

# LEAN PRODUCTION SYSTEM LEAN APPLICATION IN FACTORY

## 1 Kiken Yochi Training (KYT)

- Kiken (hazard), Yochi (prediction), and training overview
- Unsafe Acts and Unsafe Conditions
- Introduction to STOP 6
- KYT 4-Step Cycle

## 2 Good Quality Control

- History of JIDOKA (Autonomation = Automation with Human Intelligence)
- Prevention of Defect Outflow
- Defect Reduction Activities

## 3 The Power of Suggestion Scheme

- Benefits of the Suggestion Scheme for Employers and Employees
- How to generate brilliant ideas

## 4 LPS's 8 Control Tool

- Production Performance Analysis Sheet (PPA)
- Kaizen Plan Sheet (KPS)
- Standardized Work Sheet

## 5 Employee Improvement Activity

- Introduction to SGIA
- Workshop on SGIA
- Project Activity

## Requirements

- Malaysian citizen
- Age 20 years old and above
- Existing workers (Supervisor/Technician/Leaders level and above)
- **Fee : RM 1,000 per pax**

**Register here**



**For more information**  
[scd@marii.my](mailto:scd@marii.my)

Mohandass A/L Sammugom : 016 - 282 8467  
Fazirul Nizar Dzulkifli : 013 - 353 0430



# LEAN PRODUCTION SYSTEM LEAN MANAGEMENT

**1**

## How to Leverage Clear and Concise A3 Reports

- Benefits of using an A3 report
- What is Consensus Building and its process flow
- How to write an A3 report, including layout and structure
- Key elements of an A3 report
- 4 Types of A3 reports and their functions
- Case study: Write and present an A3 report based on a given scenario

**2**

## 8 Steps to Effective Problem-Solving Skills

- Introduction and detailed explanation of each step
- Do and Check Cycle
- Act Cycle

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# LPS PROCESS OPERATION CERTIFICATION PROGRAM



## LEAN PRODUCTION SYSTEM

Lean Production System (LPS) is a management philosophy and set of principles aimed at maximizing efficiency and minimizing waste in manufacturing processes.

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### 3 Days Training + Sijil Kemahiran Malaysia (SKM) Level 3 in LPS Process Operation

## LEAN PRODUCTION SYSTEM



#### LPS Material Flow Development

- Current Material Flow
- Creating Product Matrix Table (PMT)
- Establish current Material Information Flow Chart (MIFC)

#### LPS Standardized Work (SW) Operation

- Determine Takt time requirement
- Define machine/assembly capacity
- Perform time study activities
- Prepare Standardized Work Combination Table (SWCT)

#### LPS Change Over Improvement

- Analyze current change over process
- Transfer online to offline process
- Reduce online process timing
- Perform new change over standard process

#### 5S Activities

- Implement Sorting (Seiri)
- Implement Stablizing (Seition)
- Implement Shine (Seiso)
- Implement Standardizing (Seiketsu)
- Implement Sustaining (Shitsuke)



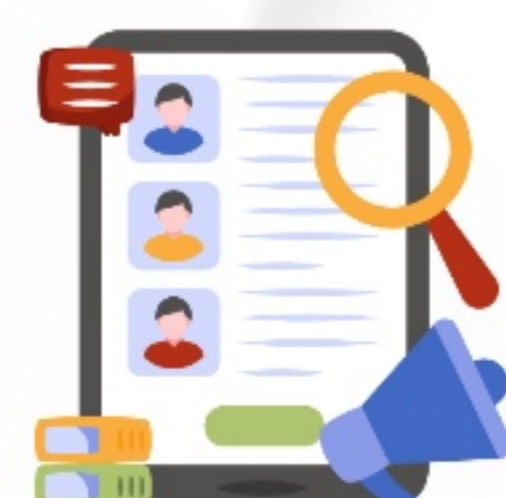
#### LPS Supervisory Function

- Assess LPS Activities requirements
- Monitor LPS Activities related to Safety, health and Enviromental compliance
- Supervise LPS operation
- Carry out LPS handling activities
- Coordinate new or existing employees training on LPS

### Requirements



- Malaysian citizen
- Age 20 years old and above
- Existing workers (Supervisor/Technician level and above) with **minimum 3 years continuos experience in Manufacturing Process and Lean Production System (LPS)**
- Fee : RM 2,500 per pax (**HRDCorp Claimable**)



Candidate



Working Experience



SKM Certification

# LEAN PRODUCTION SYSTEM PROCESS OPERATION PROGRAMME

## 1 Introduction to LPS

- LPS Principles & History, JIT (Just-In-Time), and Jidoka explanation
- Importance of cost reduction
- 7 Types of MUDA (Waste) & 3Ms (Muda, Mura, Muri)
- Kaizen Principle
- Heijunka

## 2 5S Activities

- History of 5S
- Sort, Set in Order, Shine, Standardize, Sustain
- Practical examples of each step

## 3 LPS Changeover Improvement (SMED)

- Introduction to SMED (Single-Minute Exchange of Die)

## 4 LPS Supervisory Function

- Roles & responsibilities of supervisors
- Skills required for effective supervision
- 6 Types of workplace accidents

## 5 LPS Standardized Work (SW) Operation

- Time study
- Machine capacity sheet and OEE
- Standardized work procedures
- Combination table

## 6 LPS Material Flow Development

- MIFC symbols & production system
- Clarifying current vs. ideal situation
- Lead time calculation

## Requirements

- Malaysian citizen
- Age 20 years old and above
- Existing workers (Supervisor/Technician/Leaders level and above)
- **Fee : RM 1,000 per pax**

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