



ELIMINATING THE 8 WASTES IN MANUFACTURING TO BOOST PROFITABILITY

March 2-3, 2026 (Monday-Tuesday)

8.45 am – 5.00 pm **FMM Institute, Perak**

This workshop must be attended if your operations need to become more responsive to your customer's needs. You will be introduced to the many concepts that fall under the umbrella of lean, more so you will also get tangible ideas that you can take back to work and implement. The 8 Wastes in Lean Manufacturing can help you to substantially reduce inventories, Work-In-Process, required floor space, cycle times and lead times. It can also dramatically improve quality connecting processes and people to allow errors to be caught faster.

COURSE CONTENTS

Module 1 - The History of Lean Transformation

- Introduction to Lean
 - ✓ The history of TPS
 - ✓ Craft Manufacturing to Mass Production
 - ✓ Mass Production to Lean
 - ✓ Traditional Steps of Manufacturing
 - ✓ Objectives of Lean & Why is it Important to make this transformation

Module 2 - The Lean Principles

- Just-In-Time (JIT)
 - ✓ Value
 - ✓ The Value Stream
 - ✓ Flow System
 - ✓ Pull & Kanban system
 - ✓ Perfection

Module 3 - Value Analysis

- Analysis Value versus non-value added activities to make the transformation
 - ✓ Muda, Mura, Muri
 - ✓ Gemba-Gembutsu
 - ✓ Identify and analyse Non-Value-added activities
 - ✓ Identify and analyse value-added activities

Module 4 - The Eight Waste

- Identification and elimination of Muda
 - ✓ Transportation
 - ✓ Inventory
 - ✓ Motion
 - ✓ Over-production
 - ✓ Over-processing
 - ✓ Waiting
 - ✓ Defects
 - ✓ Non-Utilized Skill

Module 5 - The Tools of Lean

- When and How to Use Lean Tools
 - ✓ 5S- Sort, Set in Order, Shine, Standardize, Sustain
 - ✓ Identification and elimination of Muda.
 - ✓ 5S- Sort, Set in Order, Shine, Standardize, Sustain
 - ✓ Jidoka- Autonomation, TPM
 - ✓ Poka-Yoke for Error Proofing
 - ✓ Takt-Time for Flow
 - ✓ Pull System, Kanban
 - ✓ Quick Changeover/ SMED- For Flexibility
 - ✓ Cell Concept

Module 6 - Conclusion

- Getting started
 - ✓ Sample Case Studies
 - ✓ Change Agent
 - ✓ Projects

OBJECTIVES

- Be able to analyse value
- Serve as an eye-opener to see & attack waste
- To be able to start lean transformation projects which are effective
- Learn the lean culture & eliminate waste
- To reduce lead time by removing wasteful processes
- To be relevant in the eyes of the customer by providing value added services
- customer by providing value added services!

TRAINING METHODOLOGY

Informative presentation, Group discussion & Presentations, Real Case Studies & Video Presentations



LEARNING OUTCOMES

- Understand and implement lean activities
- Able to identify wastes in the shop-floor- to generate lean project ideas
- Able to differentiate between value and non-value added activities in order to transform to become a lean organization

WHO SHOULD ATTEND

- Engineers, managers, supervisors, manufacturing personnel, team leaders, executives and change agents
- Anyone who wants to make improvements happen and to create value for the company

Enquiries – please contact **Ms Vaani / Pn Eda / Ms Harvindar**

(05) 548 8660 **(05) 548 8221** **fmm_institute_perak@fmm.org.my**

TRAINER

MR AMOS ANDREW A/L ANDREW holds a Bachelor of Engineering (Honours) degree in Industrial Engineering from the University of Bradford, UK. He is a registered member of the Society of Manufacturing Engineering (SME) and has served the Multinational Companies in the capacity of Senior Industrial/Lean Engineer. Thereafter he went into coaching and trainings related to continuous improvements, leadership and change management as a technical training manager in a multinational company based in Vienna, Austria. Being trained in Japan under Toyota and benchmarking various world class companies in Japan such as Mitsubishi Motors, Lexus, Toto, Denso and many more, Mr Amos holds a high credibility in sharing his experience from the best manufacturing companies in the world. He has also been awarded the Lean Bronze Certification, USA and the Global Leadership Train the Trainer Program. Maynard has certified him as a Blue Card Holder of Basic MOST, which is a work method standardizing technique in industrial Engineering.

With his 10 years of experience in various manufacturing industries, Mr Amos has coached, trained and developed many participants specialising in the areas of Lean Manufacturing, 6S Implementation, Problem Solving, Work Study / Time Study, Kaizen Implementation and Leadership Skills. He has trained many multinationals such as Shell, Top Glove, Affin Bank, Semperit Group, Pen Group, CJ Bio, Recron, Johnson Matthey, KESP, South East Technologies, Mattel and many more. Mr Amos is a registered trainer with HRDF.

Closing Date: FEBRUARY 23, 2026

COURSE DETAILS

Date **March 2-3, 2025 (Monday-Tuesday)**
Time **8.45am - 5.00pm**
Venue **FMM Institute Perak**
No 1, Lorong Raja DiHilir, 30350 Ipoh, Perak
Medium of Instruction **English**
CPD: **14 hours**
Fees: **Members RM1,134.00/pax**
Non-Members RM1,296.00/pax
(Fees inclusive of Service Tax at 8%, Course Materials, Refreshment, Lunch and Certificate of Attendance)

ADMINISTRATIVE DETAILS

HRD CORP CLAIMABLE COURSE DETAILS

- Training Provider: **FMM Institute Perak** ■ MyCoID : **475427W_PERAK**
- HRD Corp Programme No: **Provided upon confirmation**

DISCLAIMER

The FMM Institute reserves the right to change the facilitator, date and to vary / cancel the course should unavoidable circumstances arise. All efforts will be taken to inform participants of the changes.

REGISTRATION

- Upon **Faxing/Mailing** the completed **Registration Form** to FMM Institute, you are **deemed** to have read and **accepted** the terms and conditions. The **course** would also be **deemed** as **confirmed** unless informed otherwise.
- Will be based on First-Come-First served basis.

PAYMENT

- **Cheques** made in favour of "**FMM Institute**" should be forwarded to FMM Institute Perak.
- For **HRD Corp Claimable Course**, an **Attendance of 100% is a must**, in any case, **employers will be billed in full**.
- FMM Institute SST Registration No. **W10-1901-32000105**
- FMM Institute TIN No. **C10626805080**

CANCELLATION

Must be in Writing with Reasons ■ 7 days before the course – No payment charged ■ 3 – 6 days before the course - 50% payment charged ■ < 3 days before the course – Full payment charged ■ Participants who did not turn-up will be charged full payment ■ Replacements can be accepted at no additional cost

~ Registration Form ~

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FMM Institute

No 1, Lorong Raja DiHilir, 30350 Ipoh, Perak

Fax: 05-5488221

Dear Sir / Madam, please register the following participant(s) for the above programme.

1.	Name		Designation	
	NRIC		HP No	
2.	Name		Email	
	NRIC		Designation	
3.	Name		HP No	
	NRIC		Email	

(Please attach a separate list if space is insufficient)

We hereby confirmed that (Please tick (✓) in appropriate box):-

We **will be claiming from HRD Corp** and full payment would be made to FMM Institute in the event that no disbursement from HRD Corp under any circumstances

We will **NOT BE CLAIMING from HRD Corp**. Enclosed cheque/bank draft No _____ for RM _____ being payment for _____ participant(s) made in favour of the "**FMM Institute**".

Submitted by:

Name:	Designation:	
Company:	Tel:	Fax:
Address:		
Email:	FMM Membership No	