

Advanced Logistics & Material Management

INTRODUCTION

- This Advanced Logistics and Materials Management training course fully covers the role and impact of Logistics and Supply Chain Management affecting an organization through the understanding of Supplier Management in Purchasing, Transportation Models, and Inventory Models from a cost efficient and optimization perspective.
- This highly interactive advanced training course is designed for the course delegates to practice and develop key facets of advanced logistics and materials management which will enable delegates to strategically manage international shipping systems and inventory. Examples of global best practice are delivered throughout the training course to enable delegates to fully embed the learning in order that they can apply within their roles upon returning to their work following the course.

This training course will feature:

- Process mapping the Supply Chain and internal processes for optimized results
- Management of risks and the actions of both internal departments and external stakeholders
- The impact of advanced logistics management both upon the organization's financial resources and the impact on internal and external customer service
- Integrating logistics forecasting with peak demands and resource planning to optimize the cost efficiency in managing inventory
- Inventory models to effectively manage and where appropriate reduce inventories
- Global best practice in purchasing, inventory controls and materials management

OBJECTIVES

- Appreciate the implication of the impacts of logistics & materials management and purchasing functions both internally and external to the organization
- Apply the concepts of international logistics / freight procedures & documentation
- Appreciate the importance of effective resources planning
- Develop optimized work processes and financial areas such as cashflow, cost reduction and management
- Learn how to effectively manage inventory utilizing selective inventory strategic policies
- Develop specific action plans to further develop their role and organizational benefit

TRAINING METHODOLOGY

- This Advanced Logistics and Materials Management training course will utilize a variety of proven highly interactive adult learning techniques to ensure maximum understanding, comprehension and retention of the information presented. This includes facilitated group and individual exercises, case studies, role-play, videos. The instructor will also facilitate learning by encouraging the delegates to test and critically appraise any theories and concepts on the training course.

WHO SHOULD ATTEND?

This Advanced Logistics and Materials Management training course is intended for a number of professionals who have an experience of supply chain and logistics management functions, and who are looking for new and innovative techniques for achieving a competitive edge for their team and organization will benefit from this training course. It is also beneficial to:

- Senior Professionals in Logistics Functions
- Purchasing, Warehouse and Inventory Personnel
- Financial and Materials Management Teams

Course Outline

The Role of Logistics and Supply Chain Management in Modern Businesses

- Evaluate Logistics Role in the current Business Process
- The Evolution of Supply Chain Management and Supply Chain Dynamics
- The Application of a Supply Chain Approach
- How to use and Apply the Supply Chain Operations Reference Model (SCOR)
- Identifying Supply Chain Instabilities and Risks
- Internal Supply Chain Risks
- PESTLE Risks
- Inventory Risks
- Disruption Risks
- Security Risks
- Procurement Risks

Linking Strategies and Improvement in Cost and Productivity in Procurement

- Developing Spend Analysis for establishing Purchase Prices Index
- Examine the Total Cost of Ownership
- Analyze Supplier Portfolio and Classification utilizing and applying Kraljic's Matrix and Porter's 5 Forces
- Formulate, Plan and Organise Strategic Purchasing Plans
- Illustrate the Effective Order-cycle and Lead-time Effect on Purchasing

Strategic Supply in Materials Management

- Formulate, Plan and Organize Formal Procedures for making Stock Decisions
- Explain, Discuss and Review Safety Stock Levels and Order Points
- Apply and Improve Min / Max Systems and Settings
- Using Material Forecasts
- Cataloging Materials for Effective Buying Process
- Developing Bills of Material for Effective Parts Management

Effective Inventory Planning and Control

- Setting Comprehensive Inventory Goals and Objective
- Effecting a Rationalization Strategy
- Calculating and Evaluating carrying Costs and Economic Order Quantity Theory
- Establishing a Strategic Focus with Pareto Analysis on Cost
- Improving Material Identification and Coding
- Creating Best Practices in the Physical Control of Materials
- Measuring Record Accuracy and Improving Cycle Counting Systems

Tactical and Operational Approaches in Transportation Economics

- Apply the Role of Transportation in Logistics to the Organisation
- Identify and Recognize Transportation Management Strategic Key Decisions
- Explain, Discuss and Review the Types of Mode and Intermodal Systems
- Show and Illustrate the International Commercial Terms in Transportation and the Liabilities
- Identify and Review Hazardous Materials Transportation