



LEAN STRATEGIES – REDUCE PRODUCTION WASTE

WHO SHOULD ATTEND?

Production, Factory, Product, Process, Line, Supply Chain, Project, Material – Planners, Executives, Managers and People involved in Production Waste Elimination



SMI LEARNING OBJECTIVE

SMI SKILL ONE Know your Customer Value – Quality, Design, Material, Costs, Service, Speed, Usage, etc.

SMI SKILL TWO Transport NECESSARY vs PURE Waste Analysis – Material and Inventory Strategies!

SMI SKILL THREE Vendor Reduction Strategy – Develop Loyal and Flexible Vendor for Lean Production!

SMI SKILL FOUR Kanban Implementation – Transform Traditional Production to Kanban Operations

SMI SKILL FIVE Identify Overproduction Waste – Implement SMED and Cycle Time Strategies!

SMI SKILL SIX Extra Features = Extra Costs – Identify Non-Value Added Feature and Eliminate Waste!

SMI SKILL SEVEN Mistake Proofing Strategy – Brainstorm Present and Future Poka-Yoke Solutions!

SMI SKILL EIGHT 5'S Housekeeping Improvement – Review and Improve Present 5'S Practices!

SMI SKILL NINE Production Manager in Staff Development – Right Team and Training Programme!

“ THE WORLD HAS CHANGED ”

The IMPOSSIBLE Happened! A Worldwide Shutdown 2021; this CHANGES EVERYTHING in Production Operations and a NEW NORMAL will emerge!

A Worldwide Recession, Business Model Change, Work from Home, Communication Delays, Reduced Investments, Compulsory Health Screening, IT Dependence, etc.

The more 'adept' companies will achieve Profits Faster. We MUST expect Supply Chain Disruptions, Vendor Financial Meltdown, Lack of Materials, Slow Operations, Unpredictable Demands and a myriad of NEW CHALLENGES, NEVER EXPECTED!

The LEAN PRODUCTION RESET in Rethinking 'Traditional' Strategies, Persuade Stakeholders to CHANGE and Support New Initiatives – Creative Strategies, Practical Solutions and Move Away from Current Practices – It requires a Paradigm Shift!





LEAN STRATEGIES – REDUCE PRODUCTION WASTE

Smart Production –
Brainstorm 'NEW'
Ideas to Reduce
Production Cost

PART A “LEAN STRATEGIES – SMART PRODUCTION”

- 1. The 'Smart' Production 2021** – Customer Orders, Material Delays, Worker Retrenched, Cost Down Pressure, etc.
- 2. Lean Strategies** – Create Customer Value, Reduce Unnecessary Waste, Develop Lean Culture!

PART B “CREATE CUSTOMER VALUE and ELIMINATE WASTE FOCUS”

- 1. CREATE CUSTOMER VALUE vs PRODUCTION WASTE**
 - A. Customer Desires a Production Focus** – Create Value via Customer, Marketing, R&D/Project Brainstorming!
 - B. Eliminate WASTE** – Defects, Over Produce, Motion, Extra, Waiting, Transport, Inventory, Staffs!
 - C. SMI Skill ONE** – Know Customer Value – Quality, Design, Material, Costs, Service, Speed, Usage, etc.

PART C “ELIMINATE WASTE FOCUS – UNNECESSARY and OVER-DOING”

- 2. MATERIAL MOVEMENT – TRANSPORTATION WASTE**
 - A. Vendor Transportation and Storage Costs** – Last Minute Order, Mistakes, Over/Under Stocks, etc.
 - B. Transport Waste Reduction** – Small Quantity Order, Last Minute, Mistakes, Staff Attitude, etc.
 - C. SMI Skill TWO** – Transport NECESSARY vs PURE Waste Analysis – Material and Inventory Strategies!
- 3. 'JUST-in-CASE' INVENTORY – OVERSTOCK WASTE**
 - A. Excessive Inventory and Storage Costs** – Equipment Movement, Space, Staff Time, Accidents, Missing, etc.
 - B. Inventory Strategies** – Loyal Vendor, Kanban Push/Pull, Vendor Location, VMI, Consignment, etc.
 - C. SMI Skill THREE** – Vendor Reduction Strategy – Develop Loyal and Flexible Vendor for Lean Production!
- 4. 'UNNECESSARY' DELAY – WAITING WASTE**
 - A. Delay, Delay, Delay** – Good Delivery, Equipment Repair, Document Approval, Procrastination, etc.
 - B. Kanban and Seiketsu** – Process Standardisation, To Do vs Doing vs Done, Kanban Card, etc.
 - C. SMI Skill FOUR** – Kanban Implementation – Transform Traditional Production to Kanban Operations

5. EXCEED CUSTOMER DEMAND – OVERPRODUCTION WASTE

- A. Unnecessary Over Production** – Transport, Inventory, Waiting, Rework, Staff WASTE!
- B. Reduce Overproduction Strategy** – Implement Shorter Setup Time, TAKT Time and Kanban Pull System
- C. SMI Skill FIVE** – Identify Overproduction Waste – Implement SMED and Cycle Time Strategies!

6. REDUCE EXTRA TASKS – OVERPROCESSING WASTE

- A. Extra Staffs, Materials, Equipments** – Analyse and Calculate Equipment, Staff, Material Productivity
- B. Reduce EXTRA Processing** – Clear Work Plan/Quality Standards, Final Critic and Change Approval!
- C. SMI Skill SIX** – Extra Features = Extra Costs – Identify Non-Value Added Feature and Eliminate Waste!

7. DEFECTIVE and REWORK – ELIMINATE DEFECT WASTE

- A. Unnecessary Scrap and Rework** – Human Mistakes, Prevent Errors, Only Correct Items!
- B. Mistake Proofing (Poka-Yoke) Setup** – Detect Error (Contact, Fixed Value, and Motion Setup)
- C. SMI Skill SEVEN** – Mistake Proofing Strategy – Brainstorm Present and Future Poka-Yoke Solutions!

8. WASTING TIME – REDUCE MOTION WASTE

- A. Unnecessary Time Wasters** – Workplace Design Setup, Locating Materials and Equipments
- B. 5'S Housekeeping Culture** – Implement Seiri, Seiton, Seiso, Seiketsu, Shitsuke in Workplace!
- C. SMI Skill Eight** – 5'S Housekeeping Improvement – Review and Improve Present 5'S Practices!

PART D “LEAN STRATEGIES IMPLEMENTATION”

9. PRODUCTION LEADERSHIP in LEAN ACTION PLAN

- A. Production Manager Leadership** – Develop Team Capability, Confidence and Motivation to KILL WASTE!
- B. Creative Problem Solving** – Develop Team Solution to Overcome Lean Implementation Problems!
- C. SMI Skill NINE** – Production Manager in Staff Development – Right Team and Training Programme!