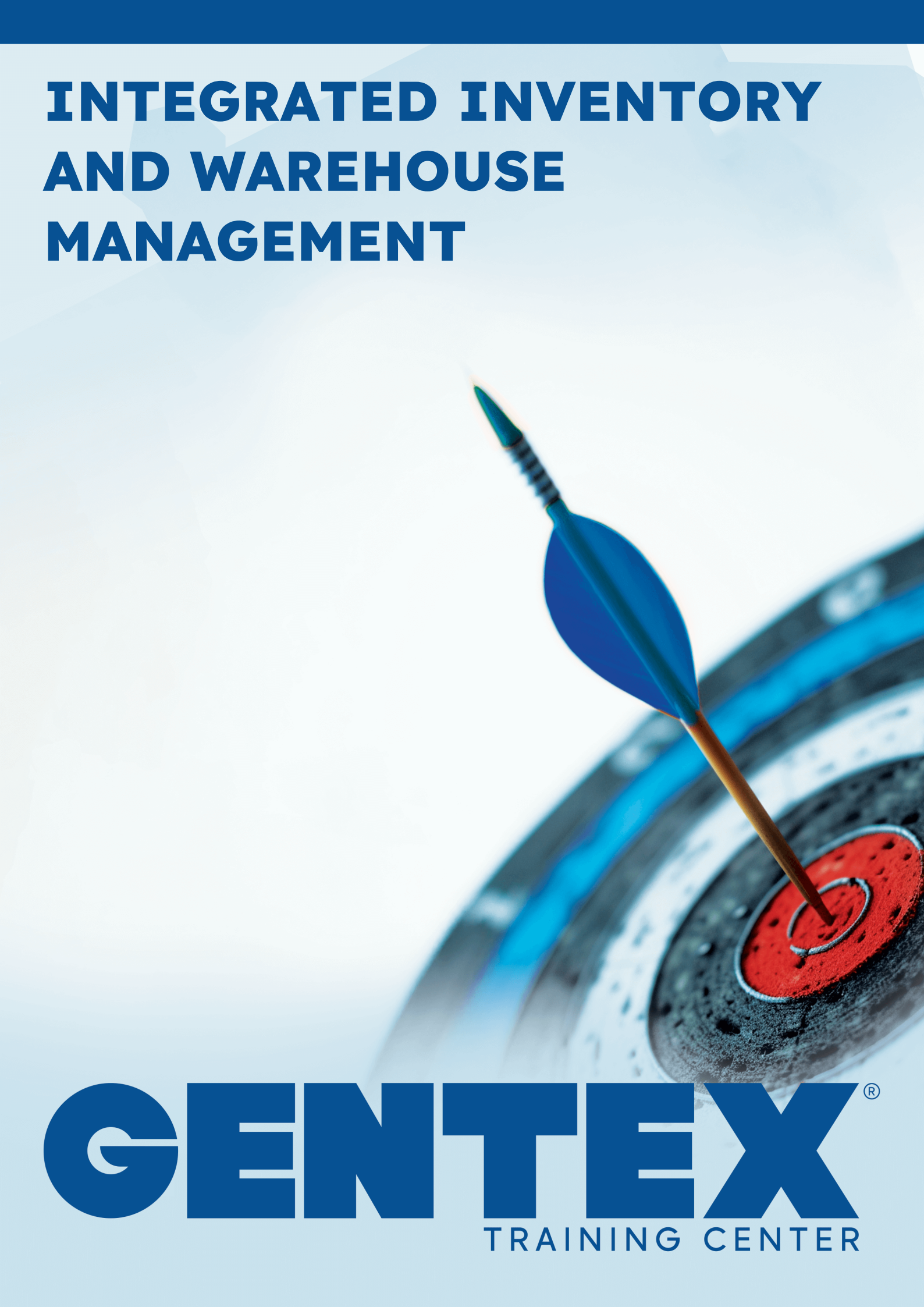
INTEGRATED INVENTORY AND WAREHOUSE MANAGEMENT



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TRAINING CENTER

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Introduction

Inventory and the warehouse are two halves of one system, yet most organisations manage them in separate meetings with separate numbers. The result is stock the warehouse cannot find, space filled with items planning no longer wants, and reports that disagree. This Integrated Inventory and Warehouse Management Training Course gives inventory controllers, warehouse supervisors, and supply chain professionals one connected method for both sides. Participants learn how to design layouts that support the replenishment policy, run receiving and dispatch to documented standards, set safety stock and reorder rules that match demand, and keep records accurate through cycle counting. Furthermore, the course links stock levels, space use, and service performance into a single set of measures.

Integrated Inventory and Warehouse Management Course Objectives

- Align warehouse layout, zoning, and slotting with inventory policy and item movement.
- Apply ABC and XYZ classification to set both control levels and storage placement.
- Operate receiving, put-away, picking, packing, and dispatch to documented standards.
- Calculate economic order quantity, safety stock, and reorder points for stock items.
- Run multi-location stock control with transfer rules and pooling arrangements.
- Maintain record accuracy through cycle counting, location discipline, and tolerance control.
- Control slow-moving, obsolete, and excess stock with ageing analysis and phase-out plans.
- Apply 5S, kaizen, and value stream mapping across storage and replenishment processes.
- Measure integrated performance using turnover, fill rate, order accuracy, and cost per order.
- Use ERP and WMS parameters, reports, and exception alerts to drive daily decisions.

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Course Methodology

- Facilitated sessions built on live warehouse layouts and inventory records.
- Layout, slotting, and travel distance exercises linked to item movement data.
- Spreadsheet drills on EOQ, safety stock, reorder point, and forecast accuracy.
- Simulation of a receiving-to-dispatch cycle with a reconciliation step.
- Group exercise on a combined inventory and warehouse improvement plan.

Who Should Take This Course

- Inventory controllers and stock analysts.
- Warehouse managers, supervisors, and team leaders.
- Demand, supply, and replenishment planners.
- Stores, distribution, and logistics staff.
- ERP and WMS super users and master data owners.
- Supply chain and operations managers.

Integrated Inventory and Warehouse Management Course Outlines

Day 1: Integrated Framework, Layout, and Classification

- How warehouse design decisions shape inventory performance.
- Flow types: U-flow, I-flow, and through-flow compared.
- Zoning: receiving, storage, pick face, packing, dispatch, and returns.

- ABC classification by annual usage value and control level.
- XYZ classification by demand variability and forecast difficulty.
- Velocity-based slotting and product affinity placement.
- Capacity, cube utilisation, and growth planning.

Day 2: Receiving, Storage, and Inventory Transactions

- Inbound scheduling, dock management, and vehicle turnaround.
- Goods receipt, quality checks, and discrepancy handling.
- Put-away strategies and directed placement rules.
- Rack types, storage media, and handling equipment selection.
- Item coding, location addressing, and label standards.
- Transaction discipline: real-time posting and cut-off control.
- Handling returns, damaged goods, and quarantined stock.

Day 3: Replenishment Policy and Order Quantity Decisions

- Economic order quantity and its assumptions and limits.
- Quantity discounts, minimum order quantities, and transport lots.
- Safety stock formulas using service level and variability factors.
- Reorder point calculation under variable demand and lead time.
- Min-max and periodic review systems compared.
- Two-bin and kanban replenishment in lean settings.
- Supplier lead time tracking and reorder alert design.

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Day 4: Picking, Dispatch, Accuracy, and Obsolescence

- Picking strategies: zone, batch, wave, and cluster picking.
- Pick path design, travel reduction, and pick-face sizing.
- Packing standards, load building, and dispatch documentation.
- Cycle counting design by item class and tolerance thresholds.
- Root cause analysis of count variances and corrective actions.
- Ageing analysis, slow-mover identification, and phase-out planning.
- Adjustment governance, approval levels, and audit trails.

Day 5: Performance, Safety, and Continuous Improvement

- KPIs: turnover, days of inventory, fill rate, order accuracy, and cost per order.
- Space utilisation and labour productivity reporting.
- Safety controls, risk assessment, and manual handling rules.
- 5S, visual management, and value stream mapping on the floor.
- ERP and WMS reports, dashboards, and exception alerts.
- Aligning warehouse and inventory decisions with S&OP.
- Building an annual integrated improvement roadmap.

Conclusion

By successfully completing the Integrated Inventory and Warehouse Management Training Course, participants will have acquired a thorough working knowledge of layout and slotting design, receiving and dispatch operations, inventory classification and replenishment policy, stock accuracy control, obsolescence management, and integrated performance measurement. They will leave able to run a warehouse whose space serves demand, whose records match reality, and whose stock levels protect service at a controlled cost. Gentex Training Center delivers this programme with warehouse and inventory practitioners who manage these operations daily.

FAQs for the Integrated Inventory and Warehouse Management course

Q1 What is the "Integrated Inventory and Warehouse Management" course about?

It is a five-day programme that treats inventory control and warehouse operations as one connected system. It covers layout and slotting, receiving and dispatch, classification, safety stock and reorder points, stock accuracy, obsolescence control, and integrated performance measurement.

Q2 What are the key benefits of the "Integrated Inventory and Warehouse Management" course?

Participants cut travel time and cost per order, release cash tied up in excess and obsolete stock, and raise fill rates and order accuracy together. They also gain one consistent set of numbers for planning, warehousing, and finance, replacing reports that disagree.

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Q3 What skills will I gain from the "Integrated Inventory and Warehouse Management" course?

You will gain warehouse layout and slotting design aligned to inventory policy, receiving and dispatch operations control, inventory classification and replenishment policy setting, and stock accuracy and obsolescence control with integrated KPI reporting.

Q4 What tools, methods, or standards are covered in the "Integrated Inventory and Warehouse Management" course?

The course works with U-flow, I-flow, and through-flow layout models, velocity-based slotting, ABC and XYZ classification matrices, economic order quantity models, safety stock formulas, reorder point and min-max systems, wave and batch picking methods, cycle counting with tolerance thresholds, 5S, kaizen and value stream mapping, and warehouse KPIs including turnover, fill rate, and cost per order.

Q5 How is the "Integrated Inventory and Warehouse Management" course applied in real-world practice?

Teams apply it when reslotting a pick face to match item velocity, resetting reorder points in the ERP, redesigning the receiving bay, running cycle counts, and planning peak season capacity. It also guides slow-mover disposal decisions and monthly S&OP stock reviews.