

Training Objectives

- ★ Participate in a company's Lean process
- ★ Manage continuous improvement projects
- ★ Train and coach Yellow Belt level operators

PROGRAM OVERVIEW

DEFINE

History of Lean, the 5 principles of Lean, the 7 wastes, VA and NVA, the Gemba Walk, the 5S, the basics of project management, etc.

MEASURE AND ANALYZE

Problem solving, Spaghetti flow, re-implantation, Takt Time and cycle time, basics of OEE/GEE, etc.

INNOVE

Theory of constraints, Kaizen project, WIP management, Little's law, batch size, quality control tools, maintenance, etc.

CONTROL

Involvement of the personnel, animation rituals and visual management.I.

PLAN PRODUCTION ACCORDING TO COMPLEX ORDERS

Queueing tool, customer order information (ERP), product mix, changeover planning, etc.

IMPROVE AND STRETCH THE FLOWS

Takt Time, existing and future VSM, flow analysis, FIFO, Kanban operation, Kanban limits and hazards, etc.

PILOT AND MAINTAIN PERFORMANCE

Kaizen meetings, standards, logistics rounds, AUP/EAP, etc.

YELLOW BELT SECTION

1. **Notion** : Introduction
2. **Notion** : Tutorial
3. **Video** : Lean history
4. **Notion** : The 7 types of Waste
5. **Notion** : The Gemba Walk
6. **Mini-game** : The 5S method
7. **Video** : Value Added and Non-Value Added
8. **Mini-game** : Red / Green Analysis Mini-Game
9. **Notion** : The Indicators
10. **Video** : Project-scoping tools
11. **Video** : The DMAIC method
12. **Notion** : The Dashboard
13. **Challenge** : Factory : First diagnosis
14. **Challenge** : Factory : Second diagnosis
15. **Video** : The 5 key principles of Lean
16. **Video** : The difference between Lean & Lean Six Sigma
17. **Quiz** : The basics of Lean and the definition of a project
18. **Video** : Red/Green interactive analysis
19. **Notion** : The Spaghetti Diagram

- 20. Notion** : The Relocation
- 21. Challenge** : Relocate a production line (difficulty level 1)
- 22. Challenge** : Relocate a production line (difficulty level 2)
- 23. Notion** : Assigning logisticians
- 24. Challenge** : Manage logistics (difficulty level 1)
- 25. Challenge** : Manage logistics (difficulty level 2)
- 26. Video** : The Takt Time and the Cycle Time
- 27. Notion** : The VSM (Value Stream Mapping)
- 28. Challenge** : Relocate a production line and manage logistics
- 29. Mini-game** : Problem Solving : 4W1H
- 30. Mini-game** : Problem Solving : Ishikawa Diagram
- 31. Mini-game** : Problem Solving : 5 Why
- 32. Video** : Control tools
- 33. Quiz** : Measure and analyze flow performance
- 34. Notion** : Transported Batch Size
- 35. Challenge** : Manage the transported batch size
- 36. Challenge** : Manage the transported and logistic batch size
- 37. Video** : Lead Time and Little's law
- 38. Notion** : Work-in-process
- 39. Challenge** : Manage the Work-in-process (difficulty level 1)
- 40. Challenge** : Manage the Work-in-process (difficulty level 2)
- 41. Challenge** : Manage the batch size and the Work-in-process
- 42. Challenge** : Diagnosis : Manage a production line with 3 workstations
- 43. Challenge** : Manage a production line with 3 workstations
- 44. Video** : The Bottleneck and Theory of constraints

- 45. Challenge** : Diagnosis : Identify and eliminate a bottleneck
- 46. Challenge** : Identify and eliminate a bottleneck
- 47. Video** : The 10 commandments of Kaizen
- 48. Quiz** : Initiate improvement projects
- 49. Challenge** : Diagnosis : Manage a production line with 5 workstations
- 50. Challenge** : Manage a production line with 5 workstations
- 51. Video** : The Standard
- 52. Mini-game** : Standard Mini-Game
- 53. Video** : Animation rituals
- 54. Challenge** : Diagnosis : Manage a production line with 6 workstations
- 55. Challenge** : Manage a production line with 6 workstations
- 56. Quiz** : Control and sustain performance
- 57. Quiz** : Pass your Yellow Belt level in 50 questions!

GREEN BELT SECTION

- 1. Notion** : Introduction
- 2. Quiz** : Let's review the basics of Yellow Belt
- 3. Video** : Red/Green interactive analysis - Complex
- 4. Challenge** : Diagnosis : Why did we expand the factory? We're running out of cash!
- 5. Challenge** : Why did we expand the factory? We're running out of cash!
- 6. Notion** : Customer Order
- 7. Video** : Queueing Management Tool
- 8. Notion** : The ERP : Enterprise Resource Planning
- 9. Quiz** : Constraints related to customer orders
- 10. Quiz** : VSM's are hard
- 11. Video** : KANBAN : How it works
- 12. Video** : KANBAN : Limits and uncertainties
- 13. Notion** : Product Mix
- 14. Challenge** : Manage the changeover with 2 colors

- 15. Video** : SMED Method
- 16. Mini-game** : SMED Method
- 17. Video** : EPEI calculation
- 18. Notion** : Changeover planning
- 19. Challenge** : Manage a production line (difficulty level 1)
- 20. Notion** : FIFO (First In, First Out)
- 21. Challenge** : Adapt to customer demand
- 22. Video** : TPM
- 23. Quiz** : Tools and methods linked to the product mix
- 24. Notion** : Logistic routes or Milk run
- 25. Challenge** : Set up a milkman system
- 26. Quiz** : Preparation for the Green Belt final quiz
- 27. Challenge** : Manage a production line with 3 references
- 28. Challenge** : Manage a production line (difficulty level 2)
- 29. Challenge** : Manage a production line (difficulty level 3)
- 30. Challenge** : Manage a production line (difficulty level 4)
- 31. Quiz** : Pass your Green Belt level in 50 questions!

Click [here](#) to read the 7-Shapes rules!

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