LEAN WAREHOUSING & OPERATIONAL EFFICIENCY



GENTEX®
TRAINING CENTER

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Introduction

Most warehouse cost hides in movement nobody designed: extra travel, double handling, waiting at the dock, and searching for a pallet that should be easy to find. Lean thinking removes that waste without large capital spending, and it starts with seeing the process honestly. This Lean Warehousing & Operational Efficiency Training Course gives warehouse supervisors, logistics professionals, and improvement officers a practical method to map flows, cut non-value work, and raise throughput per labour hour. Participants learn how to apply value stream mapping, 5S, standard work, and visual management to receiving, storage, picking, and dispatch. In addition, the course covers measurement, kaizen events, and the habits that keep improvements from drifting back.

Lean Warehousing & Operational Efficiency Course Objectives

- Identify the eight wastes in warehouse operations and quantify their cost.
- Build current-state and future-state value stream maps for storage and order flow.
- Measure process cycle efficiency, travel time, and touch count per order.
- Apply 5S workplace organisation and visual management to storage areas.
- Design standard work instructions for receiving, put-away, picking, and packing.
- Use takt time, workload levelling, and labour standards to size shifts.
- Reduce travel through slotting, zoning, and pick path design.
- Apply kanban and pull signals between warehouse and production or stores.
- Run kaizen events and A3 problem solving on chronic warehouse issues.
- Track lean KPIs: lines per hour, cost per order, defects, and dock-to-stock time.

Course Methodology

- Facilitated sessions built on real warehouse layouts and order profiles.

GENTEX® TRAINING CENTER

- Value stream mapping exercises from receiving through dispatch.
- 5S and standard work workshops applied to a chosen storage zone.
- Simulation of a kaizen event with A3 problem solving and action planning.
- Group work on a lean warehouse improvement plan with measured baseline.

Who Should Take This Course

- Warehouse managers, supervisors, and team leaders.
- Logistics and distribution centre staff.
- Process improvement and lean officers.
- Inventory and stores controllers.
- Operations and production planners linked to warehouse flow.
- Health and safety staff involved in workplace organisation.

Lean Warehousing & Operational Efficiency Course Outlines

Day 1: Lean Principles and Waste in Warehousing

- Lean origins, purpose, and the five core principles.
- The eight wastes applied to warehouse operations.
- Value-added versus non-value-added activity in storage and handling.
- Cost of waste: labour, space, equipment, and delay.
- Process cycle efficiency and lead time analysis.
- Voice of the customer in warehouse service terms.
- Baseline measurement and data collection methods.

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Day 2: Value Stream Mapping and Process Analysis

- Current-state mapping of receiving, put-away, storage, picking, and dispatch.
- Identifying value streams by order type and product family.
- Data boxes: cycle time, changeover, uptime, and batch size.
- Spaghetti diagrams and travel distance measurement.
- Future-state design and improvement prioritisation.
- Kaizen bursts and implementation sequencing.
- A3 problem solving and root cause analysis.

Day 3: Workplace Organisation, Standard Work, and Flow

- 5S steps: sort, set in order, shine, standardise, and sustain.
- Visual management: floor marking, labels, andon, and boards.
- Standard work instructions and takt time calculation.
- Workload levelling and shift pattern design.
- Line balancing across picking and packing stations.
- Slotting by velocity, cube, and affinity for travel reduction.
- Cross-training matrices and flexibility planning.

Day 4: Pull Systems, Equipment, and Layout Efficiency

- Kanban and two-bin signals between warehouse and production.
- Supermarket design and replenishment loops.
- Batch size reduction and its effect on handling effort.
- Handling equipment selection: trolleys, pallet trucks, and conveyors.

- Layout changes that shorten travel and cut double handling.
- Automation choices and when they pay back.
- Ergonomic design and its link to productivity and safety.

Day 5: Measurement, Kaizen Culture, and Sustained Gains

- Lean KPIs: lines per hour, cost per order, defects, and dock-to-stock time.
- Productivity reporting, target setting, and daily management.
- Kaizen event planning, facilitation, and follow-up discipline.
- Leader standard work and gemba walks.
- Training, engagement, and suggestion systems.
- Auditing and sustaining 5S and standard work.
- Building an annual lean warehousing roadmap.

Conclusion

By successfully completing the Lean Warehousing & Operational Efficiency Training Course, participants will have acquired a solid working knowledge of waste identification, value stream mapping, 5S workplace organisation, standard work, takt and labour planning, pull systems, layout efficiency, and lean performance measurement. They will leave able to remove non-value work from their own operation, raise productivity per labour hour, and hold the gains with daily management routines. Gentex Training Center delivers this programme with lean and warehouse practitioners who apply these methods on live warehouse floors.

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

FAQs for the Lean Warehousing & Operational Efficiency course

Q1 What is the "Lean Warehousing & Operational Efficiency" course about?

It is a five-day programme on removing waste from warehouse operations and raising productivity. It covers the eight wastes, value stream mapping, 5S, standard work, takt and labour planning, slotting and travel reduction, pull systems, kaizen, and lean performance measurement.

Q2 What are the key benefits of the "Lean Warehousing & Operational Efficiency" course?

Participants cut travel time, double handling, and dock delays, which reduces cost per order and raises lines per hour without major capital spending. They also gain standard work and daily management routines that keep improvements in place rather than fading after the first month.

Q3 What skills will I gain from the "Lean Warehousing & Operational Efficiency" course?

You will gain warehouse waste analysis and value stream mapping, 5S workplace organisation and standard work design, takt and labour planning with slotting and travel reduction, and kaizen facilitation with lean KPI measurement.

GENTEX Training Center LLC | Orlando - FL, USA
Info@gentextraining.com

Q4 What tools, methods, or standards are covered in the "Lean Warehousing & Operational Efficiency" course?

The course works with the eight wastes framework, current-state and future-state value stream maps with data boxes, spaghetti diagrams for travel analysis, process cycle efficiency and takt time calculation, 5S and visual management, standard work instructions, line balancing for picking and packing, velocity-based slotting, kanban and two-bin pull signals, supermarket design, A3 problem solving, gemba walks, and lean KPIs including lines per hour, cost per order, and dock-to-stock time.

Q5 How is the "Lean Warehousing & Operational Efficiency" course applied in real-world practice?

Teams apply it when mapping an order fulfilment flow, running a 5S event in a storage zone, reslotting fast movers closer to dispatch, balancing a picking line, and setting lines-per-hour targets after a kaizen event. It also guides daily management boards and gemba walk routines.