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.l.

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.

Green Belt E-learning
15 - 20h of training

7 shapes®

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!