

Optimizing Supply Chain Resilience: Strategies for Mitigating Disruptions in Global Management Practices

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Abstract. In an era marked by unprecedented global challenges, supply chain resilience has emerged as a pivotal focus within management science. This study employs a mixed-methods approach, integrating quantitative data analysis and qualitative case studies, to identify key strategies that organizations can implement to enhance their supply chain robustness. By examining various industries, we uncover critical factors that contribute to effective disruption management, including adaptive capacity, stakeholder collaboration, and technological integration. The findings reveal that organizations that proactively invest in resilience-building strategies significantly outperform their competitors during crises. This research contributes to the theoretical framework of supply chain resilience and offers practical recommendations for managers seeking to safeguard their operations against future disruptions.

Keywords: Supply Chain Resilience, Management Science, Disruption Mitigation, Global Business Strategy, Adaptive Capacity, Stakeholder Collaboration, Technological Integration

Introduction

The contemporary landscape of global business is characterized by an increasing frequency of disruptions, from natural disasters to geopolitical tensions, that challenge the efficacy of traditional supply chain management practices. As we approach the period of 2024-2026, organizations face mounting pressures to not only optimize their supply chains but also to ensure their resilience against unexpected shocks. The profound impact of these disruptions, as evidenced by recent global events, underscores the necessity for a paradigm shift towards more robust management strategies that prioritize adaptability and agility. Resilience in supply chains is not merely a reactive measure; it is a proactive strategy that demands the alignment of people, processes, and technologies. This paper aims to explore

the multifaceted dimensions of supply chain resilience, providing a comprehensive analysis of strategic interventions that organizations can adopt to mitigate risks and enhance operational continuity. The discussion will be structured around the identification of core resilience attributes, followed by an exploration of empirical case studies demonstrating successful implementation of these strategies in various sectors. Additionally, we will analyze the role of technological advancements and stakeholder engagement in fostering resilience. Ultimately, this paper seeks to offer actionable insights for management practitioners, equipping them with the tools necessary to navigate the complexities of modern supply chains effectively.

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References

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