

Strategic Logistics Management

This book provides a comprehensive overview of how to strategically manage the movement and storage of products or materials from any point in the manufacturing process to customer fulfillment. Topics covered include important tools for strategic decision making, transport, packaging, warehousing, retailing, customer services and future trends. An introduction to logistics Provides practical applications Discusses trends and new strategies in major parts of the logistic industry

Supply chain logistics management. Supply chain logistics operations. Supply chain logistics design. Supply chain logistics administration.

An understanding of logistics is of primary importance in the modern business world and this text allows students and businesspeople alike to become comfortable with the fundamentals of this discipline. In its explanation of logistics—the process of moving a commodity or service from customer order to consumption—this guide provides insight into every step of the process, from order processing and purchasing to packaging and warehousing. Tips are included for integrated logistics, customer service, materials flow, and strategic logistics plans.

This book illustrate sand explains a wide range of practical logistics strategies and analytic techniques to facilitate decision-making across functions such as manufacturing, warehousing, transportation, and inventory management. Logistics professionals must utilize a broad array of analytic techniques and approaches for decision-making. Effective use of analytics requires an understanding of both fundamental and advanced logistics decision-making techniques and methodologies. Further, logistics professionals must organize and view these analytics-based decision support tools through well-structured planning frameworks. In this book, we illustrate and explain a wide range of practical logistics strategies and analytic techniques to facilitate decision-making across functions such as manufacturing, warehousing, transportation and inventory management. We also describe how to organize these analytics-based tools and strategies through logistics frameworks that span strategic, tactical and operational planning and scheduling decisions. This book is intended for logistics professionals to use as a reference document that offers ideas and guidance for addressing specific logistics management decisions and challenges, and it will also serve as a valuable resource or secondary text for graduate and advanced undergraduate students.

"This book examines related research in decision, management, and other behavioral sciences in order to exchange and collaborate on information among business, industry, and government, providing innovative theories and practices in operations research"--Provided by publisher.

From Preface: This text has a clear European foundation and an international appeal. In line with the globalisation of logistics, we have included cases from other parts of the world than Europe - diverse though European logistics solutions are - including South Africa, the United States, Japan, China and Australia. Accordingly, we start in Part One with the strategic role of logistics in the supply chain. We continue by developing the marketing perspective by explaining our view of 'putting the end-customer first'. Part One finishes by exploring the concept of value and logistics costs. In Part Two, we review leveraging logistics operations in terms of their global dimensions, and of the lead-time frontier. Part Two continues by examining the challenges of coordinating manufacturing and retail processes, and the impact on logistics of just-in-time and the agile supply chain. Part Three reviews working together, first in terms of integrating the supply chain and second in terms of sourcing and supply management. Our book ends with Part Four, in which we outline the logistics future challenge. This text is intended for MSc students on logistics courses, and as an accompanying text for open learning courses such as global MSc degrees and virtual universities. It will also be attractive as a management textbook and as recommended reading on MBA options in logistics and supply chain management.

"The documented benchmarks for success and the many examples help explicate the complexities for the reader. The book is organized and written so that it will be useful as an introduction to the field and also as a reference when special challenges arise for the practicing manager." -- DR. JOHN J. COYLE, Professor Emeritus of Logistics and Supply Chain Management, Department of Supply Chain and Information Systems, Smeal College of Business, Pennsylvania State University "The book is a must-read for all supply chain managers seeking to drive down costs and improve profits and must be read before any investment is made in your supply chain. Get copies for your controller and all senior managers...this book lays it all out." -- DR. RICHARD LANCIANI, Chair, Marketing & Supply Chain Management, Fox School of Business, Temple University Expert Strategies for Improving Supply Chain and Logistics Performance Using Lean This practical guide reveals how to identify and eliminate waste in your organization's supply chain and logistics function. Lean Supply Chain and Logistics Management provides explanations of both basic and advanced Lean tools, as well as specific Lean implementation opportunities. The book then describes a Lean implementation methodology with critical success factors. Real-world examples and case studies demonstrate how to effectively use this powerful strategy to realize significant, long-term improvements and bottom-line savings. COVERAGE INCLUDES: * Using Lean to energize your supply chain * The eight wastes * Lean opportunities and JIT in supply chain and logistics * Lean tools and warehouse * Global lean supply chain and logistics * Lean opportunity assessment, value stream mapping, and Kaizen event management * Best-in-class use of technology with Lean * Metrics and measurement * Education and training Valuable training slides are available for download.

Strategic Logistics Management approaches the topic from a managerial perspective. Each chapter introduces basic logistics concepts in a format that is useful for management decision making.

Utilize the Latest Measurement Tools and Computations Needed to Achieve World-Class Logistics Operations in Any Organization! Quantitative Measurements for Logistics

offers you a wide variety of measurement tools and computations used in today's logistics operations, ranging from life cycle costs to maintainability computations. Covering every major area of logistics, this comprehensive resource examines break-even analysis...depreciation methods...forecasting... inventory computations...learning curves...maintenance management... quality control...queuing theory...repair level analysis...statistics...failure definitions...and much more. Filled with over 125 illustrations describing formulas and applications, Quantitative Measurements for Logistics features: A wealth of state-of-the-art logistics tools, methods, and concepts Detailed measurements followed by supporting calculations Subject and topic definitions included throughout Numerous military and business applications Inside This Cutting-Edge Logistics Resource • Acceptance Sampling • Availability Computations • Break-Even Analysis • Combinatorial Analysis and Probability • Depreciation Methods • Forecasting Methods • Inventory Computations • Learning Curves • Life Cycle Costing • LSA Computations • Maintainability Computations • Maintenance Management • Maintenance Time Management • Managerial Accounting • Mean Time Allocations and Predictions • PERT Computations • Project Earned Value Analysis • Provisioning Computations • Quality Control • Queuing Theory • Reliability Computations • Repair Level Analysis • Spare Part Computations • Statistics • Time Value of Money Computations • ILS Definitions • Failure Definitions • Maintenance Definitions • Logistics Activities

Business practices are constantly evolving in order to meet growing customer demands. Evaluating the role of logistics and supply chain management skills or applications is necessary for the success of any organization or business. As market competition becomes more aggressive, it is crucial to evaluate ways in which a business can maintain a strategic edge over competitors. Supply Chain and Logistics Management: Concepts, Methodologies, Tools, and Applications is a vital reference source that centers on the effective management of risk factors and the implementation of the latest supply management strategies. It also explores the field of digital supply chain optimization and business transformation. Highlighting a range of topics such as inventory management, competitive advantage, and transport management, this multi-volume book is ideally designed for business managers, supply chain managers, business professionals, academicians, researchers, and upper-level students in the field of supply chain management, operations management, logistics, and operations research.

The fully revised new edition of this well known and respected book is characterized by the more international perspective it has taken on through contributions from internationally known authors and a final section on international logistics which examines in turn strategies for West and East Europe, the Far East and North America. Logistics has a key strategic role to play in the long-term plans of major companies, and is recognized as a vital part of every organization. To a large extent this crucial new role is due to an expanded view of logistics, which now includes all the activities related to the supply chain from initial suppliers through to final customers. This book provides a wealth of useful ideas and practical information on all the current and future trends in logistics and distribution. Written by a host of contributors drawn from industry, constancy and education, this book provides new insights into the most significant aspects of logistics, including: developments in logistics supply chain strategies lean logistics efficient customer response logistics in different countries partnering and strategic alliances re-engineering the logistics function From logistics professionals, consultants, professors and students to managers from different backgrounds who want an appreciation of current trends in the subject, this book is essential reading. About the author: Donald Waters, a past member of the Institute of Logistics and currently a member of the Canadian Association of Logistics Management, has lectured weekly on logistics, operational research and management science, and has brought his academic career to fruition as Professor of Operations Management at the University Calgary, Canada. He is also the author of Operations Management in the Kogan Page Fast Track MBA Series. Features

Logistics management, 3/e is essential for creating value for both customers and stakeholders. Effective Logistic chains help organizations to compete in both global and domestic markets.

Logistics and supply chain management continue to transform the competitive landscape and have become one of today's key business issues. This third edition of "Logistics Management and Strategy" continues to take a practical, integrated and international approach to logistics and includes the very latest research to reflect the innovative and exciting developments in this subject area. A clear framework guides the reader through the four parts of the book, covering: *an introduction to logistics and its contribution to competitiveness and value creation, *leveraging logistics operations within the context of the customer, *supplier partnerships, interfaces and the challenges of integration, *leading-edge thinking in logistics and the future challenges ahead. New to this edition... *more on reverse logistics together with green, ethical and CSR issues *revised chapters on supply chain planning and control and on agility *fully revised final chapter ties in the future challenges facing logistics more closely with the rest of the book Every chapter features case studies with study questions, activities and end of chapter discussion questions to help students explore logistical concepts in operational detail. Teaching support notes and PowerPoint slides for lecturers can be downloaded from the book's website at www.pearsoned.co.uk/harrison "Well written and contains a wealth of valuable ideas and concepts." Dr Jan de Vries, University of Groningen "Very up-to-date, both in terms of its conceptual framework and the topics covered. Remarkably clear and easy to read." Dr Tony Whiteing, University of Huddersfield

This book provides an overview of the key transportation management processes from a shipper's perspective. It enables managers to gain quick insight in the added value of transportation as a strategic differentiator, its key drivers, and guidelines on how to use them in an effective and efficient decision-making process. It explains how to identify and eliminate waste using basic Lean tools and proven concepts. The reader is guided on how to start implementing the Lean methodology and best practices in the industry to realize significant savings. Companies such as Adidas and Amazon are using transportation to increase sales by delivering purchased products faster than the competition. These companies do not treat transportation as a cost center. They are not focusing on reducing transportation spending. They allow customers to buy any product that is available in any store or warehouse and have it delivered to their homes. By

delivering faster than the competition, they increase sales. At the same time, they lower their total supply chain costs as faster deliveries lead to fewer returns. Reduction of returns means higher sales and lower transportation costs for returns. The result is higher profits while creating more value for the customer. Transportation is moving from a cost center towards a profit center. The traditional logistics service providers are perceived to not innovate fast enough. Top management must understand the transportation management basics and use it in their strategic decision-making. They should be involved in discussions on how to organize the transport management function in the best way and how to use it as a service differentiator. Transportation is more than the efficient movement of supplies, sub-assemblies and final products. In addition, it is more than the key performance indicators on the business-balanced scorecard. Transportation management professionals fail to catch top management's attention due to the use of technical language. It is more difficult to understand transportation key performance indicators such as loading degree, net and gross pick-up and delivery reliability. It is easier to get top management attention when talking about lost sales due to stock-outs, lost tenders due to long delivery times, high inventory holding and scrap costs.

The conference proceedings contains contributions to the Logistics Management conference 2019. The objective of the LM conferences is to discuss new ideas and technical developments related to the management of logistic systems. A special focus is put on digitalization of supply chains and decarbonization in the transport industry.

Logistic management is a vital part of any business operation. This volume provides information on all aspects of strategic planning and business logistics.

Effective logistics and distribution is essential to the long-term success of a company and is an area of constant innovation. Taking an international perspective, this book outlines the current situation and provides useful ideas and practical information on trends. This edition has been updated to cover: the strategic development of logistics and the supply chains; the design and implementation of logistics strategies; the continuing integration of the supply chain; the developments in e-commerce; the effects of lean and agile operations; measuring and improving performance; environmental issues; and international views on logistics.

Seminar paper from the year 2006 in the subject Business economics - Supply, Production, Logistics, grade: 1,0, European Business School - International University Schloss Reichartshausen Oestrich-Winkel (SMI - Supply Management Institute), course: Seminararbeit Logistics and Business Engineering, 75 entries in the bibliography, language: English, comment: Discusses uncertainty as it arises in strategic logistics management. A model to explain uncertainty is presented before discussing means (business strategies and organizational design strategies) to cope with this increasing uncertainty for capturing competitive advantage., abstract: In the light of the ongoing globalization and evolution of today's business world logistics has gained significant visibility and is regarded as a critical link to improved corporate performance. The value of the global logistics market accounted for \$591.1 billion in 2005 and is expected to further grow by 22.1% until 2010. Apart from a constant pressure to reduce costs and improve efficiency, logistics increasingly serves as a differentiating feature for products and an important lever for improving customer satisfaction. Coordination with other departments also plays a crucial role. The increasing complexity and dynamics of the business world did not leave logistics unaffected. Key drivers of uncertainty include globalization of supply and customer bases, shortening of product life cycles, increasing competition and more demanding customers. Thus, the challenge for logistics managers nowadays is to constantly balance a need to perform well on hard measures of performance, while responding to a constantly changing environment. With respect to logistics increasing importance for corporate success, reacting to contingencies by crisis management and firefighting is no longer an option. Instead, logistics managers must proactively and strategically plan for the future and prepare for change

The tactical organization of resources is a vital component to any industry in modern society. Effectively managing the flow of materials through various networks ensures that the requirements of customers are met. Sustainable Logistics and Strategic Transportation Planning is a pivotal reference source for the latest research on the management of logistics through the lens of sustainability, as well as for emerging procedures that are particularly critical to the transportation sector. Highlighting international perspectives, conceptual frameworks, and targeted investigations, this book is ideally designed for policy makers, professionals, researchers, and upper-level students interested in logistics and transport systems.

Business Logistics Management 4e covers concepts and theories relating to the movement of goods, the coordination of supply chain, the most recent advances in logistics technology, the exchange of information, and the impact on business within the logistics management framework.

Notable changes occurring in the global marketplace since the publication of the first three editions of this book (1982, 1987, and 1993) have included e-commerce and widespread use of the Internet, growth of supply chain management, a continued explosion of computer and information technology worldwide, development of 24-hour markets with many organizations operating worldwide, and a continued corporate emphasis on quality and customer satisfaction. Trade agreements such as North America Free Trade Agreement (NAFTA), European Union, ASEAN and Mercosur have enabled corporations to implement regional, if not entirely global, logistics strategies. The fourth edition of Strategic Logistics Management has been significantly expanded to reflect these and the many other changes that have occurred, as well as to include state-of-the-art logistics information and technology. The basic tenets of the previous editions have been retained, but new material has been added to make the book more managerial, integrative, and "cutting edge." Strategic Logistics Management is still the only text that takes a marketing orientation and views the subject from a customer satisfaction perspective. While emphasizing the marketing aspects of logistics, it integrates all of the functional areas of the business as well as incorporating logistics into supply chain management. This book has been extensively revised and updated in the areas of technology, global coverage, and transportation. This book features brand new chapters on Supply Chain Management (Ch 2) and Measuring and Selling the Value of Logistics (Ch 17).

The UK's bestselling book on logistics and supply chain management – over 100,000 copies sold. Effective development and management of supply chain networks helps businesses cut costs and enhance customer value. This updated 5th edition is a clear guide to all the key topics in an integrated approach to supply chains. As well as new and

updated examples and case studies, there are two new chapters: Routes to Market: Many companies now have to manage multiple distribution channels - this chapter covers strategic issues on how companies "go to market" along with the cost implications of using alternative channels. Service Logistics: As companies begin to sell performance rather than physical product, this chapter explores the implications for logistics management as the need to provide higher levels of service and customer support becomes ever more critical.

- Dr Tony Whiteing, University of Huddersfield Alan Harrison is Professor of Operations and Logistics at Cranfield School of Management, and Director of Research at Cranfield Centre for Logistics and Transportation. Remko van Hoek is Professor of Supply Chain Management at Cranfield Centre for Logistics and Transportation. He is also Managing Director of the Operations Management Roundtable at the Corporate Executive Board, based in Washington D.C., USA.

Written from a management perspective, the authors integrate logistics, marketing, finance, accounting and manufacturing, with a view to providing expanded coverage of international logistics. Eastern and Central European markets as well as strategic partnerships worldwide, are also addressed. Third revised edition.

This work argues that logistics in warfare is crucial to achieving strategic success. The author identifies logistical capabilities as an arbiter of opportunity, which plays a critical role in determining which side will hold the strategic initiative in war. Armies which have secured reliable resources of supply have a great advantage in determining the time and manner in which engagements take place. Often, they can fight in ways their opponents cannot. The author illustrates this point with case studies of British logistics during the Burma campaign in the World War II, American logistical innovations during the Pacific War, Communist supply methods during the American phase of the Vietnam War and the competing logistical systems of both NATO and Warsaw Pact conventional forces during the Cold War.

This comprehensive overview of logistics provides a conceptual framework for understanding the logistics system, the integration of its basic elements, and its relationship to the overall firm. Discusses both manufacturing and physical distribution, new technologies in each of these areas, and how they related to each other and to the company. New topics covered range from approaches to strategic logistics planning and multi-location inventory planning, to international logistics issues and future directions. Includes case studies.

Speed to market, reducing costs, and accelerating leadtimes are vital for survival in today's competitive environment. Inventory is no longer considered an asset, and strategies are needed to operate with minimal inventories. Lean Six Sigma Logistics provides the vehicle to solidify strategic position, win over customers, and achieve

"Professor Burns has captured the essence of transportation security, one of today's most pressing concerns. As the rate of globalization and world trade increases, security and supply chain resilience are at the core of one's global transportation network. This is a timely and well written contribution to the industry." John A. Moseley, Senior Dir

High-Tech and High-Touch Logistics Solutions for Supply Chain Challenges In today's fast-paced and customer-oriented business environment, superior supply chain performance is a prerequisite to getting and staying competitive. Supply Chain Strategy is based on world-class logistics practices in place in successful supply chain organizations, the latest academic breakthroughs in logistics system design, and the logic of logistics. It presents the proven pillars of success in logistics and supply chain management. Part of McGraw-Hill's Logistics Management Library, Supply Chain Strategy is organized according to author Dr. Ed Frazelle's breakthrough logistics master planning methodology. The methodology leads to metrics, process designs, system designs, and organizational strategies for total supply chain management, total logistics management, customer response, inventory planning and management, supply, transportation, and warehousing. Concise yet complete, Dr. Frazelle's book shows how to develop a comprehensive logistics and supply chain strategy, one that will both complement and support a company's strategic objectives and long-term success. Logistics the flow of material, information, and money between consumers and suppliers has become a key boardroom topic. It is the subject of cover features in business publications from Wall Street Journal to BusinessWeek. Annual global logistics expenditures exceed \$3.5 trillion, nearly 20 percent of the world's GDP, making logistics perhaps the last frontier for major corporations to significantly increase shareholder and customer value. And at the heart of every effort to improve organizational logistics performance? Supply chain efficiency. Supply Chain Strategy is today's most comprehensive resource for up-to-the-minute thinking and practices on developing supply chain strategies that support a company's overall objectives. Covering world-class practices and systems, taken from the files of Coca-Cola, Wal-Mart, General Electric, and other companies, it covers essential supply chain subjects including: Logistics data mining for identifying the root cause of material and information flow problems, pinpointing opportunities for process improvements, and providing an objective basis for project-team decision making Inventory planning and management presenting metrics, processes, and systems for forecasting, demand planning, and inventory control, yielding lower inventory levels and improved customer service Logistics information systems and Web-based logistics helping to substitute information for inventory and work content Transportation and distribution for connecting sourcing locations with customers at the lowest cost by, among other things, leveraging private and third-party transportation systems Logistics organization development including the seven disciplines that link enterprises across the supply chain, as well as logistics activities within those enterprises Supply Chain Strategy explains and demonstrates how decision makers can use today's technology to enhance key logistics systems at every point in the supply chain, from the time an idea or product is conceived through its delivery to the final user. It describes the major steps in developing an effective, workable logistics management program one that will reduce operating expenses, minimize capital investment, and improve overall customer service and satisfaction.

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