

# TPM Total Productive Manufacturing/Maintenance

A 2-days course by **Andrew Cheah**  
who has more than 18 years of practical industry experience.

This course is particularly useful for companies aiming to **improve productivity and machine utilization**. It results in achieving a more profitable and efficient operation, as well as transforming the workforce culture.



**Look after your income generating physical assets  
to achieve improvements in cost, quality, speed, etc.**

The **New TPM – Total Productive Manufacturing** is a manufacturing led initiative that emphasizes the importance of people, a 'can do' and 'continuous improvement' philosophy and the importance of everyone, not just production staff, working together. It is presented as a key part of an overall manufacturing philosophy.

### **Target Group**

The target audiences include ALL

- ⇒ Supervisors, Executives,
- ⇒ Engineers and Managers from Maintenance,
- ⇒ Quality, Process,
- ⇒ Planning, HR & Safety, and
- ⇒ Production.

### **At the end of this workshop, participants will learn how to:-**

- ✓ Achieve leaner organizational structures and reduce cost
- ✓ Rigorously reappraise the way things are done - towards simplification
- ✓ Improve performance through the use of appropriate measurement
- ✓ Handle changes as a result of having to do things differently
- ✓ Instill upon the concept of productivity and continuous improvement
- ✓ Enhance quality and build that into a teamwork

For more information, please contact

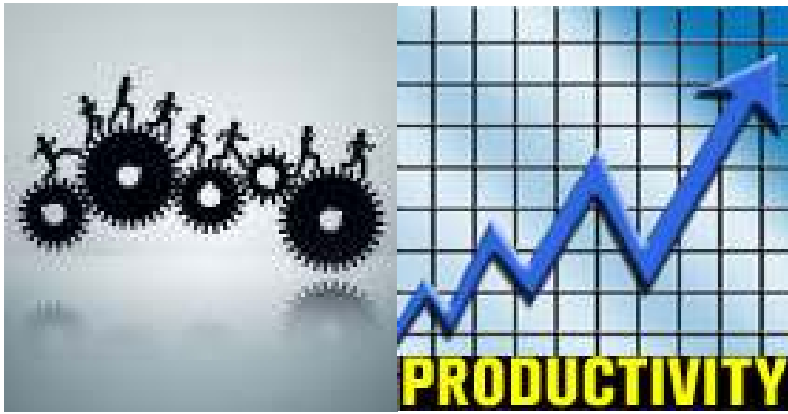
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# TPM - Total Productive Manufacturing / Maintenance



## Trainer's Background

**Mr. Andrew Cheah** has more than 18 years of consulting and training experience; specializing in the areas of productivity improvement, cost savings, behavioral change survey and training. He has extensive consulting experience in Indonesia, Thailand and Malaysia. His clients came from diverse industries; Electronics & Electrical, Steel Mill, Food Processing, Fertiliser, Garment & Knitting, Furniture and Yarn/Thread.

His last position was the Vice President of Operations before joining the manufacturing fraternity as Head of Departments with multiple responsibilities in the areas of Training, Facility, Industrial Engineering, Productivity, and Safety. Under his leadership, the company won the National Productivity Award in 1999, organized by the National Productivity Corporation (NPC) and presented by the previous Malaysian Prime Minister, Tun Dr. Mahathir. He became the General Manager for an organization listed on the main board in Bursa Malaysia before setting up his own management consultancy practice.

Andrew is also an active contributor to the industry. Andrew was invited to speak in the International Conference on Best Practices which was graced by senior officials from the Ministry of International Trade and Industry (MITI), sharing the stage with Professor Michael Gregory of the University of Cambridge, Mr Dieter Heyl (Vice President of DaimlerChrysler Malaysia), and Dr Marcus Chao, President of Lean China Enterprise Inc.

Andrew has an MBA degree qualification with the University of Portsmouth, UK. His experience in international consultancy has earned him a membership with the Association of Productivity Specialist (New York), also a qualified ISO 9000 assessor (QMI/SIRIM). He speaks fluent English, Mandarin, and Bahasa Malaysia.

## Topics to Be Covered

### What is a World Class Organization?

- ✓ Cost Perspectives and Effectiveness

### TPM Definition

### Features of TPM

### Origins of TPM and comparison with TQM and Traditional Maintenance

### TPM Principles

### Eight Major Pillars of TPM:-

#### 1. Autonomous maintenance

- Process, Objectives, and Empowerment

#### 2. Equipment and process improvement & Overall Equipment Effectiveness

- Equipment losses
- Manpower losses
- OEE Calculation
- Other losses

#### 3. Planned maintenance

- Definition of a plan

#### 4. Early Management of New Equipment

- Relationship with Ergonomics

#### 5. Process Quality management

- Understanding process quality related statistics & computation

#### 6. TPM in administrative and support departments

- How to get others to be involved?

#### 7. Education and training

- Communication, team formation, problem solving

#### 8. Safety and environmental management

- TPM implementation
  - \* 3 requirements for fundamental improvement
  - \* 12 implementation steps & 4 phases
- TPM benefits – tangible and intangible

## Clients trained by Andrew Cheah

- Antah Schindler
- Dell Asia Pacific
- Eastman Chemical Singapore P/L
- Hicom-Honda Mfg (M) S/B
- Infineum Singapore P/L
- Intel Products (M) S/B
- Kah Motor (Honda) Co S/B
- Samsung Electronics Malaysia
- Schmidt Electronics (SEA) P/L

*And more....*