

The impact of accounting informatization on financial management of resource-based enterprises

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Abstract:

Accounting informatization is an integral part of corporate financial management, accurately recording and tracking the company's financial status. A financial management system based on accounting information can provide more reliable help in decision-making. Especially for resource-based companies. This paper takes China Nonferrous Metals Co., Ltd. as an example to explore the impact of accounting informatization on the financial management of resource-based enterprises, thereby providing effective financial management solutions and decision-making support for resource-based enterprises. It will also inject new blood into this field by analyzing the relationship between accounting informatization and financial management of resource-based enterprises and how it works. Finally, the article also puts forward effective suggestions on how to effectively deal with the problems existing in the operational level of accounting informatization, further improve the implementation efficiency of accounting informatization, and enrich the practical application content of accounting informatization.

KEYWORDS: Accounting Informatization, Financial Management, Resource-Based Enterprises, Decision-Making Support

I. Introduction

1.1 Research significance

It is of great research significance to study the impact of accounting informatization on the financial management of resource-based enterprises. Resource-based enterprises are an important part of the national economy, and their economic benefits have an important impact on the development of the entire country. Research on accounting informatization can help enterprises better respond to market changes and competitive challenges, improve their operational efficiency and financial decision-making capabilities, and promote the sustainable development of resource-based enterprises. Also, research on accounting informatization can provide enterprises with effective financial management plans and decision-making support, promote corporate compliance and integrity, and enhance corporate social responsibility and image. The results of research in these aspects can not only offer practical guidance and suggestions for the financial management of resource-based enterprises but also furnish strong reference and support for relevant policy formulation. This will not only aid in promoting the digital transformation and sustainable development of resource-based enterprises but also provide strategic support for the high-quality development of the Chinese economy.

1.2 Research content

The research content of this article includes: studying the implementation and existing problems of accounting informatization in resource-based enterprises; exploring how to use accounting informatization to improve the financial management level of resource-based enterprises and improving the accuracy and efficiency of financial management decisions; analyzing accounting informatization Challenges and countermeasures brought to financial management of resource-based enterprises.

2. Definition of the concept of accounting informatization

Accounting informatization manifests distinctive attributes, each contributing significantly to its transformative influence on financial processes. The first notable characteristic involves the automation and electronicization facilitated by sophisticated computer technology. This modality streamlines the processing of financial data, thereby diminishing reliance on manual operations and conventional paper documentation. Consequently, a consequential enhancement in work efficiency and precision ensues.

Additionally, the real-time functionality of information systems serves as a pivotal feature, affording timely access to financial data. This capability empowers management to make expeditious and well-informed decisions. The

integration dimension of accounting information systems warrants attention, as it adeptly manages a spectrum of financial and accounting tasks, including accounting, inventory management, purchasing, and sales. This cohesive integration, in turn, cultivates a systematic and streamlined approach to financial data management.

Another noteworthy facet is the meticulous traceability of data, wherein information systems meticulously track and record every financial transaction. This meticulous tracking not only augments audit traceability but also fortifies internal control mechanisms. The customization of reports, a salient attribute, endows users with the authority to tailor financial statements and analyses to cater to the specific requirements of distinct organizational levels and departments.

According to the scholarly perspective articulated by Peng Qiancheng (2020), accounting informatization epitomizes the application of advanced information technology to automate and digitize accounting processes. This strategic integration serves to enhance operational efficiency and instigate a paradigm shift towards more scientific decision-making. Functionalities such as the automated management of accounting books, electronic data exchange, and the generation of financial statements contribute not only to heightened operational efficiency and accuracy but also to a reduction in manual intervention and errors. This, in turn, elevates the safety and reliability of business processing.

Moreover, accounting informatization facilitates the digitization, categorization, statistical analysis of financial data, thus providing enterprises with timely and insightful perspectives on their financial status and operational conditions. This, consequently, serves as a foundational basis for judicious and well-informed business decisions. The holistic nature of accounting informatization is manifest in its pervasive application across varied domains. In the realm of accounting, it encompasses the electronic processing of original vouchers, automated accounting procedures, and sophisticated inquiries into vouchers and general ledgers. The overarching objective is the attainment of integration, unification, and standardization of financial data.

In the context of financial management, informatization extends its purview to encompass cost management, budgetary oversight, asset management, and cash management. The establishment of a robust financial management system engenders the integrated management of financial data, concomitant with the automation and standardization of processes, thus ensuring a comprehensive approach to management and control. Moreover, within the ambit of risk management, accounting informatization encompasses the establishment

of a systematic risk management framework, the implementation of a comprehensive internal control and quality management system, and the instigation of a robust risk monitoring and early warning mechanism. These strategic imperatives collectively serve to augment a company's compliance management and fortify its risk control capabilities through the astute utilization of information technology.

3. Company introduction

China Nonferrous Metals Co., Ltd. Is a resource-based enterprise whose main businesses are non-ferrous metal resource development, mining, smelting, processing and trade. In corporate management, China Nonferrous Metals Co., Ltd. Has realized practical applications with the help of accounting information technology. The following will take China Nonferrous Metals Co., Ltd. As an example to illustrate the practical application of accounting informatization in resource-based enterprises.

Since 2015, China Nonferrous Metals Co., Ltd. Has begun to use the SAP ERP system for accounting information management. Through this system, the enterprise has realized integrated management of finance, procurement, sales and other businesses, effectively promoted the enterprise's assets, finance, budget, settlement, report and other management work, and improved the accuracy and efficiency of enterprise decision-making. However, during the implementation process, some problems also emerged, such as insufficient personnel and incomplete data integration. These problems need to be further solved to improve the effectiveness of the accounting information system. The introduction of accounting information systems has made the financial management of enterprises more standardized and systematic. In China Nonferrous Metals Co., Ltd., the accounting information system is a means to make corporate financial management work more efficient. It can reduce the amount of manual labor and accuracy, greatly improve work efficiency and accuracy, and thereby improve the level of financial management.

China Nonferrous Metals Co., Ltd. Launched a digital financial system in 2016 to achieve comprehensive digital financial management. The system integrates data from various financial departments of the company, including financial statements, cost management, fund management, etc., improving the sharing and circulation of data. Through the digital financial system, China Nonferrous Metals Co., Ltd. Has achieved standardization and automation of financial management processes, improving the efficiency and accuracy of financial management. The system also provides a variety of financial analysis tools,

such as financial statement analysis, risk management, etc., to help corporate management grasp the company's financial operations in a timely manner and support decision-making [4]. China Nonferrous Metals Co., Ltd. Has also launched a digital procurement system to realize the digitization and systematization of procurement management. The system integrates the purchasing needs of various departments of the company. This system has significantly improved the efficiency of project management, enriched the project management model, and also accumulated a large amount of experience and resources in project management. The establishment of China Nonferrous Metals Co., Ltd.'s project management information system has greatly improved the remote tracking of engineering projects, human resource allocation and project execution control. In addition, it

helps reduce risks during multi-project execution, makes up for management deficiencies, and meets the needs of different management levels for project information and management requirements. The establishment of this system also realizes the standardization, standardization and informatization of project management.

In addition, according to the 2022 semi-annual report of China Non-ferrous Metals Construction Co., LTD, the project management information system organically combines the operation management methods, models and characteristics of the engineering project, and unifies, solidifies and applies them practically through the information system. This enables us to implement full life cycle management on projects in different regions and countries, achieving comprehensive, collaborative, scientific and international project management.

Table1: Expenses of China Nonferrous Metals Construction Co., LTD

	2022	2021	ear-on-year increase or decrease	Material change statement
selling expenses	49,777,628.75	42,452,323.06	17.26%	No major changes
administration expense	628,770,720.81	778,562,019.73	-19.24%	No major changes.
Financial cost	2,069,216.15	-232,207,929.31	100.89%	Mainly due to the parent company's exchange income decreased from the same period last year.
R&D	24,777,300.17	9,706,268.63	155.27%	The main department's subsidiary company Zhongshi white mine research and development expenditure increased from the same period last year.

The above events show that the practical application of accounting informatization in resource-based enterprises can help enterprises realize digital financial management and digital procurement management, improve the

efficiency and accuracy of financial management and procurement management, reduce management costs, and promote the financial management of resource-based enterprise's efficiency.

Table2: Assets of China Nonferrous Metals Construction Co., LTD

	2022	2021	This year is an increase or decrease over last year	2020
Operating income (rmb)	7,372,408,654.08	6,532,556,475.01	12.86%	6,785,792,161.28
	2022 year end	2021 year end	The end of this year is more or less than the end of last year	2020 year end

Total assets (rmb)	20,050,396,487.83	18,993,212,910.28	5.57%	22,096,234,431.71
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4. Challenges of accounting digitalization

In the process of accounting information application of China Nonferrous Metals Co., Ltd., some problems will be encountered. The technology selection of accounting information systems may not meet the actual needs and scale of the company. Choosing the wrong technology platform may cause the system to run slowly, be prone to failure, or be incompatible with other systems, affecting daily work efficiency. There may be issues with data quality, such as data entry errors, redundant data, inaccurate data, etc. This can lead to reporting errors, poor decision-making, and reduced trust in the system. Sometimes companies may rely too heavily on customized functionality, which can lead to increased system complexity, maintenance difficulties, and problems with upgrades and expansions. Customized functionality should be carefully evaluated based on actual needs and ensured to be balanced with system stability and maintenance. Accounting information systems may lack powerful data analysis and reporting functions, which may limit in-depth analysis of financial data and decision support. Companies should consider introducing appropriate data analysis tools or enhancing the analytical capabilities of existing systems.

In addition, company employees may lack training and support for accounting information systems. Lack of skills and knowledge in system operation may lead to difficulty in use and affect work efficiency and accuracy. If the security of the system is insufficient, it may result in data leakage or access by unauthorized persons, which may cause significant risks to the company's finances and business. There may be problems with the integration and interoperability of accounting information systems with other systems. If the system does not integrate well with other critical systems or third-party applications, it can lead to data inconsistencies, process disruptions, or information silos. There may be difficulties in maintaining and upgrading accounting information systems. Lack of timely system maintenance and upgrades may lead to system performance degradation, security vulnerability exposure and functional limitations, affecting daily business operations. The implementation and operation costs of accounting information systems may exceed expectations, and the expected benefits may not be realized. Companies should conduct a thorough evaluation of the system's costs and benefits and ensure that the

return on investment is in line with expectations.

Regarding these issues, China Nonferrous Metals Co., Ltd. Should conduct a comprehensive demand analysis to ensure that an appropriate accounting information system is selected and matches the company's actual needs. Strengthen data management, including data quality control, data cleaning and data verification, to ensure the accuracy and completeness of accounting data. Provide employee training and support to ensure employees master the operating skills of accounting information systems and provide ongoing technical support. Not only that, in daily operations, we also need to pay attention to strengthening information security control and take necessary security measures, including access control, data encryption and vulnerability patching, to protect the security and privacy of accounting information. This ensures good integration and interoperability between the accounting information system and other systems to ensure data consistency and smooth operation of the process. Regular system maintenance and upgrades are carried out to maintain system stability and performance, and security vulnerabilities and functional issues are promptly repaired. Only in this way can China Co., Ltd. Improve the efficiency, reliability and security of its accounting information system, thereby better supporting the company's financial management and decision-making.

In the process of implementing accounting information at China Nonferrous Metals Co., Ltd., various challenges arise, yet they come with inherent opportunities for enhancement and support. First, there's an opportunity in meticulously analyzing the company's needs during technology selection. This alignment can streamline operations, boost efficiency, and ensure long-term scalability. Additionally, addressing data quality issues presents a chance to establish robust data management practices, including rigorous cleaning, validation, and control, fostering an accurate financial foundation. Recognizing the lack of employee skills offers an opportunity for comprehensive training programs, enhancing operational efficiency and system utilization. Moreover, identifying potential security vulnerabilities allows for the fortification of system defenses through enhanced measures like access controls and encryption, safeguarding sensitive financial data. Streamlining workflows and enhancing efficiency by improving integration with other systems is another opportunity, minimizing data discrepancies and enhancing operational

harmony. Embracing regular maintenance and upgrades establishes a structured approach to sustain system performance and security. Furthermore, conducting a thorough cost-benefit analysis ensures informed decision-making, aligning the investment in the accounting information system with anticipated returns. By proactively addressing these challenges, China Nonferrous Metals Co., Ltd. can effectively leverage these opportunities to conduct precise demand analysis, fortify data management, empower employees, enhance security, ensure seamless system integration, and maintain system performance and security.

5. Conclusion

To sum up, the impact of accounting informatization on the financial management of resource-based enterprises is all-round. It can improve data accuracy and timeliness, optimize financial management processes, improve financial decision-making accuracy, etc., and provide

information for the daily operations of resource-based enterprises. Substantial support. Although it will bring some challenges in practical application, enterprises can still achieve the best effect of accounting informatization in financial management through corresponding measures.

References

- [1] QC, Peng. (2020). Research on the impact of accounting informatization on corporate financial management. *Fireworks Technology and Market*, 31-34.
- [2] DL, Fu. (2020). Analysis of the impact of accounting informatization on corporate financial management. *Economic Management Digest*, 122-123
- [3] YQ, Lu. (2020). Research on the impact of accounting informatization on corporate financial management. *Modern Marketing (Business Edition)*, 191-192.
- [4] YF, Zhu. (2020). Research on the impact of accounting informatization on corporate financial management. *Business Manager*, 84-85