

The Handbook Of Logistics And Distribution Management: Understanding The Supply Chain

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. The Handbook of Research on Information Management for Effective Logistics and Supply Chains highlights strategies, tools, and skills necessary for supply management within organizations and companies. Featuring best practices and empirical research within the field, this handbook is a critical reference source for scholars, practitioners, researchers, information systems and telecommunication specialists, and managers.

In this era of globalization, entrepreneurship and its implications on international trade and supply chain management are becoming more critical. In today's change-oriented and complex business environment, both entrepreneurs and managers need to keep up with the latest developments around them. With the help of globalization, it is getting more attractive for entrepreneurs to generate innovative ideas to run business both nationally and internationally. Competitive advantages and the key for sustainable growth for globally founded institutions lies behind effective supply chain management originating from a single idea about establishing a company and the process to the end goal of reaching consumers. This focus on entrepreneurship, business, and supply chain comes at a time when rapid technological advances are continually being made. The Handbook of Research on Recent Perspectives on Management, International Trade, and Logistics reveals the latest data based on research on the issues of entrepreneurship, innovation, contemporary management techniques, and global supply chain management. Chapters include topics such as the effective management of the supply chain, supply chain modeling, e-business solutions, digitalizing the supply chain process, e-business applications, and more. This book is ideal for managers, executives, supply chain specialists, entrepreneurs, business professionals, researchers, academicians, and students interested in the latest findings in international trade, management, logistics, and business.

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

Now in its fourth edition, this definitive text explains the nuts and bolts of logistics and distribution in accessible language. Covering all the major elements of modern logisitcs it is an indispensible guide for both students of logistics as well as newly-appointed distribution, logistics and supply chain managers. This edition has been radically updated to reflect the latest advances in logistics and to cover new topics being studied on academic and professionals courses. It includes brand new chapters on: supply chain segmentation, air transport, maritime transport, outsourcing services and decision making and outsourcing management. It provides a thorough explanation of the latest technologies such as radio frequency identification (RFID), voice technology, satellite crane systems and dynamic pick systems, together with additional information and examples of warehouse design.

Handbook of Healthcare Logistics

The Handbook of Logistics and Distribution Management, 5th Edition

Handbook of Logistics and Supply-Chain Management

Bridging the Gap between Theory and Practice

Concepts and Models

The Routledge Handbook of Public Transport is a reference work of chapters providing in-depth examination of the current issues and future developmets facing public transport. Chapters in this book are dedicated to specific key topics, identifying the challenges therein and pointing to emerging areas of research and concern. The content is written by an international group of expert contributors and is enhanced through contributions from practitioners to deliver a broader perspective. The Handbook deals with public transport policy context, modal settings, public transport environment, public transport delivery issues, smart card data for planning and the future of public transport. This comprehensive reference work will be a vital source for academics, researchers and transport practitioners in public transport management, transport policy and transport planning.

Freight Transport Modelling is a unique new reference book that provides insight into the state-of-the-art of freight modelling. Focusing on models used to support public transport policy analysis, Freight Transport Modelling systematically introduces the latest freight transport modelling approaches and describes the main methods and techniques used to arrive at operational models. As freight transport has grown exponentially in recent decades, policymakers now need to include freight flows in quantitative evaluations of transport systems. Whereas early freight modelling practice was inspired by passenger transport models, by now it has developed its separate stream of methods and techniques inspired by disciplines such as economic geography and supply chain management.

Besides summarizing the latest achievements in fundamental research, this book describes the state of practice and advises practitioners on how to cope with typical challenges such as limitations in data availability. Uniquely focused book exploring the key issues and logistics of freight transport modelling Highlights the latest approaches and describes the main methods and techniques used to arrive at operational models Summarizes fundamental research into freight transport modeling, as well as current practices and advice for practitioners facing day-to-day challenges

Logistics Transportation Systems compiles multiple topics on transportation logistics systems from both qualitative and quantitative perspectives, providing detailed examples of real-world logistics workflows. It explores the key concepts and problem-solving techniques required by researchers and logistics professionals to effectively manage the continued expansion of logistics transportation systems, which is expected to reach an estimated 25 billion tons in the United States alone by 2045. This book provides an ample understanding of logistics transportation systems, including basic concepts, in-depth modeling analysis, and network analysis for researchers and practitioners. In addition, it covers policy issues related to transportation logistics, such as security, rules and regulations, and emerging issues including reshoring. This book is an ideal guide for academic researchers and both undergraduate and graduate students in transportation modeling, supply chains, planning, and systems. It is also useful to transportation practitioners involved in planning, feasibility studies, consultation and policy for transportation systems, logistics, and infrastructure. Provides real-world examples of logistics systems solutions for multiple transportation modes, including seaports, rail, barge, road, pipelines, and airports Covers a wide range of business aspects, including customer service, cost, and decision analysis Features key-term definitions, concept overviews, discussions, and analytical problem-solving

Few people come into logistics management with knowledge and experience of all aspects of the profession. Some may have worked their way up from driving a vehicle but know little of warehouses, others may find themselves taking responsibility for logistics as part of a wider remit such as operations. A Practical Guide to Logistics aims to equip them with the necessary knowledge to move on to the next stage, with simple non-technical explanations of the options available, and impartial advice on how to choose the right option for their business. It is also an excellent primer for students studying logistics for the first time, on BSc or MSc courses, as well as practitioners on professional training courses. A Practical Guide to Logistics is a straightforward guide taking readers through all aspects of this fascinating industry, covering packaging, transportation, warehousing and exporting and importing of goods. There is a real need for this basic knowledge, both for practitioners starting out in the industry or more experienced practitioners who may have gaps in their knowledge. The book examines each aspect of logistics in turn and the text is supported by numerous illustrations.

Logistics of Production and Inventory

Logistics Handbook

The Handbook of Logistics and Distribution Management, 6th Edition

Logistics Transportation Systems

Inventory and Production Control

unique introduction to distribution logistics that focuses on both quantitative modeling and practical business issues Introduction to Distribution Logistics presents a complete and balanced treatment of distribution logistics by covering both applications and the required theoretical background, therefore extending its reach to practitioners and students in a range of disciplines such as management, engineering, mathematics, and statistics. The authors emphasize the variety and complexity of issues and sub-problems surrounding distribution logistics as well as the limitations and scope of applicability of the proposed quantitative tools. Throughout the book, readers are provided with the quantitative approaches needed to handle real-life management problems, and areas of study include: Supply chain management Network design and transportation Demand forecasting Inventory control in single- and multi-echelon systems Incentives in the supply chain Vehicle routing Complete with extensive appendices on probability and statistics as well as mathematical programming, Introduction to Distribution Logistics is a valuable text for distribution logistics courses at both the advanced undergraduate and beginning graduate levels in a variety of disciplines, and prior knowledge of production planning is not assumed. The book also serves as a useful reference for practitioners in the fields of applied mathematics and statistics, manufacturing engineering, business management, and operations research. The book's related Web site includes additional sections and numerical illustrations.

Achieving state-of-the-art excellence and attaining the cost reductions associated with outstanding logistics efforts is an obvious gain in terms of competitive edge and profitability. As logistics tools evolve in comprehensiveness and complexity, and the use of these new tools becomes more pervasive, maintaining a position of leadership in logistics functions also becomes increasingly difficult. And in spite of its importance not only to the bottom line but also to the functionality of your operations, logistics improvement often lags industry requirements. Taking a unique engineering approach, the Logistics Engineering Handbook provides comprehensive coverage of traditional methods and contemporary topics. The book delineates basic concepts and practices, provides a tutorial for common problems and solution techniques, and discusses current topics that define the state of the logistics market. It covers background information that defines engineering logistics, activities and implementation, transportation management, enabling technologies, and emerging trends. Each chapter includes either a brief case study overview of an industrially motivated problem or a tutorial using fabricated data designed to highlight important issues. Presentation, organization, and quality of content set this book a part. Its most distinctive feature is the engineering focus, instead of the more usual business/supply chain focus, that provides a mathematically rigorous treatment without being overly analytical. Another important characteristic is the emphasis on transportation management, especially freight transportation. The section on emerging and growing trends makes the handbook particularly useful to the savvy logistics professional wishing to exploit possible future trends in logistics practice. The handbook is a one-stop shopping location for logistics engineering reference materials ranging from basics to traditional problems, to state-of-the-market concerns and opportunities.

The Fourth Industrial Revolution is now transforming logistics and supply chain industries. Consumer habits are changing fast and supply chains are having to adapt to meet the challenges created by this dynamic new environment. Traditional logistics operating models are under threat. Incumbent freight operators across the entire transport and warehousing spectrum have been forced to develop strategies to effectively compete with new start-ups. The Logistics and Supply Chain Innovation Handbook provides a comprehensive overview of all the major new technologies and business models currently under development and looks at this process of disruption in detail. The Logistics and Supply Chain Innovation Handbook covers many important topics, such as crowd sourcing and shipping, on-demand delivery, autonomous vehicles, automation in the warehouse, electric vehicles and alternative fuels. It provides readers with a straightforward and easy to understand assessment of these innovations and their impact on the industry. Online supporting resources include PowerPoints and sample case studies.

The issue of sustainability has become a vital discussion in many industries within the public and private sectors. In the business realm, incorporating such practices allows organizations to redesign their operations more effectively. The Handbook of Research on Supply Chain Management for Sustainable Development is a critical scholarly resource that examines academic and corporate interest in sustainability in all facets of business management. Featuring coverage on a wide range of topics such as green supply chains, environmental standards, and production planning, this book is geared toward professionals, researchers, and managers seeking current and relevant research on optimizing supply chains to ensure fair labor practices, lower emissions, and a cleaner environment.

The Palgrave Handbook of Humanitarian Logistics and Supply Chain Management

The Handbook of Logistics and Distribution Management, 4th Edition

International Logistics and Supply Chain Outsourcing

The Logistics Outsourcing Handbook

Handbook of Research on Recent Perspectives on Management, International Trade, and Logistics

This handbook begins with the history of Supply Chain (SC) Engineering, it goes on to explain how the SC is connected today, and rounds out with future trends. The overall merit of the book is that it introduces a framework similar to sundial that allows an organization to determine where their company may fall on the SC Technology Scale. The book will describe those who are using more historic technologies, companies that are using current collaboration tools for connecting their SC to other global SCs, and the SCs that are moving more towards cutting edge technologies. This book will be a handbook for practitioners, a teaching resource for academics, and a guide for military contractors. Some figures in the eBook will be in color. Presents a decision model for choosing the best Supply Chain Engineering (SCE) strategies for Service and Manufacturing Operations with respect to Industrial Engineering and Operations Research techniques Offers an economic comparison model for evaluating SCE strategies for manufacturing outsourcing as opposed to keeping operations in-house Demonstrates how to integrate automation techniques such as RFID into planning and distribution operations Provides case studies of SC inventory reductions using automation from AIT and RFID research Covers planning and scheduling, as well as transportation and SC theory and problems

Handbook

Focusing on the specific challenges of research design and exploring the opportunities of conducting research in humanitarian logistics and supply chain management, this handbook is a significant contribution to future research. Chapters include extensive descriptions of methods used, highlighting their advantages and disadvantages, and the challenges in scoping, sampling, collecting and analysing data, as well as ensuring the quality of studies. Covering a wide variety of topics including risk and resilience and the impact of humanitarian logistics on capacity building, sustainability and the local economy, it also explores the need for scalability and co-ordination in the humanitarian network. Contributors provide important insight on future directions and offer crucial guidance for researchers conducting projects within the field.

The Handbook of Logistics and Distribution Management provides an introduction to fundamental elements of modern logistics and distribution. It explores all stages of the supply chain from raw materials through to the final distribution of the finished product. This handbook covers vital areas, including: concepts of logistics and distribution; planning for logistics; procurement and inventory decisions; warehousing and storage; freight transport; and operational management. The 5th edition of The Handbook of Logistics and Distribution Management has been radically updated to reflect the latest advances in logistics and covers new topics studied on academic and professional courses. There are brand new chapters on humanitarian logistics, multichannel fulfilment and reverse logistics, as well as detailed discussion of the latest trends and issues that confront logistics.

The Handbook of Logistics and Distribution Management is a practical handbook and an essential reference for logistics and supply chain practitioners as well as students undertaking professional examinations and degrees in the field of logistics and supply chain.

Modelling Freight Transport

A Practical Guide to a Growing Field

Gower Handbook of Supply Chain Management

Logistics Operations and Management

Handbook of Logistics and Distribution Management

The Handbook of Logistics and Distribution Management is the definitive introduction to all the main elements of modern logistics and distribution. An invaluable guide for distribution, logistics and supply-chain professionals as well as students it covers key topics such as planning for logistics, procurement and inventory decisions, warehousing, freight and operational management.The fifth edition has been completely revised and updated throughout with new material on humanitarian logistics, multichannel fulfilment and reverse logistics.

In today's developing world, international trade is a field that is rapidly growing. Within this economic market, traders need to implement new approaches in order to satisfy consumers' rising demands. Due to the high level of competition, merchants have focused on developing new transportation and logistics strategies. In order to execute effective transportation tactics, decision makers need to know the fundamentals, current developments, and future trends of intercontinental transportation. The Handbook of Research on the Applications of International Transportation and Logistics for World Trade provides emerging research exploring the effective and productive solutions to global transportation and logistics by applying fundamental and in-depth knowledge together with current applications and future aspects. Featuring coverage on a broad range of topics such as international regulations, inventory management, and distribution networks, this book is ideally designed for logistics authorities, trading companies, logistics operators, transportation specialists, government officials, managers, policymakers, researchers, academicians, and students.

Designed for students, young managers and seasoned practitioners alike, this handbook explains the nuts and bolts of the modern logistics and distribution world in plain language. Illustrated throughout, this second edition includes new chapters on areas previously not covered, such as: intermodal transport; benchmarking; environmental matters; and vehicle and depot security.

Effective development and management of a supply chain network is an invaluable source of sustainable advantage in today's turbulent global marketplace, where demand is difficult to predict and supply chains need to be more flexible as a result. This updated 4th edition of the bestselling Logistics and Supply Chain Management is a clear-headed guide to all the key topics in an integrated approach to supply chains, including:

- The link between logistics and customer value.
- Logistics and the bottom line measuring costs and performance.
- Creating a responsive supply chain.
- Managing the global pipeline.
- Managing supply chain relationships.
- Managing risk in the supply chain.
- Matching supply and demand.
- Creating a sustainable supply chain.
- Product design in the supply chain.

Handbook of Research on Supply Chain Management for Sustainable Development

Practical Handbook of Warehousing

Handbook of Research on Urban and Humanitarian Logistics

Handbook of Research on the Applications of International Transportation and Logistics for World Trade

Handbook of Research on Information Management for Effective Logistics and Supply Chains

This book offers complete coverage of logistics, examining modes, general issues, logistics in specific regions, free-trade zones, innovations in international logistics, case studies and a look at the future.

Explore all stages of the supply chain, from raw materials through to the final distribution of the finished product, with this definitive guide.

The ability to build and also maintain a world class logistics and distribution network is an essential ingredient in the success of the world's leading businesses, but keeping pace with changes in your sector and in others is hard to do. With the Gower Handbook of Supply Chain Management you will need to look no further. Written by a team of leading consultants with contributions from leading academic experts, this book will help you to keep pace with the latest global developments in supply chain management and logistics, and plan for the future. This book has over thirty chapters with detailed accounts of key topics and the latest developments, from e-collaboration and CRM integration, to reverse logistics and strategic sourcing, and includes case studies from Asia, Europe and North America. It looks at all aspects of operational excellence in logistics and supply chain management. The Gower Handbook of Supply Chain Management will help managers to benchmark their operations against the best-of-breed supply chains across the world. It provides a unique single source of expert opinion and experience.

The Handbook of Logistics and Distribution ManagementUnderstanding the Supply ChainKogan Page Publishers

The Handbook of Logistics and Distribution Management, Second Edition

Introduction to Distribution Logistics

The Logistics Handbook

An Introduction to Transport, Warehousing, Trade and Distribution

The Handbook of Logistics Contracts

The third-party logistics industry is a growing field. This is the first practical handbook to support managers in the creation and negotiation of logistics contracts from the legal and economic perspective. The book provides the general framework and an extensive analysis of the content, structure and best practices of logistics contracts.

This book presents healthcare logistics solutions that have been successfully implemented at a variety of healthcare facilities. In each case, a major challenge is presented, along with the solution approach and implementation steps, followed by the impact on hospital operations. Problems encountered when implementing the results in practice are also discussed. Much of the work presented is drawn from the experiences of members of the Center for Healthcare Operations Improvement and Research (CHOIR) at Twente, along with the CHOIR spin-off company, Rhythm.

Why study air cargo? Consider that this sector moves only 2% of the global volume of goods but a huge 35% by value, reserved for the most costly and time-sensitive products. Air logistics is an economically and strategically important industry, and a rich source of opportunity for graduating students and logistics or SCM professionals. Get a head start in this vital part of your business with this comprehensive and lively overview.

It's the only book available to focus on the role of air freight in the global supply chain. It includes a brief history; the functions of the various players in the industry (forwarders, airlines, airports, government agencies); regulations and restrictions; terrorism management. It details the benefits of air transport, and weighs them against its considerable environmental impact to explore the question of its sustainability. Finally, it considers the future of the industry in a dynamic and increasingly globalised world. Enriched throughout with real life case studies and contributions from global industry experts, this is a ground-level introduction with a practical approach: all the student or professional will need to get ahead in air logistics!

Going beyond The Distribution Handbook published by The Free Press in 1985, this handbook encompasses all of the latest advances in warehousing and distribution, and expands on this function—including new technological applications and how to manage them. Written by leading executives, consultants, and academics in the field, this comprehensive guide covers all aspects of logistics and approaches to logistics management spanning the entire materials pipeline.

Global Logistics

Handbook of the Logistic Distribution

Logistics Engineering Handbook

Logistics and Supply Chain Management ePub eBook

Packed with worked examples and real-world data, this practical guide offers complete coverage on all the key aspects of distribution, logistics and supply chain planning and management with clear and straightforward explanations. --

This volume contains commissioned refereed papers that cover the main elements of transport logistics. The authors were selected from around the world and asked to provide critiques of their subject areas as well as a review of the state of the art and case study examples.

An essential guide to outsourcing logistics services, offering step-by-step guidelines to successful implementation and invaluable toolkits and frameworks

This book is focused on the impact of ocean transport logistics on global supply chains. It is the first book solely dedicated to the topic, linking the interaction of parties along this chain, including shippers, terminal operators and line carriers. While ocean container transport logistics has been greatly studied, there are many important

issues that have yet to receive the attention they deserve. The editors and contributing authors of Ocean Container Transport Logistics: Making Global Supply Chain Effective seek to address these topics and shed new light on the subject. The book is divided into three parts. Part I examines the innovation, trends, competition and business model of container terminal operations. In Part II, the book looks at how tactical and operational management is used in shipping liners. The chapters cover topics such as empty container repositioning, slow steaming, routing, network design and disruption management. Finally Part III explores at shippers and global supply chain management, with chapters on transportation service procurement, hinterland transportation, green corridors, as well as competition and co-operation in maritime logistics operations. The eighteen chapters of the book all highlight the immediate effect of ocean transport logistics on global supply chain.

Handbook of Ocean Container Transport Logistics

The Handbook of Logistics and Distribution Management

A Step-By-Step Guide from Strategy Through to Implementation

Disruptive Technologies and New Business Models

Air Freight and the Global Supply Chain

This is a fourth edition of a work first published in 1983. It contains the same number of chapters as the third edition, published in 1990. However, it has a substantial amount of new material. Major changes in warehousing in the last seven years have caused appropriate changes in the content of this text. Nearly three decades have passed since our first published writing about warehousing, between the third-party warehouse operator and the user of these services. Today the emphasis has changed to a work that provides the tools that every warehouse manager needs. This book intends to be a comprehensive handbook consisting of everything we know that would help the manager of warehouses. Much of the information is based upon materials previously used in Warehousing designed primarily as a handbook for manag ers, it also serves as a guide for students. It is based upon my experience, both as a warehousing manager and executive, and later as a management advisor. The work is designed as a management reference for anyone involved in operating, using, constructing, or trading in industrial warehouses.

Logistics and supply chain outsourcing is an area of constant growth, and global sourcing is now a competitive requirement. This text covers both strategic and operational aspects with observations and practical advice.

The Logistics Handbook encompasses all of the latest advances in warehousing and distribution. It provides invaluable "how to" problem-solving tools and techniques for all the ever-increasing logistical problems managers face -- making it the most complete and authoritative handbook to date. Special features include: * The most in-depth coverage of a wide range of topics, including information Contributions found nowhere else from the leading executives, consultants, and academics in the field, such as C. John Langley, James Heskett, and David Anderson * State of the art graphics * Information-packed appendixes of logistics publications and organizations This all-inclusive reference will enable the next generation of managers to thoroughly integrate their logistics operations at all levels into a comprehensive logistics strategy.

City logistics is one of the most popular fields of transportation sciences, dealing with sustainably supplying cities and at the same time reducing congestion and pollution related to goods transport in urban areas. Recently, humanitarian, emergency, and crises logistics has been a subject of increasing interest, often seen from an international viewpoint. However, some of the recent natural crises have exposed the weaknesses of current urban logistics systems. The Handbook of Research on Urban and Humanitarian Logistics is a critical scholarly publication that addresses urban logistics and resilience, sustainable urban logistics, humanitarian logistics in urban areas both for crisis or long-term, and planning for resilient urban development. Featuring a broad range of topics that discuss the new and future trends in urban logistics, the book is a valuable resource for urban planners; urban planners; company managers in logistics and transport; consulting agencies; regional, national, and international institutions and organizations; researchers; academicians; and students.

Understanding the Supply Chain

The Air Logistics Handbook

Supply Chain Engineering and Logistics Handbook

A Practical Guide to Logistics

The Logistics and Supply Chain Innovation Handbook