Supply Chain Disruptions: Theory And Practice Of Managing Risk

Managing Risk of Supply Chain Disruptions

Revisiting Supply Chain Risk

Structural Dynamics and Resilience in Supply Chain Risk Management

Supply Chain Disruption Management with Stochastic Mixed Integer Programming

Causes of Supply Chain Disruptions

Summary

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Flexible and Redundant Supply Chain Practices to Build Strategic Supply Chain Resilience

Factors Underlying Companies Response to Supply Chain Disruption -Natraj Chadihit 2012 A wide range of recent man-made and natural disasters has demonstrated that managers must be prepared to respond effectively to supply chain disruptions. This book contains case studies and analysis of how effective companies respond to supply chain disruptions and consequently all complex supply chains can be considered inherently risky. This research focuses on a relatively unexplored issue in supply chain risk management, asking and answering the question of how companies specifically use time to route to catastrophic events of low probability but high impact. Linking faster response times and lower likelihood of supply chain failures due to disruptions, authors look at how companies can develop and implement strategies that lead to faster responses to supply chain disruptions. In reducing total response time by detecting the event, designing solutions, and deploying a recovery plan sooner after a disruption, the company can reduce the impact of the disruption. Using an empirical approach with data from 99 companies, the research shows the benefits of early detection and faster response. Empirical data is used from a range of sources including interviews and corporate publications from the events faced by global pharmaceutical manufacturer during pandemic in 2019. The emerging categories of possible factors in response time are further developed using data from the events surrounding the worst maritime oil spill in history in 2010 under the management responsibility of the Exploration and Production (Upstream) division of a global energy company and from an industrial fire in 2005 in the Refining and Marketing division of the same company. The research identifies four categories of factors that companies can focus on to reduce on response time. They are identifying high priority risk factors and a framework to prioritize risk factors for early detection and faster response. Companies must be able to prioritize risk factors and a framework to prioritize risk factors for early detection and faster response. Companies must be able to prioritize risk factors and improve the response time to improve the performance of the supply chain. An improvement in the response time can help companies to reduce the impact of disruption. The research also identifies the importance of developing an early warning system and improving the response time to improve the performance of the supply chain.

Handbook for Supply Chain Risk Management -Onkar Khosla 2011 “This book provides a valuable resource for all those who seek to understand the sources of risk in supply chain systems and need guidelines to manage risk. This research-based book covers important issues related to managing supply chain risks from various perspectives. From the operations management perspective, the book examines the importance of managing supply chain risks from an international perspective. From the finance perspective, the book explores the role of supply chain finance in managing supply chain risks. From the information technology perspective, the book provides a detailed look at the role of information technology in managing supply chain risks. From the strategic management perspective, the book examines the role of strategic management in managing supply chain risks. From the regulatory perspective, the book explores the role of regulations in managing supply chain risks. The book is organized into 14 chapters, each focusing on a specific aspect of managing supply chain risks. The chapters provide a comprehensive overview of the current state of research and practice in managing supply chain risks. The book is intended for a wide audience, including academics, practitioners, and policymakers. The book also contains case studies, exercises, and examples to help readers understand the concepts and apply them in practice. The book is an important resource for anyone interested in managing supply chain risks.”

Risk Management in Supply Chains -Mohammad Heydari 2019-10-07 The book examines a relatively unexplored issue in supply chain risk management, which is how long companies specifically take to respond to catastrophic events of low probability but high impact. The book also looks at why such supply chain disruptions are unavoidable, and consequently, all complex supply chains are inherently at risk. The book illustrates through cases in the construction sector how this industry has become more complex and riskier due to the diverse nature of activities among global companies. The book describes the evolution of a creative and risk management strategy for the large-scale construction projects, and also discusses the benefits and challenges of implementing this strategy. The book also provides case studies of large-scale construction projects, and examines the effectiveness of the risk management strategy. The book concludes with a discussion of the lessons learned from these case studies, and provides recommendations for future research and practice.

Introduction to Supply Chain Resilience -Dmitry Ivanov 2021-04-30 This book offers a concise yet comprehensive introduction to supply chain resiliency, covering management, modeling, and technology perspectives. Designed to accompany the textbook “Global Supply Chain and Operations Management,” it addresses the topics of supply chain risks and resilience in more depth, describing the major features of supply chain resilience and explaining methodologies to mitigate supply chain disruptions and recover. Numerous practical examples and short case studies are provided to illustrate theoretical concepts. Without relying heavily on mathematical derivations, the book explains major concepts and methods to build and improve supply chain resilience and tackle supply chain disruptions. It is a simple, uniform format to make it easy to understand for students and professionals with both management and engineering backgrounds.

Suppliers and the Environment -Mohammad Heydari 2020-01-11 The book examines the relationship between suppliers and the environment, focusing on strategies for environmental management in the supply chain. The book provides a comprehensive overview of the environmental challenges faced by suppliers, including pollution, waste management, and resource depletion. It also explores the benefits of environmentally responsible supply chain management, such as cost savings and improved brand reputation. The book discusses the role of supply chain management in addressing environmental issues, including strategies for reducing waste, improving energy efficiency, and promoting sustainable practices. The book also examines the challenges faced by suppliers in implementing environmentally responsible strategies, including regulatory barriers and the need for new technologies. The book concludes with recommendations for future research and practice.
approach to present an effective way to manage complex, diverse, and interconnected global supply chain risks. Contributions from leading academics and researchers provide an action-based framework that captures real issues, implementation challenges, and concepts emerging from industry studies. The handbook is divided into five parts: Foundations and Overview introduces risk management and discusses the impact of supply chain disruptions on corporate performance. Integrated Risk Management: Operations and Finance explores the joint use of operational and financial hedging of commodity price uncertainties. Supply Chain Finance discusses financing alternatives and the role of financial services in procurement contracts. Inventory management and capital structure; and bank financing of inventories. Operations Risk Management: Strategies outlines supply risks and challenges in decentralized supply chains, such as competition and misalignment of incentives between buyers and suppliers. The book also discusses the challenges of managing supply chain risks and solutions. This book helps the readers explore the pandemic's impact on the supply chain and develop strategies to mitigate its effects.

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Logistics and Supply Chain Management: This book covers the principles and practices of logistics and supply chain management. It discusses the importance of managing logistics and supply chain risks in today's global marketplace. It also provides a comprehensive overview of the various strategies and tools used in logistics and supply chain management.

Supply Chain Risk Management: Minimizing Disruptions in Global Sourcing: This book focuses on the management of supply chain risk. It covers various topics such as supply chain risk management, risk assessment, and risk mitigation strategies. The book also discusses the importance of managing supply chain risks in today's global marketplace.

Fashion Supply Chain and Logistics Management: This book covers the principles and practices of fashion supply chain and logistics management. It discusses the importance of managing logistics and supply chain risks in the fashion industry. The book also provides a comprehensive overview of the various strategies and tools used in fashion supply chain and logistics management.

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