunch	16.30 Networking Drinks (Days 1 & 2)

This workshop has been developed by Ross Kennedy and the CTPM Team of experienced Navigators and incorporates the latest developments in Getting TPM & Lean to Work through TPM³ - Australasian Lean

"Would highly recommend the workshops to anyone going down the TPM & Lean path."

Harry De Jong, Maintenance Group Leader, Holden Engine Operations, Port Melbourne, VIC

Contents of Day 2

Area Based Team Activities

3. Work Area Management

4. Operator Equipment Management

Introduction to Area Based Teams

- Objectives of Area Based Teams and Ownership
- Recognition of Area Based Teams

Introduction to Work Area Management

- Preparation for Work Area Management
- Engaging the workforce

Introduction to Operator Equipment Management

- The Need for Basic Equipment Conditions
- The 4 Stages & 7 Steps of Operator Equipment Management

OEE Simulation leading to 2nd Level Pareto analysis of losses

Stage 1: Recognising Equipment Defects and Making Improvements

1. Cleaning for Inspection
 - Initial Clean for Inspection vs Regular Clean for Inspection
 - Establishing an effective Defect Management System
2. Addressing Sources of Contamination
 - Problem Solving to find Root Causes of Contamination
 - Recognising the improvements
3. Standards for Cleaning and Lubricating
 - Using Visual Controls effectively
 - Reducing "MeanTime to Clean"

Stage 2: Understanding Equipment Functions and Mechanisms

4. Training for Inspection
 - Determining the training needs and tools
 - Creating One Point Lessons
5. Standards for Equipment Diagnosis
 - Setting and maintaining the standards
 - Enhancing the Inspection Sheets

Stage 3: Understanding the Relationship between Quality & Equipment Conditions

6. Process Quality Assurance
 - The role of A3 Worksheets in Problem Solving
 - Starting the journey to Zero Quality Problems

Stage 4: Managing the Workplace (Application Mini Business)

7. Workplace Management
 - The role of Mini Businesses
 - Completing the Journey to Zero Accidents

Contents of Day 3

Support Activities

5. Maintenance Excellence Management

6. New Equipment / Product / Area Management

7. Support Department Improvement

Maintenance Excellence Management Activity

- Business trends and the impact on maintenance
- The Impact of TPM & Lean on the Maintenance Function Framework for Maintenance Excellence
- The 10 Elements of Maintenance Excellence Management
- Understanding the need for Leadership, Capability & Processes

Maintenance Leadership and TPM³

- E1 Vision & Strategy for Maintenance Excellence
- Defining the role of maintenance in a TPM³ environment
- Developing a Maintenance Excellence Management Strategy to support TPM & Lean
- E2 Performance Measures & Scoreboards
- Identifying appropriate measures for your scoreboard
- E3 Organisation Structure & Relationships
- Getting the structure right: Defining the 3 levels required for Maintenance Excellence

Maintenance Capability and Processes

- E4 - E10 Overview of Remaining 10 Elements

Introducing Maintenance Excellence to Your Site

- Role of the Maintenance Excellence Leadership Team
- Selecting the right driver for Maintenance Improvement
- Developing your action plans

OEE Simulation leading to 2nd Level Pareto analysis of losses

- New Equipment / Product / Area Management Activity
- Key Goals of New Equipment / Product / Area Management
- 3 Stages of New Equipment Management
- Life Cycle Cost and TPM³ Friendly as drivers

Prevention at Source Design

Introducing New Equipment Management to Your Site

- Role of the Macro, Micro and Mini Micro Teams
- Defining TPM³ Friendly
- Developing your key objectives and action plans

Support Department Improvement Activity

- Identifying Support Departments that may hinder the TPM³ journey
- Role of Lead Time Reduction and Time Lost as drivers

Example Support Department Improvement Applications

- Do we need a Support Department Leadership Team
- Role of the Support Department Excellence Matrix
- Developing action plans

IN-HOUSE TRAINING AVAILABLE:

CTPM can provide this workshop, along with an extensive range of other TPM & Lean workshops, for in-house Training.

