

Application of fine management in Construction Engineering

Mingxing Huang

MCC Communications Construction Group Co., Ltd., Haidian, Beijing, 100018

Abstract: under the background of rapid social development, the number of construction projects is increasing, and the attention of the society to the quality of buildings is increasing. In order to effectively ensure the construction quality of construction projects and the use safety of construction projects, relevant units should strengthen the management of the construction process of construction projects, carry out comprehensive quality optimization and management improvement, and carry out refined construction management of the whole project in the construction process, so as to improve the work efficiency and construction quality of construction projects. Based on this, this paper analyzes the application strategy of fine management in construction engineering construction for reference.

Key words: fine management; Construction works; Construction; application

Introduction: with the continuous development of social economy, the competitive pressure of construction engineering market is increasing. As a modern management concept, refined management plays a positive role in optimizing the construction management of construction projects. It can solve the problems existing in the traditional management of project construction, help to improve the market competitiveness of construction enterprises, and promote the healthy development of construction enterprises. In order to achieve long-term survival and sustainable development, construction engineering enterprises should correctly recognize the important value of refined management, pay attention to strengthening the management of construction process and construction quality, actively implement refined management according to the actual situation of the enterprise, and optimize management from the quality of technical personnel, engineering technical ability and other aspects, so as to ensure the effective implementation of refined management methods.

1 The concept, characteristics and practical significance of refined management

1. Concept of refined management

Refined management refers to the refined processing of each link of the target project, accurately grasping the work of each link, promoting the cooperation of the staff of each link, jointly promoting the smooth progress of each work, and giving full play to the local service role of each link in the overall project. In the construction process of construction projects, the refined management of enterprises is mainly oriented to the project life cycle, project implementation specifications and other contents. Through the management of each link, the construction projects can be effectively promoted. As a modern management concept, the essence of refined management is to finely divide complex projects and simplify cumbersome contents, which can not only reduce the difficulty of management, but also ensure that all responsibilities are implemented to specific departments and individuals, which is conducive to enhancing the responsibility consciousness of relevant management personnel, promoting the staff in all links to actively implement management measures, so as to enhance the management effect. The concept of fine management provides a new idea for construction project management. In order to give full play to the application effect of the concept of fine management, construction enterprises should pay attention to setting specific management measures according to the actual situation, solve the problems existing in the traditional management mode, and improve the construction quality and construction efficiency from the management level.

2. Characteristics of refined management

The construction project is a complex system work, involving many types of construction work and construction technology. The introduction of refined management methods into the construction process can realize the effective management of various processes and departments, effectively improve the management level of the overall construction project, and promote the high-quality development of the project. The application characteristics of refined management are obvious. First, it is systematic. This management concept pays attention to refined management, pays attention to the connection of different links in the construction process, and promotes the construction process to form a system as a whole. Each construction link is effectively integrated to achieve the work management goal in the process of mutual coordination. The second is the characteristics of order. In the process of implementing the refined management concept, enterprises can carry out management work for different construction projects, provide corresponding feedback data information for different project management, meet the data processing requirements of the construction management process, and promote the orderly construction work. In the management process, the enterprise can comprehensively and carefully analyze the construction information technology at the construction site, summarize the progress and specific conditions of the construction project, and provide reference for the subsequent orderly promotion work.

3. Application significance of refined management

In practical engineering, the traditional management mode has been difficult to meet the changing needs of construction engineering enterprise management. In this context, enterprises gradually introduce the concept of refined management, improve the management system

and improve the effect of construction management through the construction of refined management mode. It is of great significance to adopt refined management in the construction process of construction projects, which is mainly reflected in the following aspects: first, it can comprehensively strengthen the effect of enterprise management. Refined management can analyze the construction process from the overall perspective of construction engineering, find all kinds of details and hidden construction problems in the construction process, and take corresponding countermeasures to avoid hidden dangers caused by construction problems and effectively improve the management effect of enterprises. For example, for the problem of employees' sense of responsibility, the construction enterprise can ensure that employees have a rigorous working attitude through training, promote them to work efficiently in their work, improve the smoothness of construction work, and then improve the construction efficiency of construction projects. The second is to be able to clarify the division of responsibilities. The refined management concept pays attention to the reasonable division of responsibilities of each link to ensure that the work of each link can be implemented to specific departments and individuals, so as to form the constraints on the specific behavior of construction personnel and management personnel. In this process, the refined management mode can be combined with the construction project to set up a risk early warning mechanism, so as to estimate the construction risk, quickly respond to emergencies, and ensure the smooth progress of the construction project. Third, it is conducive to promoting the healthy development of enterprises. The introduction of refined management can innovate the concept of enterprise development, eliminate the potential hazards in enterprise management, solve the problems in construction management, and clarify its development direction by analyzing the current situation of the enterprise, so as to promote the healthy development of the enterprise and improve the economic benefits of the enterprise.

2 Application strategy of fine management in Construction Engineering

1. Build a refined management system and coordinate the construction organization work

Under the refined management mode, the construction unit should build a perfect refined management system according to its own actual situation, so that all departments can carry out work according to relevant rules and regulations, and provide a normative basis for all work. In the process of system construction, enterprises should deeply analyze the problems existing in the current construction, find out the corresponding solutions combined with the refined management concept, and solve the deficiencies in the traditional management mode. The traditional management mode is lack of refinement, which causes unnecessary cost consumption in the management process. In this regard, enterprises should pay attention to the adjustment of management content and set up scientific and reasonable management rules and regulations. First of all, for department coordination, enterprises should pay attention to ensuring the coordination and cooperation among management departments, construction departments and professional operation teams, and establish a good negotiation and communication mechanism to promote good communication among departments, construction departments and sub suppliers. In this process, enterprises can set up a special hierarchical coordination management structure to coordinate and sort out the work of various departments, promote the smooth convergence of various links, and build a fine management pattern. Secondly, for resource management, enterprises should pay attention to setting up resource management mechanism based on past experience and existing resources, reasonably control the transportation, delivery, management and use of resources, build a perfect resource application system, effectively improve resource management, and reduce costs and waste caused by work management factors. Finally, according to the construction cost, enterprises should pay attention to the reasonable control of the construction cost to promote the smooth progress of the construction at all stages. Construction cost is an important part of construction management. The implementation of refined management of construction cost will help to improve the economic benefits of enterprises and save the operation and management costs of enterprises. In this regard, the construction unit should pay attention to the preparation of cost budget, analyze and compare the material procurement cost, and reduce the procurement cost on the basis of ensuring the material quality. Management cost and human resource cost are important items of cost management. The construction unit should pay attention to reasonable adjustment of project cost and reduce ineffective cost expenditure.

2. Strengthen the quality management of construction technology and effectively improve the level of construction projects

In order to give full play to the application effect of fine management, the construction unit should pay attention to the construction technology and construction quality, and further improve the overall level of the construction project. First, carry out construction quality management. The construction unit shall formulate the corresponding management system and safeguard measures according to the quality management system and management process, and set the hierarchical management standards and process specifications according to the actual situation of the enterprise. During the construction process, the project management department should carry out work reasonably in strict accordance with the normative contents such as procedure documents and quality manuals, reasonably set management contents according to the construction project objectives and construction quality requirements, clarify the construction responsibilities and authorities of each department, promote construction inspection, personnel training and other work, and effectively control all aspects of the construction process. In this process, in order to ensure the implementation of quality management, the construction unit can promote the responsibility mechanism of professional engineers and quality engineers to promote the quality management work. Secondly, carry out construction technology management. Technical management is the key to improve the construction quality. The construction unit should pay attention to improving the overall level of all technical personnel and strengthen the management of construction technology. During

this process, the construction unit shall regularly organize training activities for technicians to promote them to learn new technologies and processes in architecture and implement new specifications and procedures; Build a bridge to learn from the advanced construction experience at home and abroad, so that technicians can timely understand the new developments of the industry, improve the construction quality with the help of advanced technology, and increase the technical content of the construction process; In the process of project preparation, appropriate construction specifications and standards should be selected, and technical personnel and management personnel should be organized to study the project process standards and relevant documents, understand the construction characteristics of the project, so as to enable relevant personnel to master the construction process of the project and complete the project tasks with high quality; According to the content of the construction project, the corresponding scheme technology is prepared to promote the technical work to effectively guide the construction, adhere to the principle of improving quality and efficiency, and strengthen the application of high-tech building materials and advanced construction technology, so as to improve the production efficiency of the construction project and promote the project construction to a first-class level. In the process of project construction, the construction unit should timely confirm the design scheme and construction scheme, so as to promote the construction project to effectively adapt to the requirements of various parties, adapt to the development level of construction technology, and promote the smooth progress of the construction project on the basis of ensuring the project quality and duration.

3. Carry out environmental safety management to ensure the safety of project personnel

In the process of construction engineering, the construction unit should carry out environmental safety management in combination with the refined management concept, so as to ensure the safety of the project and staff. First, carry out construction environmental management. The project environment largely affects the progress of construction projects. The construction unit should try to reduce the impact of the environment on the construction process and strengthen the management of the construction environment. In this regard, enterprises should set up perfect and refined environmental management measures, and set up targeted construction schemes in combination with the natural elements of trees, surrounding pipelines and other elements involved in the project; Formulate a refined seasonal construction scheme in combination with construction conditions and seasonal changes to reduce the impact of seasonal changes on the construction process; Comprehensively analyze the geological conditions of the construction site, provide effective data basis for subsequent construction, and ensure the safety of the construction process; Set up different construction schemes according to different seasons, pay attention to optimizing construction conditions, and create a good construction environment for construction work; Properly handle the dust and waste gas at the construction site, improve the management of domestic water and sewage in the living quarters, effectively implement the management measures related to construction and production wastewater, and reasonably control the noise and light pollution generated during construction in combination with relevant national regulations. Secondly, carry out construction safety management. The construction unit should ensure the safety of construction personnel, adhere to the people-oriented concept in the construction management process, enhance the construction safety by constructing a refined management system, and reduce the harm to the staff by applying advanced construction technology and means; Regularly carry out occupational health and safety inspection to prevent the occurrence of occupational diseases of construction personnel; Pay attention to the assessment of the risk factors at the construction site, timely identify the risk factors, take effective measures to manage the risk factors, and control the direction of occupational safety; Pay attention to enhancing the safety awareness of operators, regularly organize and carry out safety education activities, so that constructors can be familiar with the safety management regulations and identify potential safety hazards at the construction site.

Concluding remarks

To sum up, in order to improve the management level of construction enterprises and deepen the management system, enterprises can introduce refined management model to realize modern management. As a new management concept, modern management can improve the management efficiency and quality of construction enterprises, and promote the healthy development of enterprises. In this regard, construction enterprises can optimize the management mode with the help of the refined management concept, strictly control the construction process, improve the core competitiveness of enterprises in the market, and effectively improve the economic benefits of construction projects.

References:

- [1] Kaiqiang Du, Yadong Wang, Xiaoqi Dang, Chaixia Li, Zhigang Zhang. Construction site technology and management measures of housing construction engineering [j]. urban building space, 2022, 29 (S1): 400-401
- [2] Yi Zhou, Junlong Lei. Control and management of project cost in the construction phase of housing construction engineering [j]. China building metal structure, 2021 (12): 45-46
- [3] Dongmin Jiang, Dongliang He, Zhe Zhang. Research on safety production management in construction engineering -- Based on accident causing theory and data mining technology [j]. Journal of Shenyang Jianzhu University (SOCIAL SCIENCE EDITION), 2021, 23 (06): 605-611
- [4] Yun Ling. On the control and management of total cost budget and final accounts in construction engineering [j]. China Petroleum and chemical standards

Tie dye in the cloud -- the leader of Youchuang brand in promoting the development of intangible cultural heritage

Liye Fu, Xiaojing Xin, Quanyin Guo, Jie Yue

Dalian University of Finance and Economics, Dalian 116000, Liaoning

Abstract: Based on tie dye, one of the intangible cultural heritages, this paper discusses the development of tie dye in the new era. According to the analysis of the current situation of tie dye, it proposes to establish a national independent brand "Shi · ran", so that the traditional skills can maintain the original essence, integrate modern technology, revitalize and find their own development characteristics.

Key words: tie dye; modern technology; independent brand

1 Current situation of tie dyeing of Bai nationality in Yunnan

1. Current situation of tie dye related brands

In recent years, the state has advocated tie dyeing for cultural and creative design, and encouraged the creation of its own brand. Through interviews and surveys, our team found that although the national guidelines are favorable, many intangible cultural heritages have not formed their own brands due to lack of technology and management experience. Although some intangible cultural heritage products have formed their own brands, they lack relevant knowledge of brand and marketing and are not recognized by the public. At present, few institutions in the market use intangible cultural heritage resources to research, develop, design and operate cultural and creative products, especially small and medium-sized private companies or studios that cannot form independent brands; However, some large cultural and creative companies or institutions are not clear enough in terms of creativity and marketing concepts, and their brands have no influence. Among them, the survey found that the repurchase rate of users was low, and most people bought it just for commemoration or collection. The development potential of the user group of non-traditional cultural and creative brands is still great, and there is a lack of guidance and control over the consumption of the target user group.

2. "Culture" status of tie dye related products

In recent years, the upsurge of "Chinese style" has gradually heated up, and its related cultural and creative products have been listed. According to the survey, it is not uncommon for the intangible cultural heritage culture to be mechanically copied in the market. The designers of products lack a deep understanding and Research on the connotation of intangible cultural heritage culture, which makes some

and quality, 2021,41 (18): 37-38

[5] Jie Tang. Research on construction site management of water conservancy construction projects -- a review of water conservancy construction [j]. Journal of irrigation and drainage, 2021,40 (09): 149

[6] Yong Feng, Xiaolin Li, Wei Xu, Peng Zhao. Analysis of civilized construction management innovation in green building engineering construction site [j]. building materials development orientation, 2021,19 (16): 50-51

[7] Junhai Han. Problems and Countermeasures in safety management of construction site [j]. real estate world, 2021 (15): 105-107

[8] Yating Jing. On the control and management of project cost in the construction stage of housing construction engineering [j]. China building metal structure, 2021 (06): 54-55

[9] The Ministry of housing and urban rural development revised the measures for the quality management of construction engineering survey and the measures for the management of construction engineering construction permit [j]. bidding and procurement management, 2021 (04): 8

[10] Zichao Liu, Tiemin liu. Discussion on effective measures to strengthen construction quality cost management of construction engineering [j]. enterprise reform and management, 2021 (02): 193-194

[11] Qingzhen Fan. Research on construction schedule management of municipal and housing construction projects based on BIM Technology [j]. China building metal structure, 2020 (12): 26-27

[12] Yufei Zhang, Botao Xing. Analysis of digital management in the construction phase of building engineering [j]. China Architecture metal structure, 2020 (11): 34-35

[13] Xingjin He Discussion on construction technology management of deep foundation pit support in construction engineering [j] Theoretical research on urban construction (electronic version), 2020, 000 (018): p.74-75

[14] Jun Li, Na Wei. Practice research on dynamic cost management and cost control in construction process [j]. Juye, 2020 (06): 160+162

[15] Xuguang Li Research on the construction site management strategy of housing construction engineering [j] Theoretical research on Urban Construction: electronic version, 2020 (13): 1