

Training Objectives

- ★ Understand the purpose and philosophy of Lean Management
- ★ Know how to use the main Lean tools
- ★ Apply the DMAIC method

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

Constraints theory,
Kaizen worksite,
WIP management,
Little's law,
batch size,
quality control tools,
maintenance,
etc.

CONTROL

Involvement of the
personnel,
animation rituals,
visual management,
etc.

DETAILED PROGRAM

- 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!