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The Essentials of Supply Chain Management
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Strategic Logistics Management Kogan Page Publishers

The field of logistics is developing at a remarkable pace and its role is now integral to the long term plans of almost all businesses. Communications and IT are offering ever more opportunities; world trade is growing; new markets are developing; yet at the same time there is increasing concern for the environment. The world of logistics is constantly evolving in response to these changes. In the same way, the fifth edition of this established book has evolved to represent the current trends, best practice and latest thinking on global logistics. It serves as a forum allowing the contributors, a range of acknowledged sector specialists, to discuss key logistics issues and give their authoritative views.

Decarbonizing Logistics Springer Science & Business Media
Industrial revolutions have impacted both, manufacturing and service. From the steam engine to digital automated production, the industrial revolutions have conducted significant changes in operations and supply chain management (SCM) processes. Swift changes in manufacturing and service systems have led to phenomenal improvements in productivity. The fast-paced environment brings new challenges and opportunities for the companies that are associated with the adaptation to the new concepts such as Internet of Things (IoT) and Cyber Physical Systems, artificial intelligence (AI), robotics, cyber security, data analytics, block chain and cloud technology. These emerging technologies facilitated and expedited the birth of Logistics 4.0. Industrial Revolution 4.0 initiatives in SCM has attracted stakeholders' attentions due to its ability to empower using a set of technologies together that helps to execute more efficient production and distribution systems. This initiative has been called Logistics 4.0 of the fourth Industrial Revolution in SCM due to its high potential. Connecting entities, machines, physical items and enterprise resources to each other by using sensors, devices and the internet along the supply chains are the main

attributes of Logistics 4.0. IoT enables customers to make more suitable and valuable decisions due to the data-driven structure of the Industry 4.0 paradigm. Besides that, the system's ability of gathering and analyzing information about the environment at any given time and adapting itself to the rapid changes add significant value to the SCM processes. In this peer-reviewed book, experts from all over the world, in the field present a conceptual framework for Logistics 4.0 and provide examples for usage of Industry 4.0 tools in SCM. This book is a work that will be beneficial for both practitioners and students and academicians, as it covers the theoretical framework, on the one hand, and includes examples of practice and real world.

Efficient Logistics CRC Press

This book analyzes the effects of the latest technological advances in blockchain and artificial intelligence (AI) on business operations and strategies. Adopting an interdisciplinary approach, the contributions examine new developments that change the rules of traditional management. The chapters focus mainly on blockchain technologies and digital business in the "Industry 4.0" context, covering such topics as accounting, digitalization and use of AI in business operations and cybercrime. Intended for academics, blockchain experts, students and practitioners, the book helps business strategists design a path for future opportunities.

The Geography of Transport Systems CRC Press

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

Global Logistics McGraw-Hill/Irwin

Global Logistics Management focuses on the evolution of logistics in the last two decades, and highlights recent developments from a worldwide perspective. The book details a wide range of application-oriented studies, from metropolitan bus routing problems to relief logistics, and introduces the state of the art on some classical applications. The book addresses typical logistic problems, most specifically the vehicle routing problem (VRP), followed by a series of analyses and discussions on various logistics problems plaguing airline and marine systems. The text addresses problems encountered in continuous space, and discusses the issue of consolidation, scheduling, and replenishment decisions together with routing. It proposes a methodology that supports decision making at a tactical and operational level associated with daily inventory management, and also examines the three-echelon logistic network. This material provides numerous examples and additional topics that include: An analysis for the airline industry and a novel approach for airline logistics including fare pricing and seat inventory control The berth-crane allocation problem in container terminals A marine system logistics application Ice navigation problems and factors that affect ice navigation Pharmaceutical warehouse route design problems An application in healthcare logistics in which medical suppliers are evaluated through a fuzzy linguistic representation model A real data-driven simulation model that outputs a new shuttle system A model that integrates routing and

batching problems Joint replenishment and transportation problems Global Logistics Management clearly illustrates logistic problems encountered in many different application areas, and provides you with the latest advances in classical applications. *End of the Line* Bookboon

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.

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

"On Time-In Full" is an important work. Tim McLean provides an easy to follow practical approach to building a highly performing supply chain" -Drew Locher, Shingo Prize Winning Author and Lean Thinker The most fundamental requirement for a manufacturing or distribution business is to deliver to customers what they want, in the quantity they want, when they want it. It doesn't matter how good your product is, how much the customer likes your salesperson, how slick your marketing campaign is: If your customers can't get what they want when they want it, they will get it elsewhere, and your business will be in serious trouble. *On Time in Full: Achieving Perfect Delivery with Lean Thinking in Purchasing, Supply Chain and Production Planning* is a step-by-step practical guide to designing a Lean Supply Chain that will deliver what your customers need, when they need it, every time. Timothy McLean shares his three decades of Lean supply chain experience -- In simple straightforward language, he explores the reasons why supply chains fail to deliver and what you can do about it. *On Time In Full* includes practical guidance for tackling the big issues affecting supply chains including: How to understand your extended supply chain with a value stream map The role of forecasting in your supply chain and how to get a meaningful forecast Calculating the right level of inventory for your business Scheduling daily production to meet demand Managing suppliers and your supply chain at home and internationally Selecting and making the best use out of an ERP

system Designing an efficient distribution network The book is full of practical case studies and examples as well as references for further study. *On Time, In Full* is the complete guide to setting up a supply chain that works.

Digital Business Strategies in Blockchain Ecosystems

Springer Science & Business Media

Vulnerability to sudden supply chain disruption is one of the major threats facing companies today. The challenge for businesses today is to mitigate this risk through creating resilient supply chains. Addressing this need, *Supply Chain Risk Management* guides you through the whole risk management process from start to finish. Using jargon-free language, this accessible book covers the fundamentals of managing risk in supply chains. From identifying the risks to developing and implementing a risk management strategy, this essential text covers everything you need to know about this critical topic. It assesses the growing impact of risk on supply chains, how to plan for and manage disruptions and disasters, and how to mitigate their effects. It examines a whole range of risks to supply chains, from traffic congestion to major environmental disasters. Highly practical, *Supply Chain Risk Management* provides a range of useful tables, diagrams and tools and is interspersed with real life case study examples from leading companies, including Nokia, IBM, and BP. The 2nd edition has been completely revised with brand new case studies on the Chilean Mining Disaster and BP oil spill.

Frontiers in Gaming Simulation John Wiley & Sons

Encompassing China, Japan, South Korea and Southeast Asia, extending to Australasia and connecting with South Asia, the Asian-Pacific Rim forms the world's most dynamic economic region. Comprehending the region's logistical structure and its institutio

Logistics 4.0 Edward Elgar Publishing

Fundamentals of Logistics Management provides a unique opportunity to leverage high profile, quality authorship into a market segment that has had little prior access to it. This text approaches logistics from a marketing perspective which is unique to its competitors. It also integrates the area of marketing, accounting, finance, and manufacturing within the text.

Global Logistics and Strategy, 1940-1943 World Bank Publications

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.

Supply Chain Risk Management World Bank Publications

Students of logistics, transportation, and supply chain management, as well as international managers will find *International Logistics: Global Supply Chain Management* an essential reference for understanding how cargo is moved around the world. A comprehensive guide that includes the theory and practice of global supply chain management, *International Logistics: Global Supply Chain Management* uses current, real-world issues to make the material as relevant as possible, notwithstanding the fast-paced nature of this industry. Yet, the author also includes the theory and history of global supply chain management to provide a deeper understanding of the intricacies involved. *International Logistics: Global Supply Chain Management* is distinct in the following ways: A balanced approach between theoretical research and real-world practice, Cutting-edge, original graphics help explain concepts better than any current book, Instructor's Manual provided by the author upon request. Combined with pedagogical features and real-world case studies, *International Logistics: Global Supply Chain Management* is a must-have textbook for students of logistics, transportation, and supply chain management students, as well as a reference for international managers.

International Logistics FT Press

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.

Logistics Management and Strategy Pearson UK

Mobility is fundamental to economic and social activities such as commuting, manufacturing, or supplying energy. Each movement has an origin, a potential set of intermediate locations, a destination, and a nature which is linked with geographical attributes. Transport systems composed of infrastructures, modes and terminals are so embedded in the socio-economic life of individuals, institutions and corporations that they are often invisible to the consumer. This is paradoxical as the perceived invisibility of transportation is derived from its efficiency. Understanding how mobility is linked with geography is main the

purpose of this book. The third edition of *The Geography of Transport Systems* has been revised and updated to provide an overview of the spatial aspects of transportation. This text provides greater discussion of security, energy, green logistics, as well as new and updated case studies, a revised content structure, and new figures. Each chapter covers a specific conceptual dimension including networks, modes, terminals, freight transportation, urban transportation and environmental impacts. A final chapter contains core methodologies linked with transport geography such as accessibility, spatial interactions, graph theory and Geographic Information Systems for transportation (GIS-T). This book provides a comprehensive and accessible introduction to the field, with a broad overview of its concepts, methods, and areas of application. The accompanying website for this text contains a useful additional material, including digital maps, PowerPoint slides, databases, and links to further reading and websites. The website can be accessed at: <http://people.hofstra.edu/geotrans> This text is an essential resource for undergraduates studying transport geography, as well as those interest in economic and urban geography, transport planning and engineering.

The Cost of Being Landlocked Currency

U.S. Army logistics, primarily of ground forces, in its relation to global strategy; the treatment is from the viewpoint of the central administration in Washington--Joint and Combined Chiefs of Staff, the War Department General Staff, and the Services of Supply.

Global Logistics Palgrave Macmillan

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 if 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 On Time, In Full Kogan Page Publishers 'The Cost of Being Landlocked' proposes a new analytical framework to interpret and model the constraints faced by logistics chains on international trade corridors. The plight of landlocked developing countries (LLDCs) has naturally received special attention for decades, leading to a specific set of development priorities based upon the concept of dependence on the transit state. Therefore, the standard approach used to tackle the cost of being landlocked has been predominantly aimed at developing regional transport infrastructure and ensuring freedom of transit through regional conventions. But without sufficient attention given to the performance of logistics service delivery to traders, the standard approach is unable to address key bottleneck concerns and the factors that contribute to the cost of being landlocked. Consequently, the impact of massive investment on trade corridors could not materialize to its full extent. Based on extensive data collection in several regions of the world, this book argues that although landlocked developing countries do face high logistics costs, these costs are not a result of poor road infrastructure, since transport prices largely depend on trucking market structure and implementation of transit processes. This book suggests that high logistics costs in LLDCs are a result of low logistics reliability and predictability, which stem from rent-seeking and governance issues. 'The Cost of Being Landlocked' will serve as a useful guide for policy makers, supervisory authorities, and development agencies.

Global Logistics McGraw-Hill/Irwin

Everyone can impact the supply chain *Supply Chain Management For Dummies* helps you connect the dots between things like purchasing, logistics, and operations to see how the big picture is affected by seemingly isolated inefficiencies. Your business is a system, made of many moving parts that must synchronize to most efficiently meet the needs of your customers—and your shareholders. Interruptions in one area ripple throughout the entire operation, disrupting the careful coordination that makes businesses successful; that's where supply chain management (SCM) comes in. SCM means different things to different people, and many different models exist to meet the needs of different industries. This book focuses on the broadly-applicable Supply Chain Operations Reference (SCOR) Model: Plan, Source, Make, Deliver, Return, and Enable, to describe the basic techniques and key concepts that keep businesses running smoothly. Whether you're in sales, HR, or product development, the decisions you make every day can impact the supply chain. This book shows you how to factor broader impact into your decision making process based on your place in the system. Improve processes by determining your metrics Choose the right software and implement appropriate automation Evaluate and mitigate risks at all steps in the supply chain Help your business function as a system to more effectively meet customer needs We tend to think of the supply chain as suppliers, logistics, and warehousing—but it's so much more than that. Every single person in your organization, from the mailroom to the C-suite, can work to enhance or hinder the flow. *Supply Chain Management For Dummies* shows you what you need to know to make sure your impact leads to positive outcomes.

Logistics and Supply Chain Management ePub eBook IGI Global In September 1999, an earthquake devastated much of Taiwan, toppling buildings, knocking out electricity, and killing 2,500 people. Within days, factories as far away as California and Texas began to close. Cut off from their supplies of semiconductor chips, companies like Dell and Hewlett-Packard began to shutter assembly lines and send workers home. A disaster that only a decade earlier would have been mainly local in nature almost cascaded into a grave global crisis. The quake, in an instant, illustrated just how closely connected the world had become and just how radically different are the risks we all now face. End of

the Line is the first real anatomy of globalization. It is the story of how American corporations created a global production system by exploding the traditional factory and casting the pieces to dozens of points around the world. It is the story of how free trade has made American citizens come to depend on the good will of people in very different nations, in very different regions of the world. It is a story of how executives and entrepreneurs at such companies as General Electric, Cisco, Dell, Microsoft, and Flextronics adapted their companies to a world in which America's international policies were driven ever more by ideology rather than a focus on the long-term security and well-being of society. Politicians have long claimed that free trade creates wealth and fosters global stability. Yet Lynn argues that the exact opposite may increasingly be true, as the resulting global system becomes ever more vulnerable to terrorism, war, and the vagaries of nature. From a lucid explanation of outsourcing's true impact on American workers to an eye-opening analysis of the ideologies that shape free-market competition, Lynn charts a path between

the extremes of left and right. He shows that globalization can be a great force for spreading prosperity and promoting peace—but only if we master its complexities and approach it in a way that protects and advances our national interest.

Special Economic Zones John Wiley & Sons

This is today's indispensable introduction to supply chain management for today's students and tomorrow's managers – not yesterday's! Prof. Hokey Min focuses on modern business strategies and applications – transcending obsolete logistics- and purchasing-driven approaches still found in many competitive books. Focusing on outcomes throughout, *The Essentials of Supply Chain Management* shows how to achieve continuous organizational success by applying modern supply chain concepts. Reflecting his extensive recent experience working with leading executives and managers, Min teaches highly-effective methods for supply chain thinking and problem-solving. You'll master an integrated Total System Approach that places functions

like inventory control and transportation squarely in context, helping you smoothly integrate internal and external functions, and establish effective inter-firm cooperation and strategic alliances across complex supply chains. Coverage includes: Understanding modern sourcing, logistics, operations, sales, and marketing – and how they fit together Using modern supply chain methods to improve customer satisfaction and quality Working with cutting-edge supply chain technology and metrics Moving towards greater sustainability and more effective risk management Working with core analytical tools to evaluate supply chain practices and measure performance Legal, ethical, cultural, and environmental/sustainability aspects of modern supply chain operations How to build a career in global supply chain management *The Essentials of Supply Chain Management* will be an indispensable resource for all graduate and undergraduate students in supply chain management, and for every practitioner pursuing professional certification or executive education in the field.