



## CQE Training & Consultancy Plt (Reg No. : LLP 000368 LGN)

Registered Office : No. 46, Lorong Bintang, Taman Tasik Permai, 34000 Taiping, Perak. Malaysia.

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# LEAN WAREHOUSE / SUPPLY CHAIN MANAGEMENT (SCM) TRAINING (PUBLIC / IN-HOUSE TRAINING PROGRAMME)

SBL  
Scheme



## Introduction

The need to maintain *competitiveness, organization business continuity and sustainability* and the emergence of systems thinking and approach has guided many organizations to adopt the use of *popular lean thinking* in the business operation management. With the growth of the global supply chain, warehouses are constantly under pressure for better, faster, more efficient performance. As this pressure grows, the role of “*Lean Warehouse Management*” becomes increasingly relevant. However, since lean is relatively new to the warehousing industry, many of us may not be acquainted with it yet. So, here's what it is and why your warehouse needs to be lean, too.

## What is Lean?

The lean way of thinking was developed by Toyota for automotive manufacturing. It aims to eliminate any activity or procedure that uses resources but does not add value in return. It is a systematic method to minimize **wastage** (“**Muda**”) without compromising productivity. It also aims at eliminating wastage created because of **overburden** (“**Muri**”) as well as because of **inconsistency in workload** (“**Mura**”).

Here is the basic principle that Lean Thinking follows:

**Define → Measure → Analyze → Improve → Measure**

## What is Lean Warehousing?

Modern-day warehouses are not restricted to storage. Since their operations include processes such as receiving, put-away, picking & packing, and dispatch, etc., the lean methodology is also being applied to warehousing.

In the context of warehousing, the idea is to eliminate those processes and activities that are absorbing resources but are not creating any additional value. This is done by applying the 5S system of lean, which are **Sort, Straighten, Shine, Standardize, and Sustain**, to the processes and procedures of the warehouse.





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## Learning Outcomes/Objectives

**Also available as  
in-house programme**

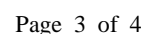
**T**he purpose of this training is to equip delegates with the knowledge and skills needed to perform Lean Warehouse changes and implementation within the organization. On training completion participants will be able to:-

- ✓ In-depth understanding on the Lean Thinking and Concepts;
- ✓ Describe the meanings and requirements of Lean and Lean Warehouse Management (LWM) ;
- ✓ Recognize the relationship between Six Sigma, Lean Six Sigma and Lean Warehousing;
- ✓ Why Lean is critical and important for Warehouse Management?;
- ✓ The implementation of basic key activities / key pillars in Lean Warehouse Management;
- ✓ Establishing, implementing, maintaining, reviewing and finally continually improving the LWM related business operation fulfilling the organizational business KPIs and objectives.

## COURSE CONTENTS

### Day 1

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| <ul style="list-style-type: none"> <li>✚ Registration Sign In / Pre-Test</li> <li>✚ Introduction / Ice-breakers (Warm-up exercise)</li> <li>✚ Current global growth and needs of supply chain management</li> <li>✚ Lean Thinking in Warehousing</li> <li>✚ What is Lean? What is 6 Sigma?</li> <li>✚ What is Lean Warehouse Management?</li> <li>✚ Why Lean Warehouse Management is vital and important?</li> <li>✚ Lean Warehouse Management (LWM) challenges</li> <li>✚ 5S Methodology for LWM</li> <li>✚ LWM – Definition, Differences and Principles to guide you</li> <li>✚ Inventory Management versus Warehouse Management</li> <li>✚ Warehouse Management Principle – be data-driven, gain control, be flexible, invest in technology and customer focus.</li> </ul> | <ul style="list-style-type: none"> <li>✚ Warehouse Management Process – 5 Key Ingredients <ul style="list-style-type: none"> <li>○ Clear-defined workflows</li> <li>○ Empower your team</li> <li>○ Fully utilize your resources</li> <li>○ Ensure customer satisfaction</li> <li>○ Improve your bottom line</li> </ul> </li> <li>✚ Warehouse arrangement and setup <ul style="list-style-type: none"> <li>○ Introduction, define and design</li> <li>○ Location, layout, inventory &amp; safety</li> </ul> </li> <li>✚ Warehouse Operation Management <ul style="list-style-type: none"> <li>○ From receipt to delivery</li> <li>○ Lean warehouse management</li> <li>○ Putaway process, order lead-time</li> </ul> </li> <li>✚ What is Warehouse Fulfillment? <ol style="list-style-type: none"> <li>1. Defining the moment that matters most</li> <li>2. Picking, packing and shipping</li> </ol> </li> <li>✚ Warehouse Technology <ol style="list-style-type: none"> <li>1. Barcode scanner and system</li> <li>2. RFID (Radio frequency identification)</li> <li>3. Bluetooth or USB connected</li> </ol> </li> <li>✚ Warehouse Management System (WMS) <ol style="list-style-type: none"> <li>1. Third-Party WMS</li> <li>2. Cloud-Based WMS</li> <li>3. ERP software</li> </ol> </li> <li>✚ Warehouse Management Template</li> </ul> |
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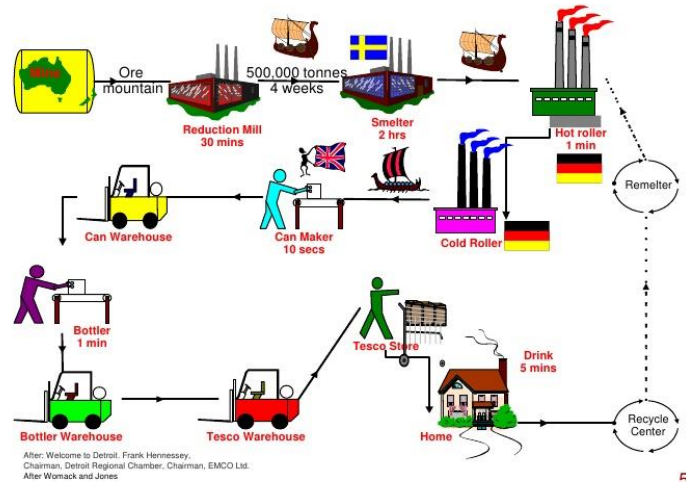
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### Value stream for cola - steps



50



## Top Five Warehouse Management Problems and How to Fix Them



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