MERCURY

Warehouse & Inventory Optimization: Maximize & Control for Enhanced Operations Conference

18 – 29 October 2027
Boston (USA)



Dubai - UAE: +971 4 450 5697
Istanbul - Türkiye: +90 539 599 1206
Amman - Jordan: +962 79 712 3347

Warehouse & Inventory Optimization: Maximize & Control for Enhanced Operations Conference

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Introduction:

Warehouses and inventory management are vital components of the supply chain management framework, crucial for effectively overseeing procurement activities and delivering outstanding customer service. Despite their significant role, warehouse and inventory controls sometimes need to be considered in their importance, leading to suboptimal inventory levels and the consequences that result, including unnecessary costs, fluctuations in availability, and the potential for compromised customer service.

Participating in the warehouse, inventory optimization, maximization, and control for enhanced operations conference offers invaluable insights and strategies for businesses aiming to streamline their logistical processes. This warehouse optimization and inventory control conference is a pivotal platform for industry professionals to delve into cutting-edge techniques and best practices to enhance warehouse efficiency and inventory management.

Attendees gain access to a wealth of knowledge shared by experts in the field, fostering networking opportunities and collaborations. Through interactive sessions, workshops, and case studies, participants acquire actionable strategies to optimize inventory levels, reduce costs, minimize waste, and improve operational performance. By leveraging the insights from this conference, businesses can stay ahead of the curve in today's dynamic marketplace, driving sustainable growth and competitive advantage.

Optimizing Warehouse Management and Inventory Control:

In today's competitive environment, there is more ability to streamline warehouse operations and optimize inventory control than ever. Throughout this warehouse and inventory management workshop, participants will dive into advanced strategies and best practices that enhance warehouse optimization training.

Attendees in this warehouse optimization and inventory control conference will emerge from this warehouse operations seminar equipped with knowledge on maximizing warehouse space and improving inventory control, positioning them for success within their organizations.

Targeted Groups:

- Supply Chain, Logistics, Materials, Inventory, Stock, Warehouse, and Distribution Professionals.
- Individuals need a greater understanding of Warehouse and Inventory management and want to expand their knowledge base.
- Business owners, operators, managers, and anyone involved in a warehouse or inventory management, including those supervising warehouse operations, stock, and inventory.

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Conference Objectives:

By the end of this warehouse optimization and inventory control conference, participants will be able to:

- Learn the principles of Warehouse and Inventory Management.
- Evaluate current procedures.
- Examine operations and activities.
- Analyze the critical areas of operations.
- Identify and Understand key performance indicators.
- Succeed in improving operations.
- Improve personal productivity.
- Make needed changes to methods to improve customer service whilst achieving reductions in inventory.
- Reduce wasteful costs.
- Avoid those internal problems that limit performance.
- Obtain added value for money.
- Understand and implement the essential tools for managing warehouses and inventory in the supply chain.

Targeted Competencies:

By the end of this warehouse optimization and inventory control conference, target competencies will:

- Stock analyzing.
- Make productivity improvements in all operations.
- Warehouse equipment selection and maintenance.
- Conduct safe working practices and operations.
- Apply a framework for continual improvement.
- Gain the financial benefits that effective warehouse and inventory management can bring.

Conference Content:

Unit 1: The Role of the Warehouse:

- Why do we need a warehouse?
- What functions do they cover?
- How do they fit into the supply chain?
- Know about the balance between sorting and storing.
- The 12 Initial Questions to Ask about Warehousing Activity.

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Unit 2: Product Classification:

- Supply /demand variables.
- ABC Analysis or the 80/20 rule.
- Determine product handling groups.
- Throughputs and Product Formats.

Unit 3: Layout Options:

- Receive options.
- Storage options.
- Picking/assembly options.
- Dispatch options.
- Use the floor and the height space.
- Organize for flow.

Unit 4: Methods and Equipment:

- Warehouse structures.
- Load bays.
- Select forklift trucks.
- Select racking.
- Implications for warehouse layouts.
- Operational timings and planning.

Unit 5: Health and Safety:

- Duty of care.
- Inspections and Risk Assessment Analysis.
- Equipment maintenance and care.
- Raise people's awareness.

Unit 6: Security and Loss:

- Minimize internal theft.
- Minimize external theft.
- Preventative measures will be briefly discussed.

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Unit 7: Productivity and Costs:

- Fixed and variable costs.
- Typical costs involved.
- Learn about a model for understanding the roles of productivity, utilization, and performance.
- Set productivity and cost targets.
- Understand the importance of having measurements and key indications of performance.

Unit 8: Service Levels:

- Internal and external customers.
- The Three Key Customer Service Measures.
- Customer service sampling.
- Effects of substandard service.
- Minimize errors.

Unit 9: Warehouse Layout:

- Different types of layouts have advantages and disadvantages.
- Plan for flow in the warehouse.
- Checklists will help you decide the best option.

Unit 10: Inventory and the Supply Chain:

- Inventory management definition.
- Types of stock.
- Demand amplifications.
- Demand replenishment in networks.
- Manage the flows.
- Know Type I and II Supply Chains.
- The Supply Chain Rules.
- Inventory and statistics.
- Concept of service level.

Unit 11: Inventory Key Concepts:

- Fundamental Component: Demand Analysis.
- Fundamental Component: Demand Forecasting.
- Fundamental Component: Supply Lead Time.
- Fundamental Component: Cost and Benefits.
- Inventory benefits.
- Inventory policies.
- Inventory in organizations.

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Unit 12: Inventory Replenishment Methods and Systems:

- Basic mechanics of inventory systems.
- The stock time curve.
- Stock components.
- Stock investment.
- Free stock calculation.
- Simple replenishment methods, for example, Min/Max
- Accurate replenishment methods include Reorder Point and Reorder Level ROP/ROL.
- Requirements planning systems include Materials/Manufacturing Resource/Requirements Planning MRP / MRPII.

Unit 13: Stock Control-Coding:

- Different coding methods.
- Importance of inventory receipts.
- Identify surplus and obsolescent stock.
- Checklists will help you decide the best option.

Unit 14: Stock Control-Recording:

- Separation of powers.
- Legal issues.
- How do we get inaccuracies?

Unit 15: Stock Control-Checking:

- Roles and responsibilities.
- Requirements.
- Job Descriptions.
- Authority levels.
- Tolerances and approvals.
- The stock check program.
- Options for stock-checking methods.
- Reconciliations/discrepancies.

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Unit 16: Inventory Performance:

- Inventory Performance.
- Assess the stock level.
- Models for implementing inventory control.
- Determine stock targets.
- Inventory questions.
- Inventory KPIs in warehouses/stores.

Unit 17: Inventory Strategies:

- Push/pull.
- Quick Response QR.
- Efficient Consumer Response ECR.
- Collaborative Planning, Forecasting and Replenishment CPFR.
- Lean and agile approaches.
- Quality Management.
- Postponement.
- Cross Docking.
- Consolidation.
- Vendor Managed Inventory VMI.
- Consignment stocking.
- Co-Managed Inventory CMI.
- Direct Product Profitability DPP.
- Economic Value Added EVA.
- Collaborative supply chains.

Unit 18: Inventory Improvements:

- Using the Supply Chain.
- Using the Theory of Constraints.
- Practical inventory improvements.
- Call-offs and Telemetry.
- EDI and ICT.
- Keys to reducing stock levels.
- Learn ABOUT The 7 Rules for planning inventory.
- Model for planning inventory.