

Reverse Logistics Pwc

This book is purposefully styled as an introductory textbook on circular economy (CE) for the benefit of educators and students of universities. It provides comprehensive knowledge exemplified by practices from policy, education, R&D, innovation, design, production, waste management, business and financing around the world. The book covers sectors such as agriculture/food, packaging materials, build environment, textile, energy, and mobility to inspire the growth of circular business transformation. It aims to stimulate action among different stakeholders to drive CE transformation. It elaborates critical driving forces of CE including digital technologies; restorative innovations; business opportunities & sustainable business model; financing instruments, regulation & assessment and experiential education programs. It connects a CE transformation for reaching the SDGs2030 and highlights youth leadership and entrepreneurship at all levels in driving the sustainability transformation.

The International Conference on ICT for Digital, Smart, and Sustainable Development (ICIDSSD'20) aims to provide an annual platform for the researchers, academicians, and professionals from across the world. ICIDSSD'20, held at Jamia Hamdard, New Delhi, India, is the second international conference of this series of conferences to be held annually. The conference majorly focuses on the recent developments in the areas relating to Information and Communication Technologies and contributing to Sustainable Development. ICIDSSD'20 has attracted research papers pertaining to an array of exciting research areas. The selected papers cover a wide range of topics including but not limited to Sustainable Development, Green Computing, Smart City, Artificial Intelligence, Big Data, Machine Learning, Cloud Computing, IoT, ANN, Cyber Security, and Data Science. Papers have primarily been judged on originality, presentation, relevance, and quality of work. Papers that clearly demonstrate results have been preferred. We thank our esteemed authors for having shown confidence in us and entrusting us with the publication of their research papers. The success of the conference would not have been possible without the submission of their quality research works. We thank the members of the International Scientific Advisory Committee, Technical Program Committee and members of all the other committees for their advice, guidance, and efforts. Also, we are grateful to our technical partners and sponsors, viz. HNF, EAI, ISTE, AICTE, IIC, CSI, IETE, Department of Higher Education, MHRD and DST for sponsorship and assistance.

This book provides readers a holistic and pragmatic approach towards supply management in China. It elaborates on how supply management should integrate the optimum level, and a combination of quality, cost and delivery. In addition to serving as a guide on how to address cultural barriers, apply supply tools and concepts, it also illustrates the best practices in supply management in China. It draws from a large number of best practices of companies from automotive to railway, to convince other functional departments and higher management that supply management plays the most fundamental role in any organization due to the high number of value adding activities which are coming from suppliers. These practices have been derived by a multi-methodical approach including interviews with supply management leaders from industry and experts in academia, making it as unique and a suitable a guide for practitioners and academics.

Zainteresowanie zwrotami i reklamacjami w wysoko rozwiniętej gospodarce oraz zmiany zachowań zakupowych klientów (także w Polsce) wskazują na konieczność szerszej analizy tego problemu. Na gruncie polskim dostrzegamy w tym zakresie wyraźny deficyt i lukę badawczą. Przyczyn takiego stanu rzeczy upatrywać można m.in. w niedopracowanych jeszcze systemach zarządzania zwrotami i konieczności dostosowania ich do wymogów zrównoważonego rozwoju oraz eliminacji negatywnego wpływu odpadów na środowisko naturalne. Powyższe skłoniło autorkę do podjęcia zagadnień związanych z logistyczną obsługą zwrotów i jej oddziaływaniem na stopień zadowolenia klientów. Problem badawczy sformułowano na podstawie kilku przesłanek, które były inspiracją do prze-prowadzenia badań w?asn?ych. Problemem badawczym niniejszej pracy jest rosn?aca skala zwrotów konsumenckich oraz malej?ca lojalno?? klientów wobec marek. W tym kontek?cie kluczowe znaczenie ma identyfikacja logistycznych aspektów zarządzania wolumenem zwrotów i ich wpływ na zadowolenie klienta z procesu zarządzania jego obsług??. W tym celu zosta?y przeprowadzone badania ankietowe w?ród konsumentów indywidualnych na próbce 327 osób w wieku 16–69 lat wed?ug struktury populacji. Jednostk? badawcz? stanowili konsumenci, którzy przynajmniej jednokrotnie mieli do czynienia ze zwrotem zakupionego produktu.

It is vitally important for businesses to have a holistic understanding of the many issues surrounding and shaping sustainability, from competitors to government and political factors, to economics and ecological science. This integrated textbook for MBA and senior-level undergraduates offers a comprehensive overview of the issues of sustainability as they relate to business and influence corporate strategy. It also features a wide range of cases and an extensive discussion of tools to incorporate sustainability issues into strategic decision making, helping instructors and students to build and then apply a solid understanding of sustainability in business.

Sustainability is a growing area of research in ecology, economics, environmental science, business, and cultural studies. Specifically, sustainable waste disposal and management is a growing concern as both solid and liquid wastes are rapidly expanding in direct correlation with population growth and improved economic conditions across regions. The Handbook of Research on Waste Management Techniques for Sustainability explores the topic of sustainable development in an era where domestic and municipal waste is becoming a concern for both human and environmental health. Highlighting a number of topics relating to pollution, green initiatives, and waste reduction in both the public and private sector, this research-based publication is designed for use by environmental scientists, business executives, researchers, graduate-level students, and policymakers seeking the latest information on sustainability in business, medicine, agriculture, and society.

Digital technology has changed the way we work, socialize, shop, play and learn. This book offers a stimulating exploration of how digitization has begun transforming the prevailing global logistics system into a self-service and sharing economy, and ultimately provides a vision of the monumental changes likely to overflow into the business landscape.

Integrated Biorefineries: Design, Analysis, and Optimization examines how to create a competitive edge in biorefinery innovation through integration into existing processes and infrastructure. Leading experts from around the world working in design, synthesis,

and optimization of integrated biorefineries present the various aspects of this complex process, capturing the state of the art in the advancing bioeconomy. The book defines an integrated biorefinery as a processing facility that transforms biomass into value-added products—from biofuels and biochemicals to food and pharmaceuticals. The chapters cover biorefinery product and process design, supply chains, process analysis, feedstocks, technologies, and policy and environmental analysis. They focus on second-generation feedstocks, including forestry resources, energy crops, agricultural residues, oils, and various waste materials. With the growing interest in sustainability in general and in renewable resources in industrial facilities, biorefineries are likely to play increasingly significant roles and have greater economic, environmental, and societal impact. This book fills an information gap by presenting cutting-edge advances that can effectively guide engineers and decision makers in the synthesis, selection, design, analysis, and optimization of biorefineries.

Footfall.in - Know your smart shopper focuses on helping retailers get ready for the Phygital Age. What exactly is Phygital? Is it a way to increase footfall at your store? Why are some online giants making the move to physical retail? Have they cracked the art of finding customers, or do they already know it? Is there a need for a retail Robin Hood, and how can he help to bring retail back? This book answers these questions and many more. Find out the role of technology in bringing retail back to stores that were loved by customers a few decades ago. Find out what customers really come to buy at stores.

The “EPCglobal Architecture Framework” is currently the most accepted technical approach to the Internet of Things and provides a solid foundation for building Business-to-Business information networks based on unique identifications of ‘things’. Lately, the vision of the Internet of Things has been extended to a more holistic approach that integrates sensors as well as actuators and includes non-business stakeholders. A detailed look at the current state of the art in research concerning cost and benefit estimations is provided and the limits of Cost Benefit Sharing for RFID-based IT-infrastructures are explained. In this work a market driven evaluation based on sales potential of information is developed. Simple technical means for aggregation of micro values to a billable amount are discussed. The requirements for electronic billing infrastructure are defined and a matching e-billing solutions for an evaluation scenario is presented, providing a technical infrastructure to evaluate and bill product-related information in a future Internet of Things, based on an extended EPCglobal Architecture. Further opportunities and threats are discussed to provide an overview of its future potential. As a result it will contribute to the sustainable success of the Internet of Things itself.

Inhaltsangabe:Introduction: As the world population is growing continuously and emerging markets are expanding, natural resources are being used even more intensively. Because of the scarcity of natural resources, industry faces a changing business environment. Due to government regulations, companies nowadays must handle not only in terms of efficiency, but also of sustainable development and new market opportunities. Thus, with the progression of the logistics sector in recent years, supply chain management and especially the concept of reverse logistics have become more important for both, industry and science. By utilizing reverse logistics, companies aim at maximizing their product revenue while reducing the costs of product returns.

Accordingly, implementing an effective concept of reverse logistics, while manufacturing environmentally friendly products, has become a strategic issue. In order to meet the requirements, companies are confronted with the problem of reducing the uncertainties regarding the quality, quantity and timing of the product returns. In this context, a high level of uncertainty leads to a strong increase in complexity compared to the traditional forward supply chains. Using modern computer aided modelling techniques such as system dynamics, helps to counteract this complexity since they not only enable a better understanding of the dynamic behaviour of such complex systems but also allow an improved estimation of the impact of a changing environment and management decisions. This thesis contributes towards an improvement of the strategic decision making process in the field of reverse logistics by providing a generic simulation model which can be used to analyse the influence of different environmental and economical policies with respect to prevailing market conditions. To achieve this objective, the following approach is proposed: In Chapter 2, the theoretical foundation of reverse logistics is characterized forming the framework for the subsequent analytical approach concerning the appropriate model development. For this purpose, first, an overview of the state of the art concerning the processes and influencing factors within the field of reverse logistics is provided. This is achieved by describing the theoretical background of the topic, including a characterization of the impact of individual reverse logistic activities on each other and on their environment. Afterwards, current challenges and trends when [...]

Complete best practices for running high-value supply chains and earning elite CSCMP certification... 8 authoritative books, in convenient e-format, at a great price! 8 authoritative books help you plan, manage, and optimize any supply chain -- and systematically prepare for CSCMP's industry-leading certification Master crucial knowledge for earning industry-leading CSCMP Level One SCPro™ certification: demonstrate your skills in planning and managing world-class supply chains! This unique 8 eBook package will be an indispensable resource for supply chain professionals and students in any organization or environment. It contains 7 complete books commissioned by Council of Supply Chain Management Professionals (CSCMP), the preeminent worldwide professional association dedicated to advancing and disseminating SCM research and knowledge. CSCMP's Definitive Guide to Integrated Supply Chain Management is your definitive reference to managing supply chains that improve customer service, reduce costs, and enhance business performance. Clearly and concisely, it introduces modern best practices for organizations of all sizes, types, and industries. Next, this package contains six eBooks fully addressing core areas of CSCMP Level One SCPro™ certification: manufacturing/service operations; warehousing; supply management/procurement; transportation; order fulfillment/customer service, and inventory management. All six offer focused coverage of essential technical and behavioral skills, addressing principles, elements, strategies, tactics, processes, business interactions/linkages, technologies, planning, management, measurement, global operations, and more. The Definitive Guide to Manufacturing and Service Operations introduces complete best practices for planning, organizing, and managing the production of products and services. It introduces key terminology, roles, and goals; techniques for planning and scheduling facilities, material, and labor; continuous process and quality improvement methods; sustainability; MRP II, DRP, and other technologies; and more. Next, The Definitive Guide to

Warehousing helps you optimize all facets of warehousing, step by step. It explains each warehousing option, storage and handling operations, strategic planning, and the effects of warehousing decisions on total logistics costs and customer service. It covers product and materials handling, labor management, warehouse support, extended value chain processes, facility ownership, planning, strategy decisions, warehouse management systems, Auto-ID, AGVs, and more. The Definitive Guide to Supply Management and Procurement helps you drive sustainable competitive advantage via better supplier management and procurement. It covers transactional and long-term activities; category analysis, supplier selection, contract negotiation, relationship management, performance evaluation/management; sustainability; spend analysis, competitive bidding, eProcurement, eSourcing, auctions/reverse auctions, contract compliance, global sourcing, and more. The Definitive Guide to Transportation is today's most authoritative guide to world-class supply chain transportation. Its coverage includes: transportation modes, execution, and control; outsourcing, modal and carrier selection, and 3PLs; TMS technologies; ocean shipping, international air, customs, and regulation; and more. The Definitive Guide to Order Fulfillment and Customer Service covers all facets of building and operating world-class supply chain order fulfillment and customer service processes, from initial customer inquiry through post sales service and support. It introduces crucial concepts ranging from order cycles to available-to-promise, supply chain RFID to global order capture networks, guiding you in optimizing every customer contact you make. CSCMP's The Definitive Guide to Inventory Management addresses all the technical and behavioral skills needed for success in any inventory management role. It illuminates planning, organizing, controlling, directing, motivating and coordinating every activity required to efficiently control product flow. You'll find best-practice coverage for making long-term strategic decisions; mid-term tactical decisions; and short-term operational decisions. Topics discussed range from VMI and inventory reduction to new challenges in global inventory management. Finally, in Demand and Supply Integration: The Key to World-Class Demand Forecasting, Mark A. Moon helps you effectively integrate demand forecasting within a comprehensive, world-class Demand and Supply Integration (DSI) process. Moon shows how to approach demand forecasting as a management process; choose and apply the best qualitative and quantitative techniques; and create demand forecasts that are far more accurate and useful. If you're tasked with driving more value from your supply chain, this collection offers you extraordinary resources -- and unsurpassed opportunities. From world-renowned supply chain experts Brian J. Gibson, Joe B. Hanna, C. Clifford Defee, Haozhe Chen, Nada Sanders, Scott B. Keller, Brian C. Keller, Wendy L. Tate, Thomas J. Goldsby, Deepak Iyengar, Shashank Rao, Stanley E. Fawcett, Amydee M. Fawcett, Matthew A. Waller, Terry L. Esper and Mark A. Moon

This is a comprehensive book on all relevant aspects of Business Logistics Management. It provides a solid foundation in logistics theory, which is integrated into a variety of business contexts from finance to e-business. It is also a highly accessible and practical manual for students planning to work in the field.

Innovative technologies provide opportunities for making manufacturing and logistics operations cleaner and more resource-efficient. New technologies focus on lifecycle engineering and lifecycle management. This book will be valuable to both academics

and practitioners who wish to deepen their knowledge of technology management. The book will cover technical, organizational, financial and social issues connected to the implementation of more sustainable technologies.

Economic growth and rising levels of consumption in developing and developed countries has been observed as being deeply coupled with natural resource usage and material consumption. The increasing need for natural resources has raised concerns regarding issues such as resource scarcity, undesirable environmental impacts due to material extraction, primary production, and suboptimal product disposal, and social or political tensions. Product End-of-Life (EoL) options, such as reusing or recycling, attempt to limit or reduce the amount of waste sent to a landfill, providing strategic means to decouple the link between economic growth and resource usage. These EoL options have the potential to close material loops, further utilizing wastes as resources, reducing environmental impacts, conserving natural resources, reducing material prices, and providing job opportunities in developing countries. Remanufacturing, on the other hand, is a unique EoL option due to increasing the number of life cycles of a product before final disposal. First, recurring environmental benefits, such as emission and raw material extraction avoidance are obtained with each additional product life cycle. Second, individual resource efficiency yields increase through product remanufacture. Resource efficiency or, using more with less will continue to compound with each additional life cycle. Third, recirculating products decreases the demand and dependency for primary resource production, further closing the material loop and creating a more circular economy. In addition, remanufacturing can initiate more preferable EoL options such as recovery, recycling, and waste reduction. While remanufacturing offers numerous benefits, there is significant lack of literature and books covering the fundamentals of operations, technologies and business models. The proposed book will provide in-depth coverage of remanufacturing fundamentals and its strong link to circular economy and resource efficiency.

Wanja Wellbrock erstellt erstmalig ein Entwicklungsprozessmodell für SCM-Innovationen, leitet daraus selbstständig bzw. in Kooperation mit der Unternehmenspraxis drei innovative Supply-Chain-Management-Konzepte (Tier-n-Management, Value Added Assembly, Supplier Controlled Sequencing) ab und weist deren Anwendbarkeit in der Praxis nach. Sowohl in der Logistikforschung als auch in der Unternehmenspraxis besteht ein hoher Bedarf an innovativen Lösungen im Supply Chain Management. Das Entwicklungsprozessmodell basiert auf einer branchenübergreifenden Bedarfsanalyse und entsteht sowohl aus theoretischen, als auch empirischen Ansätzen.

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. Contemporary Approaches and Strategies for Applied Logistics is a critical scholarly resource that examines applied research and development in logistics and supply chain management. Featuring coverage on a broad range of topics, such as computational logistics, inventory management, and partnership formation, this book is geared towards academicians, researchers, and practitioners seeking current research on enabling an efficient and sustainable economy.

The book focuses on the power of business blockchain. It gives an overview of blockchain in traditional business, marketing, accounting and business intelligence. The book provides a detailed working knowledge of blockchain, user cases of blockchain in business, cryptocurrency and Initial Coin Offering(ICO) along with the risks associated with them. The book also covers the detailed study of decentralization, mining, consensus, smart contracts, concepts and working of distributed ledgers and hyper ledgers as well as many other important concepts. It also details the security and privacy aspects of blockchain. The book is beneficial for readers who are preparing for their business careers, those

who are working with small scale businesses and startups, and helpful for business executives, managers, entrepreneurs, bankers, government officials and legal professionals who are looking to blockchain for secure financial transactions. The book will also be beneficial for researchers and students who want to study the latest developments of blockchain.

Risks and uncertainties?market, financial, operational, social, humanitarian, environmental, and institutional?are the inherent realities of the modern world. Stock market crashes, demonetization of currency, and climate change constitute just a few examples that can adversely impact financial institutions across the globe. To mitigate these risks and avoid a financial crisis, a better understanding of how the economy responds to uncertainties is needed. *Maintaining Financial Stability in Times of Risk and Uncertainty* is an essential reference source that discusses how risks and uncertainties affect the financial stability and security of individuals and institutions, as well as probable solutions to mitigate risk and achieve financial resilience under uncertainty. Featuring research on topics such as financial fraud, insurance ombudsman, and Knightian uncertainty, this book is developed for researchers, academicians, policymakers, students, and scholars.

As legislations have become stricter and the competition on markets is getting stronger, companies facing return flows strive for the implementation of efficient and cost-effective reverse logistic procedures. At the same time, when managing reverse logistics, they are not only confronted with a high degree of uncertainties concerning the quality, quantity and timing or the product returns, but also with a dynamically changing environment. Various aspects, such the increasing amount of return flows, shorter repair and lead times as well as increasing disposal costs, affect the reverse logistic system and need to be managed proficiently. Additionally, handling product returns requires supportive computer aided modelling tools that are capable of handling the dynamic and complex characteristics of the reverse logistic system and allow an improved estimation of the impact of a changing environment and management decisions. For the purpose of this study, the system dynamics modelling approach has been identified as particularly suitable for illustrating the system in question with a special focus on understanding the dynamic behaviour over time. A generic system dynamics model has been exemplarily created and simulated using the program iThink. The model comprises end-to-end processes of the main reverse logistic activities related to customer returns and has been used for studying the strategic design and optimization of the reverse logistic system. In order to consider relevant uncertainties as well as environmental concerns and economic efficiency, representative policies have been applied where, inter alia, with the help of the graphical illustration of the processes, effective strategies could be implemented. A general evaluation of the system dynamics methodology has revealed the significant advantages of using supportive modelling techniques for strategic decision making. Particularly for complex systems that change over time, such as reverse logistics, applying appropriate computer aided modelling tools in order to anticipate the overall effect on processes caused by varying surroundings has proven essential. An effective utilization of system dynamics may significantly reduce the forecasting and planning risks within individual frameworks, such as capacity planning. Moreover, the generic approach allows the application of the model to any other industry that is characterized by uncertain capacity utilization and varying technical, economical and legal conditions.

Africa is fast becoming an investment destination for firms operating outside the continent, and effective management is central to the realization of organizational goals. This volume evaluates the need for management philosophies and theories that reflect the peculiarities of the African continent.

The 21st century has brought about many changes in the economic realm due to acceleration of globalization. The

competitive landscape in numerous areas must always be reinvented to account for these changes, therefore making different marketing efforts a requirement for long-term success. The Handbook of Research on Effective Marketing in Contemporary Globalism provides readers with an understanding of the importance of marketing products and services across different cultures and languages in an era of high global competition. Intensified globalization, shifting demographics, and rapid innovations in technology and productivity solidify this publication's importance to scholar-practitioners, business executives, and undergraduate/graduate students.

Medicines are vital in improving patient health outcomes and pharmaceutical policy is a fundamental component of any health system. However, the global pharmaceutical policy is ever-evolving and data and quality 'research-based information' in this field are scarce. This book fills this gap and provides up-to-date empirical information and evidence-based synthesis. It focuses on pertinent key issues in global pharmaceutical policy including medicines safety, generic medicines, pharmaceutical supply chain, medicines financing, access and affordability of medicines, rational use of medicines, pharmacy health services research and access to vaccines and biological products. Featuring policy case studies from varied countries such as Mexico, Russia, China, Kyrgyzstan, and Pakistan, this book comprises a valuable and comprehensive resource for students, funders, policymakers, academics, and researchers interested in this field. With new technologies constantly being created, implemented, and sold, it is a robust opportunity for companies to hop on board with the latest digital trends. With the business world undergoing rapid changes and advancements in current times, the transformation process has been rapid and the disruptions significant. This has created a culture of innovation and a plethora of available business opportunities, especially when focused on Central Asia, Southeast Asia, and East Asia. Along with these innovative technologies and new opportunities in the business world comes challenges and trends within the Asian region that require more attention and advanced research to fully understand this digital transformation era and the resulting impacts, challenges, and solutions. The Handbook of Research on Disruptive Innovation and Digital Transformation in Asia addresses key topics for understanding business opportunities in Asia, covering a variety of challenges and nations in the Asian region from technological disruption and innovation to connectivity and economic corridors in Asia, Islamic finance and tourism, and more. Due to its innovative topics and approaches, geographical focus, and methodologies, the chapters provide readers with a unique value in bringing new perspectives to understanding emerging businesses and challenges in Asia. This book is ideal for professors in academia, deans, students, politicians, policymakers, corporate heads of firms, senior general managers, managing directors, information technology directors and managers, and researchers.

The publication contains a selection of the best double-blind reviewed papers presented, discussed and revised by

participants of the 1st International Conference on Value Chain Management in Austria, Steyr, May 2011. The Value Chain Management (VCM) Conference presents scientific insights relevant to management as well as their translation into the practice of management. The conference focus is on the demand chain i.e. sales, production, purchasing, logistics, performance measurement and customer value management. The authors present analytical and conceptual articles as well as empirical studies showing multidisciplinary and intercultural approaches towards solving relevant open problems.

Various industries in modern society can contribute to many different sustainable development initiatives. By implementing better processes for resource usage and its impacts, businesses can play a vital role in creating a cleaner environment. Ethics and Sustainability in Global Supply Chain Management is a comprehensive reference source for the latest scholarly material on organizational procedures and methods that ensure environmental sustainability, while maintaining effective production processes. Highlighting the most innovative topics and perspectives, such as life cycle costing, waste management, and business leadership, this book is ideally designed for professionals, academics, practitioners, graduate students, and researchers interested in developing green supply chain processes.

This book approaches its subject matter by promoting concepts, methods and solutions for the digital transformation of manufacturing through service orientation in holonic and agent-based control with distributed intelligence. The scientific theme of the book concerns "Manufacturing as a Service", developed by virtualizing and encapsulating manufacturing resources, activities and controls into cloud networked services in an open perspective that spans models from shop floor resource allocation to enterprise infrastructure sharing. The papers included in the application space have a profound human dedication and aim at solving societal needs serving the partnership of the future--people and industry in the era of Society 5.0. The book's readership includes researchers and engineers working in manufacturing, supply chains and logistics areas who innovate, develop and use digital control solutions and students enrolled in Engineering and Service Science programs.

This book covers topics such as digitalization of production, operations, logistics and supply chains leading to new requirements for human capabilities and collaboration. The content is relevant for research as well as industry as digitalization is shaping all value chain processes anew. A special focus is directed towards an interdisciplinary perspective, including management science, economics, sociology, work science, computer science and psychology. In order to foster the dialogue between business practice and academics as well as university teaching and research, this contributed book is addressing academic as well as professional business views on digitalization.

Features emerging trends that are shaping supply chain operations worldwide as well as impacting the global business

landscape Beginning with the assertion that supply chains are an overlooked factor behind anemic economic growth, *Protean Supply Chains: Ten Dynamics of Supply and Demand Alignment* provides a comprehensive overview of the developments occurring in the field of supply chain management. A broad range of topics in facility location, inventory, strategic sourcing, and supply chain coordination are addressed in addition to coverage of major developments within the field. The author's main position is that supply chains must be more than agile or flexible; rather, they must become protean and capable of changing shape in response to a volatile global business landscape. The author, a well-known editor and researcher in the field, presents current real-world examples combined with insights into the impact of recent trends that are expected to affect the global business landscape over the next decade. Highlighting companies with leading-edge supply chains as examples, the book discusses methods to reduce spending, increase revenues, and achieve streamlined productivity in a changing economic climate. The book utilizes further examples from the growth of online retailing and automation in distribution centers, as well as the use of protean supply chains to gain competitive advantages internationally. In addition, the book features the following ten emerging trends, which are shaping supply chain operations worldwide: The rise of regional theaters of supply Global risk management through control towers Customer segmentation Real demand realization Demand swing alignment with production and distribution Omnichannel retailing challenges Customer of one service Sustainability challenges Collaboration vs. competition in the new economy Financial dynamism The book is an ideal reference for professionals and practitioners in operations research, business/management science, applied mathematics, and industrial engineering as well as an appropriate supplement for undergraduate and graduate-level courses in supply chain management.

This volume of three books presents recent advances in modelling, planning and evaluating city logistics for sustainable and liveable cities based on the application of ICT (Information and Communication Technology) and ITS (Intelligent Transport Systems). It highlights modelling the behaviour of stakeholders who are involved in city logistics as well as planning and managing policy measures of city logistics including cooperative freight transport systems in public-private partnerships. Case studies of implementing and evaluating city logistics measures in terms of economic, social and environmental benefits from major cities around the world are also given.

This open access book explores supply chains strategies to help companies face challenges such as societal emergency, digitalization, climate changes and scarcity of resources. The book identifies industrial scenarios for the next decade based on the analysis of trends at social, economic, environmental technological and political level, and examines how they may impact on supply chain processes and how to design next generation supply chains to answer these challenges. By mapping enabling technologies for supply chain innovation, the book proposes a roadmap for the

full implementation of the supply chain strategies based on the integration of production and logistics processes. Case studies from process industry, discrete manufacturing, distribution and logistics, as well as ICT providers are provided, and policy recommendations are put forward to support companies in this transformative process.

In recent decades, the rapid expansion of trade and investment among developing countries has resulted in a scenario wherein firms from developing countries account for an increasing share of capital, goods, and wealth in the global economy. Industry leaders from developing countries have observed that firms in developing countries need to identify and develop key supply chain capabilities in order to succeed in emerging markets. It is argued that customers in emerging markets are likely to have different needs and supply chain expectations as compared to customers in developed economies. Reaching into these emerging markets, understanding the customer diversity, and translating it into effective segmentation schemes are critical for the efficient design of supply chain operations. Leadership Strategies for Global Supply Chain Management in Emerging Markets is a pivotal reference source that provides vital research on creating efficient supply chain operations in emerging markets. While highlighting topics such as consumer behavior, global operations, and information transparency, this publication investigates the needs of consumers in emerging markets as well as the methods of designing effective operations. This book is ideally designed for supply chain managers, logistics managers, operations and warehousing professionals, industry practitioners, academicians, students, and researchers.

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