



A Brief Overview:

Established in 1996, CTPM - The Centre for Australasian TPM & Lean is a team of experienced improvement coaches who guide enterprises as they strive for TPM & Operational Excellence.

Our methodology which can be tailored to suit all situations, has been specifically developed to support the Australasian workplace recognising that every business has the potential to significantly increase productivity and reduce costs by engaging all their people to identify and minimise Equipment Losses, Process Wastes, and Time Lost.

Our approach is tailored to suit each client's needs, and as such we have successfully assisted clients to:

- Strive for and achieve TPM & Operational Excellence through the application of Australasian Total Productive Maintenance (TPM) and Lean
- Learn to use Overall Equipment Effectiveness, Lead Time Reduction, and Time Lost as improvement drivers
- Develop Operator Base Skills to improve equipment performance
- Engage Operators to Care for, and manage their Equipment and Workplace so as to identify problems at the earliest possible time resulting in enhanced performance and reliability while reducing costs
- Create a Visual Workplace so as to identify problems at the earliest possible time
- Reduce Changeover and Set-up times
- Improve Maintenance Department capability
- Use Prevention at Source Design to ensure New Equipment and New Work Areas are 'user friendly' and up and running rapidly
- Establish effective Daily Review Meetings that engage and develop their people, recognising the importance of structure and performance measures
- Develop Frontline Problem Solving Root Cause Analysis capability at all levels
- Reduce variation in processes to enhance Quality
- Develop Frontline Leaders through on-going improvement activities and focused training modules so Supervisors and Managers don't work down a level
- Introduce Flow Logic, starting with the Dominant or Green Product streams, to stabilise the production plan and stop the firefighting throughout the Supply Chain



MEMBERSHIP

Learn from other sites

TRAINING

Accelerate your Learning

ON-SITE COACHING

Learn by Demonstration & Doing

ON-LINE SUPPORT

Review to reinforce the Discipline required

RESEARCH

Learn from Analysis

ASSESSMENTS

Understand the Gaps and Monitor Progress

TPM & Operational Excellence Success Stories



There are many success stories throughout Australia, New Zealand, Thailand and Indonesia covering Manufacturing, Mining, Process, and Service companies. Some of the gains achieved and publicly announced include:

Example Manufacturing Site Achievements

- **AstraZeneca** – after 1 year achieved over \$1.2m in annual recovery
- **Coca-Cola Northmead** – after 4 months increased OEE by 20% on a critical line
- **Coopers Brewery** – after 10 years produced a 48 page booklet to celebrate all the impressive improvements their people had achieved (available from our web site)
- **New Zealand Sugar** – over 4 years achieved Level 3 while reducing Lost Time Injury Frequency rate from 9.8 to Zero, along with significantly improving capacity and reducing costs
- **Sugar Australia Glebe** – a small site of 20 people who, over 5 years, achieved over \$1.2m in savings



Example Mining Site Achievements

- **Banpu Lampang Thailand Open Cut Coal Operations** – within 5 years achieved Level 5 and reduced average maintenance by 50% while increasing output by more than 30%
- **PT Kitadin Indominco Indonesian Coal Processing & Port Operation** – within 7 years achieved Level 4 and generated over \$25m
- **PT Kaltim Prima Coal Open Cut Coal Mine in Bontang Indonesia** – over 2 years achieved total accumulated benefits of \$135.5m
- **Zinifex Rosebury Tasmania Metalliferous Underground Mine** – over 3 years achieved savings of \$6.6m



TPM & Operational Excellence initiatives while rewarding your People with a Nationally Recognised Qualification

Competitive Systems and Practices Quals aligned with our Australasian TPM & Lean Methodology

MSS30316 Certificate III in Competitive Systems and Practices

MSS40316 Certificate IV in Competitive Systems and Practices



CTPM Australasia Pty Ltd
RTO No.: 91301

Our unique approach links our methodology and focus on TPM & Operational Excellence to the training and assessment of Competitive Systems and Practices Certificate III and IV full and part qualifications, thus allowing employees, once enrolled to be:

- Formally recognised with a National Qualification as they contribute to the company's strategically driven on-going improvement activities, rather than just complete a series of often ad-hoc projects to satisfy their training requirements.
- Practically assessed in the workplace rather than in the classroom for the required units while they are either Team Members or Team Leaders of improvement teams.



Contact CTPM Head Office on **+61 2 4226 6184** and talk to our experienced staff who have been assisting enterprises for over 20 years. We can visit your site / office, review your current operations and assist you to identify the most appropriate improvement opportunities. If possible, we can link a relevant unit or units from a Cert III or IV in Competitive Systems & Practices qualification, and provide further information on how government funding can work for you.

Assisting Sites to Strive for World Class using the 5 Level Milestone Excellence Award

A question often asked:

What is needed to be a World Class site?

We have found there to be 3 critical ingredients:

1. Gold Medal to strive for (Improvement Vision)
2. Great Coach with a Proven Development Plan
3. Discipline to follow the Development Plan

To assist sites on their journey to World Class performance, CTPM created the 5 Level Milestone Excellence Award supported by our Milestone Assessment Process in 2002.

The Milestone Assessment Process provides a ranking based on a series of self-assessment criteria which is the precursor to an external verification assessment to allow the awarding of the achieved level of the 5 Level Milestone Excellence Award.

Feedback also provides a gap analysis for planning future activities on your Improvement Journey.

The assessment covers four key aspects of your TPM & Operational Excellence journey:

- Leadership of the Improvement Journey
- Capability to support the Improvement Journey
- Improvement Activities
- Impact on the Business



Level 5

Banpu Lampang Coal Mine – Thailand
PT Kitadin Tandung Mayang Mine – Indonesia

Level 4

PT Indominco Mandiri Coal Operations – Indonesia

Level 3

NZ Sugar Company – Birkenhead NZ
Sugar Australia – Glebe Island NSW
Uncle Toby's Company – Smithfield NSW

Level 2

ACI Plastic Packaging – Kirrawee NSW
ArcelorMittal Tailored Blanks Adelaide – SA
B&D Doors & Openers – Revesby NSW
Simplot Australia – Devonport TAS
Simplot Australia – Echuca VIC
Simplot Australia – Ulverstone TAS
Sugar Australia – Yarraville VIC

Level 1

Cedenco Foods New Zealand – Gisborne NZ
Hynds Pipe Systems – East Tamaki NZ
Juken New Zealand Limited – Northland NZ
Simplot Australia – Bathurst NSW
Simplot Australia – Kelso NSW
Sugar Australia – Mackay Port QLD

43 Awards to 19 Recipients achieved since October 2002



What are the 5 Levels?

Each level is a stepping stone covering three aspects of your Improvement Journey:

- How much of your site is involved and ready for assessment
- The number of Improvement Activities being assessed
- The level of competence (score) in each assessment sheet

| Level | Coverage of Assessment | Activities | Score |
|-------|------------------------------------|------------|-------|
| 5 | 100% of Site | 10 | 90% |
| 4 | 75% of Site | 8 | 85% |
| 3 | 50% Production & Maintenance Areas | 6 | 80% |
| 2 | 25% Production & Maintenance Areas | 5 | 70% |
| 1 | 2 Production (Pilot) Areas | 4 | 60% |

Visit CTPM's website at ctpm.org.au and sign-up to become a Site Member for an annual fee of only \$200 (incl GST). As a member you will gain access to our internationally recognised 5 Level Milestone Excellence Award, which will help you monitor your TPM & Operational Excellence journey, and assist to refocus your improvement strategy.

Developing in-house improvement capability

TPM & Lean Leadership & Instructor's Program

The Australasian TPM & Lean Leadership & Instructor's Program provides specialist training for employees whose primary role is to lead or facilitate the introduction and implementation of TPM & Operational Excellence within their organisation.

To ensure sufficient practical experience is gained in their own workplace, the Program typically spans 3 - 9 months and involves our:

- **2-day Introduction to Australasian TPM & Lean workshop** (Strategic Focus);
- **3-day Australasian TPM & Lean Advanced Training workshop** (Tactical Focus); and
- **5-day Live-in Australasian TPM & Lean Leadership & Instructors Course** (Key Attributes Focus).



Key Attributes:

Since 1996 we have observed that the most effective and successful Improvement Co-ordinators, Champions and Team Leaders are those that have been given the opportunity and time to develop not only good interpersonal and team development skills to facilitate change but most importantly the following key attributes:



Understanding of the 'inductive' pull nature of Australasian TPM & Lean as opposed to our more traditional 'deductive' push approach to improvement

Skill to handle the sensitive nature of 'pull' change within the workplace as opposed to our more traditional 'push' approach to improvement

Sensitivity to recognise the emotive nature of some of the concepts of Australasian TPM & Lean when delivering training to an audience more familiar with traditional thinking

Passion from experiencing success of TPM & Operational Excellence in their own workplace

Confidence to present new material to a doubting audience

Experience to handle the tough questions that change generates

Companies that have followed this path have, produced both the best Improvement Leaders & Instructors and achieved the most impressive performance results for their company as demonstrated by the sites that have achieved our 5 Level Milestone Excellence Award. See previous page.

TO DATE:

362 participants from 81 companies throughout Australia, New Zealand, Thailand, India, Indonesia and Saudi Arabia have completed our program



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