International Journal of Business and Technology Management
e-ISSN: 2682-7646 | Vol. 5, No. 3,684-691, 2023
http://myjms.mohe.gov.my/index.php/ijbtm

The Influence of Supply Chain Financing on Enterprise Operation Efficiency and Competitiveness

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Received: 20 August 2023 | Accepted: 15 October 2023 | Published: 31 October 2023

DOI: https://doi.org/10.55057/ijbtm.2023.5.3.59

Abstract: *Supply chain financing has become a vital tool for businesses to enhance their operational efficiency and competitiveness in today's dynamic market environment. This research aims to explore the impact of supply chain financing on business efficiency and competitiveness. The study examines how supply chain financing can improve cash flow management, optimize inventory management, and foster collaboration among supply chain partners. By providing timely access to working capital, supply chain financing helps businesses optimize their cash flow, reduce receivables collection time, and minimize the need for costly short-term borrowing. This enhances financial stability and enables companies to meet their financial obligations promptly. Furthermore, supply chain financing offers flexible financing options, such as inventory financing and vendor-managed inventory programs, which enable companies to optimize inventory levels, reduce stockouts, and lower holding costs. This allows businesses to respond quickly to market demands, reduce lead times, and improve overall supply chain efficiency.In addition, supply chain financing platforms facilitate the sharing of financial information and streamline payment processes, enhancing transparency and trust among supply chain partners. This fosters better coordination of production and delivery schedules, reduces supply chain disruptions, and enhances the overall reliability and efficiency of the supply chain.The research methodology includes a comprehensive review of existing literature, case studies, and interviews with industry experts to gather empirical evidence on the impact of supply chain financing on business efficiency and competitiveness. The findings of this research will contribute to a better understanding of the benefits and challenges of supply chain financing and provide insights for businesses seeking to enhance their operational efficiency and competitiveness. Overall, the research highlights the significant role of supply chain financing in improving business efficiency and competitiveness. By leveraging supply chain financing, companies can optimize cash flow, streamline inventory management, and foster collaboration among supply chain partners. This, in turn, enables businesses to respond effectively to market dynamics, gain a competitive edge, and achieve sustainable growth in today's rapidly changing business landscape.*

Keywords: supply chain financing, enterprise operation, efficiency and competitiveness

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1. Introduction

Supply chain financing has emerged as a vital financial tool for businesses in today's globalized and interconnected world. With the increasing complexity and competitiveness of supply chains, companies are seeking innovative ways to optimize their operations and enhance their efficiency. Supply chain financing, which involves the provision of funding and financial services to various stakeholders along the supply chain, has gained significant attention due to its potential to improve business efficiency and competitiveness.

The concept of supply chain financing can be traced back to traditional trade finance and supply chain finance practices. However, with the advent of digital technologies and the internet, supply chain financing has witnessed significant advancements and transformations. It has evolved into a more sophisticated and integrated approach, leveraging technology platforms and financial institutions to facilitate seamless and efficient financial transactions across the supply chain.

Supply chain financing plays a crucial role in enhancing business efficiency and competitiveness by addressing key financial challenges faced by companies. One of the primary benefits of supply chain financing is its ability to improve cash flow management. By providing timely access to working capital, supply chain financing enables companies to optimize their cash flow, reduce the time required to collect receivables, and minimize the need for costly short-term borrowing. This, in turn, enhances the financial stability of businesses and enables them to meet their financial obligations promptly.

Moreover, supply chain financing helps companies streamline their inventory management processes. By offering flexible financing options, such as inventory financing and vendor-managed inventory programs, companies can optimize their inventory levels, reduce stockouts, and minimize holding costs. This enables businesses to respond swiftly to market demands, reduce lead times, and improve overall supply chain efficiency.

Furthermore, supply chain financing fosters collaboration and coordination among supply chain partners. By facilitating the sharing of financial information and streamlining payment processes, supply chain financing platforms enhance transparency and trust among stakeholders. This enables better coordination of production and delivery schedules, reduces supply chain disruptions, and enhances the overall reliability and efficiency of the supply chain.

In conclusion, supply chain financing plays a pivotal role in improving business efficiency and competitiveness. It enables companies to optimize cash flow, streamline inventory management, and foster collaboration among supply chain partners. As businesses face increasing pressure to enhance operational efficiency and respond to market dynamics, supply chain financing offers a strategic financial solution to address these challenges. By leveraging supply chain financing, companies can achieve sustainable growth, gain a competitive edge, and thrive in today's dynamic business environment.

2. Literature Review

Supply chain financing has a significant impact on the operational efficiency of enterprises. For example, Yan Junhong et al. (2007) believe that supply chain finance transforms risk management from the individual enterprise level to the entire supply chain level, which can significantly reduce the underinvestment and overinvestment of production and financing enterprises.

In addition, Wang Ningning's (2019) research shows that appropriate concentration of customers in the supply chain helps reduce ineffective investments and improve the investment efficiency of small and medium-sized enterprises. Zhou Xiaolin (2020) found that supply chain finance can enhance the investment efficiency of small and medium-sized enterprises, and

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information asymmetry plays a moderating role between the two. Zhang Yilan's (2021) study found that the increase in customer concentration in the supply chain can directly affect overinvestment and indirectly reduce underinvestment in enterprises by suppressing financing constraints.

More studies by scholars have shown that supply chain financing has a multifaceted impact on the operational efficiency of enterprises. For example, Li Yiyi et al. (2019) believe that supply chain finance can improve the investment efficiency of enterprises by reducing financing costs and alleviating financing constraints.

In addition, the research by Wang Di et al. (2019) shows that supply chain finance can reduce the degree of financing constraints for enterprises and improve their investment efficiency. Moreover, as the concentration of customers in the supply chain increases, this impact becomes more significant.

Furthermore, the research by Zhao Yajuan et al. (2020) also indicates that supply chain finance can reduce the degree of information asymmetry for enterprises and improve their investment efficiency. Similarly, as the concentration of customers in the supply chain increases, this impact becomes more significant.

3. The Impact of Supply Chain Financing on Enterprise Operation Efficiency

3.1 Increase the Capital Turnover Rate

Supply chain financing is a financial tool. Through cooperation with supply chain partners, we can optimize the capital flow and utilization efficiency, so as to shorten the capital turnover cycle of enterprises. Supply chain financing achieves this goal through advance financing, accounts receivable financing, inventory financing, and supply chain synergy. First, through advance financing, enterprises can obtain funds in advance and reduce the waiting time for funds. Accounts receivable financing can sell future accounts receivable to financial institutions to obtain immediate funds and shorten the accounts receivable cycle. Li and Li (2019) found that supply chain financing can help enterprises to shorten the capital turnover cycle, improve the cash flow, and have a positive impact on the financial performance of enterprises. Secondly, the use of inventory financing, through the inventory as collateral, to obtain capital loans or credit lines, to reduce the funds occupied by inventory, and improve the efficiency of capital turnover. Smith (2020) believes that inventory financing can reduce the financial cost of enterprises and improve the efficiency of the use of funds. In addition, he pointed out that the financing method also reduce inventory holding costs, further reducing the turnover days of companies. Johnson (2021) points out in his research that inventory financing can provide more funding options for businesses. For instance, businesses can choose to use inventory as collateral to obtain loans from banks or financial institutions. Finally, strengthen supply chain coordination, share information and resources with suppliers, logistics companies and distributors and other partners, optimize capital flow, and reduce capital accumulation and idle. To sum up, supply chain financing can help enterprises to shorten the capital turnover cycle and improve the efficiency of capital utilization through a variety of ways.

3.2 Optimize Inventory Management

Supply chain financing can help companies reduce inventory overstock by optimizing purchasing plans and strengthening inventory management. By ensuring that the procurement plan matches the market demand, avoiding excessive procurement and excessive inventory, and establishing a scientific inventory management system, and realizing the fine management of inventory, it can effectively reduce the inventory backlog of enterprises. These measures can improve the efficiency of inventory turnover, reduce the inventory cost, so as to improve the efficiency of capital use and profitability of enterprises.

3.3 Strengthen Supply Chain Coordination

Supply chain financing can enhance the stability and flexibility of the supply chain by promoting cooperation and communication between suppliers and customers. To achieve this goal, supply chain partners need to establish open communication channels, strengthen information sharing, and develop communication plans, and clarify the frequency and mode of communication. Only in this way, can we better coordinate and cooperate, and improve the synergistic effect and performance level of the supply chain. On the other hand, supply chain financing can enhance the flexibility and responsiveness of the supply chain through a series of measures. These measures include establishing a digital supply chain system, optimizing inventory management, implementing collaborative inventory management, strengthening information sharing and communication, adopting flexible production technologies, and optimizing transportation methods. By leveraging digital technologies, manual intervention and information asymmetry can be eliminated, thereby improving the speed and accuracy of the supply chain's response. Simultaneously, optimizing inventory and production planning can enable pre-production and pre-determined supply plans, reducing inventory waste and production disruptions, and enhancing the speed and flexibility of the supply chain's response. Implementing collaborative inventory management can centralize the management of inventory from multiple companies, enabling inventory sharing and scheduling, further enhancing the speed and flexibility of the supply chain. Strengthening information sharing and communication allows for real-time interaction and collaboration, thereby improving the speed and flexibility of the supply chain's response. Adopting flexible production technologies enables the adjustment of production and supply plans in response to market demand fluctuations, further enhancing the supply chain's speed and adaptability.

Finally, by optimizing transportation methods and routes, the most optimal transportation mode and route can be selected, reducing transportation time and costs, and improving the supply chain's speed and efficiency.

4. The Impact of Supply Chain Financing on Enterprise Competitiveness

4.1 Improve Supply Chain Visibility and Transparency

The visibility and transparency of the supply chain are crucial for the successful operation of a business. Companies need to monitor every aspect of the supply chain in real-time, including procurement, production, inventory, and sales, to avoid resource waste and decision-making errors. Supply chain financing plays an important role in enhancing supply chain visibility and transparency.

Firstly, supply chain financing can help companies monitor every aspect of the supply chain in real-time. By collaborating with financial institutions, logistics service providers, and others, supply chain financing can provide real-time monitoring and data analysis services to companies, helping them stay updated on the status of every aspect of the supply chain, identify potential issues, and take effective measures. Johnson and Kang (2018) argue that supply chain financing can enhance supply chain visibility and transparency, helping companies better manage risks and optimize decision-making. By monitoring every aspect of the supply chain in real-time, companies can have a better grasp of resource conditions and market dynamics, thereby improving supply chain efficiency and competitiveness.

Secondly, supply chain financing can improve a company's sensitivity to market demand. By providing financial support and credit guarantees, supply chain financing can help companies adjust production and supply plans more flexibly and respond promptly to changes in market demand. Wang and Chen (2019) point out that supply chain financing can improve a company's sensitivity to market demand. By collaborating with financial institutions, companies can obtain more market information and data, better grasp the changing trends in market demand, and adjust production and supply plans accordingly, thereby enhancing supply chain flexibility and responsiveness.

4.2 Promote Product Innovation and Market Expansion

Supply chain financing provides a new source of capital for enterprises, so that enterprises can invest more funds into product innovation. Coughlan and Levans believe that supply chain financing can provide more financial support for enterprises by improving the cash flow of enterprises and reducing financial costs. In addition, Maier and Stefan point out that supply chain financing can help companies improve their capital structure, improve their solvency and liquidity, and thus enhance their ability to invest. This financial support is crucial for product innovation, as new product development requires a large amount of financial investment, and supply chain financing can provide this funding to enterprises to drive product innovation. Supply chain financing not only provides financial support for enterprises, but also helps enterprises to expand new markets and customer groups. Kim and Lee point out that supply chain financing can provide more market opportunities for enterprises by improving the transparency and stability of supply chains and enhancing the cooperation between enterprises and supply chain partners. In addition, Sissolak points out that supply chain financing can help enterprises get more orders and customers, because it can improve the credibility and financial strength of enterprises, thus enhancing their market competitiveness. Through supply chain financing, enterprises can better understand the potential markets and customers in the supply chain and use this information to develop new markets and customer groups.

4.3 Enhance Our Enterprise Risk Management Capabilities

Supply chain financing can reduce supply chain risk by improving its stability and transparency. Scholar Babich (2016) proposed that supply chain financing can not only provide more financial support for enterprises, but also reduce supply chain risks by strengthening supply chain cooperation, reducing information asymmetry and reducing transaction costs, so as to reduce supply chain risks. In addition, scholars Pfohl and Gomm (2013) believe that supply chain financing can improve the cash flow and operating conditions in the supply chain, reduce the financial risks and uncertainties, and thus reduce the risks in the supply chain. Supply chain financing can provide more capital liquidity for enterprises, enabling enterprises to better cope with market fluctuations and uncertainties. Scholar Mcmillan (2017) pointed out that supply chain financing can reduce the financial cost and improve the ability to resist risks by optimizing the capital allocation of enterprises. In addition, the research of scholars Chang and Chen (2018) also shows that supply chain financing can help enterprises establish closer supply chain cooperation relationship, improve production efficiency and product quality, and enhance the market competitiveness of enterprises, so as to better cope with market fluctuations and uncertainties. To sum up, supply chain financing can not only provide more financial support for enterprises, reduce supply chain risks, but also improve the ability of enterprises to cope with market fluctuations and uncertainties. Therefore, enterprises should strengthen the attention to and application of supply chain financing to promote the sustainable development of enterprises.

5. Conclusion

5.1 Summarize

Supply chain financing is an innovative way of enterprise financing. By providing financing and support for all parties in the enterprise supply chain, it actively promotes the operating efficiency and competitiveness of enterprises. First of all, supply chain financing can improve the operating efficiency of enterprises. Through supply chain financing, enterprises can obtain more stable and flexible financial support, reduce financial costs, and improve the efficiency of capital use. In addition, supply chain financing can also reduce the transaction cost and inventory cost by optimizing the supply chain management of enterprises, shorten the procurement and delivery cycle, and improve the production and operation efficiency of enterprises. Secondly, supply chain financing can enhance the market competitiveness of enterprises. Through supply chain financing, enterprises can establish closer cooperative relations with supply chain partners to jointly develop the market and improve the market competitiveness. In addition, supply chain financing can also help enterprises to obtain more orders and customers, improve the market share, and enhance the market competitiveness of enterprises. At the same time, supply chain financing can also provide more financial support for enterprises, so that enterprises can invest more funds into product innovation and technological progress and improve the competitiveness of enterprises. In addition, the supply chain financing can promote the product innovation and technological progress of enterprises. Through supply chain financing, enterprises can obtain more financial support, invest more funds into product research and development, promote product innovation and technological progress, and improve the competitiveness of enterprises. Finally, supply chain financing can expand the market and customer groups of enterprises. Through supply chain financing, enterprises can understand the potential markets and customers in the supply chain and use this information to develop new markets and customer groups, and expand the market share and customer base of enterprises.

To sum up, supply chain financing has positive effects on operational efficiency and competitiveness. It can help enterprises to improve operating efficiency, enhance market competitiveness, promote product innovation, expand the market and customer groups, and promote the long-term development of enterprises. Therefore, enterprises should pay attention to and apply supply chain financing to improve their own operating efficiency and competitiveness.

5.2 Looking Forward to the Development Prospects and Challenges in the Future

In recent years, supply chain financing has gradually become an important way of enterprise financing, which plays an important role in enhancing enterprise risk management and the ability to cope with market fluctuations. However, with the change of economic environment and the intensification of market competition, the development prospects and challenges of supply chain financing in the future are also increasingly emerging. The following are the views of some scholars and the development prospects and challenges of supply chain financing in the future.

First of all, the development prospects of supply chain financing are positive. With the rapid development of globalization and the Internet, the supply chain relationship between enterprises is more and more close, and the stability and transparency of the supply chain are crucial to the operation and development of enterprises. Therefore, supply chain financing, as an innovative enterprise financing method, will play a more important role in the future. For example, some scholars believe that the rise of blockchain technology can provide a more secure, transparent and efficient platform for supply chain financing, thus improving the stability of the supply chain and reducing transaction costs. In addition, with the popularization of the concept of green supply chain and sustainable development, supply chain financing can also provide financial support for the environmental protection and sustainable development of enterprises. However, supply chain financing also faces some challenges. First of all, with the rapid development of fintech, the competition among financial institutions is becoming more and more fierce, and the threshold of supply chain financing is getting higher and higher. Therefore, enterprises need to have a more stable supply chain and a more perfect credit system, in order to obtain the support of supply chain financing. Second, supply chain financing also needs to face some legal and regulatory challenges. For example, some regulatory policies and laws and regulations for supply chain financing in imperfect countries and regions, which will also bring certain risks and uncertainties to the development of supply chain financing. In addition, some scholars believe that supply chain financing also needs to strengthen risk management and risk control. For example, some scholars believe that supply chain financing needs to strengthen the management and control of credit risk, market risk, operational risk and other aspects, so as to improve the security and stability of supply chain financing. In addition, some scholars also believe that supply chain financing needs to strengthen the prevention and control of fraud risk and money laundering risk, so as to protect the interests of enterprises and investors.

To sum up, the development prospect of supply chain financing in the future is positive, but it also faces some challenges and risks. Therefore, enterprises need to strengthen the attention to and application of supply chain financing, and financial institutions also need to strengthen the risk management and risk control of supply chain financing, so as to promote the healthy development of supply chain financing. For example, financial institutions can strengthen the ability to assess corporate credit and risk control, and improve the security and stability of supply chain financing. In addition, financial institutions can also strengthen cooperation and communication with enterprises to improve the transparency and operability of supply chain financing.

In the future, with the continuous progress and innovation of science and technology, supply chain financing will continue to develop and improve. For example, the application of artificial intelligence, big data and other technologies can further improve the intelligence and precision of supply chain financing, so as to better meet the financing needs and risk management needs of enterprises. Therefore, enterprises should actively explore and apply the innovative way of supply chain financing, in order to improve their own operating efficiency and competitiveness, and to achieve sustainable development.

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