

# Trying to Analyze of the Application and Development Trend of Innovation Model in Construction Engineering Management

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**Abstract:** At present, with the continuous development of domestic society, the urbanization process has been progressed. In this context, as for the construction industry, it should continue to improve its competitiveness in the process of urban development, and to ensure that their own competitiveness can be effectively improved, while guarantees it to meet the requirements. Therefore, this paper will analyze these contents, and in the process of comprehensive analysis, find out the direction of the future development of the construction project management industry, and finally provide certain reference suggestions for the practitioners of the relevant industry while ensuring the satisfaction of the efficiency of construction project management.

**Keywords:** Construction engineering; Engineering management; Innovation mode

At present, China's market economy system has been faster development, including the engineering and construction industry which in the future market still face much more competition. On this basis, the relevant construction project management personnel should pay more attention and attach more importance to the content of engineering construction management, and on this basis to further improve the construction management ,develop their own effective management engineering, and solve cost issues to make the project schedule to meet the requirements, and on this basis to satisfy the economic benefits of the engineering construction company. Therefore, as engineering construction people need further improve the current engineering and construction management quality, should be on this basis to identify the development prospects of the construction engineering company, should actively use innovative management methods, promote the level of management class to be improved, while effectively improve the management capacity and quality of engineering construction. At the same time, relevant construction engineering companies should pay more attention to their own innovative engineering management methods, and in this process should effectively improve the level and ability of engineering construction management, and in the process of determining their own innovative methods, identify the content of some of these areas. In this way can meet the future standards in the process of engineering management innovation. Not only that, the relevant construction engineering industry personnel should identify the innovative way in which the standards are handled at the same time by the relevant managers and technicians with certain innovative ideas and in the process of independent thinking, establish the way of thinking mainly with innovation, and finally with certain innovative thinking, should also effectively complete the engineering construction, and finally make it possible to get a better development.

## 1. The importance of applying innovative models in construction engineering management

### 1.1 Enhance the competitiveness of enterprises

At present, China's market economy has developed rapidly, and in the process of continuous development, the construction industry has made certain progress. At the same time, the domestic modern construction enterprises still have a large competitive pressure, in this context, the relevant construction industry personnel should be constantly improving the efficiency of construction projects in the process, in addition needing to strengthen construction, to have good traditional concepts and awareness, should establish a full range of management mode, identify the construction content of construction projects, while optimize management mode, but also need to improve the management mode at the same time, effectively enhance the core competitiveness of the enterprise itself. In addition, the relevant construction engineering management mode and information technology personnel need to further guarantee the development direction of the construction industry in the management process, should also make the construction industry has a better development prospect. This has a very important significance in the current market, and is also one of the important elements in the future development of construction engineering, to further effectively enhance the quality of China's construction projects on this basis, so that the current project has a certain effect.

### 1.2 The application of innovative mode can promote more scientific construction engineering management

For the relevant construction engineering personnel, in the implementation of various management innovation methods, should be innovative to some of the construction methods, in the process of further improving the efficiency and way of engineering construction management, can be based on scientific research methods and research theories, effectively enhance the efficiency of

the current engineering construction management methods, really promote the level of future development of the current engineering construction industry, while meet the reliability, obviously make the production level higher, in the context of utilizing social and economic development, make their own quality to get certain satisfaction, and ultimately can make innovation in line with the standards of construction and building, and make it have a certain construction effect.

### **1.3 Rational allocation of resources**

Currently, China's construction industry is ushering in new development opportunities and challenges. In this context, the scale of the domestic market is further expanding, in which many market resources still need to be optimized to a certain extent<sup>[1]</sup>. Relevant management personnel should further improve their own competitiveness, while improve resources in there, to solve, To be able to solve some of the problems that may exist in the construction process in the process of promoting their own development, on the basis of construction engineering managers bring more opportunities and development opportunities for society, while need to improve the level of construction personnel.

## **2. Analysis of relevant paths of innovative construction engineering management mode**

### **2.1 Refinement of construction project management content**

China's innovative construction engineering management mode needs to be able to focus more on the optimization of the management content in the specific management process, should be in the process of further optimization of the management content, strengthen the scale of the internal content of the enterprise, and make the construction content meet the requirements while identifying the scale. Therefore, the relevant construction management personnel should meet the construction volume and complexity of the construction project in the specific construction management process, and in determining the innovative management mode, the key points should be optimized and subdivided, and each area and content should be divided and managed in detail. At this time, the relevant construction project management personnel should require the corresponding areas of personnel to carry corresponding door cards, while determining the management mode at the different areas, so as to effectively improve the efficiency of safety management, while further supervise the construction site as far as possible, using information management technology to supervise the quality of safety management and so on. This can make the current construction so as to meet the requirements, and meet the content of the monitoring conditions.

### **2.2 Innovative construction engineering management technology**

With the development of domestic construction engineering management technology, intelligent technology has been popularized to a certain extent. In this context, the way of innovative construction engineering management technology has become one of the key factors in the future development. In this regard, the relevant information technology management personnel should identify and optimize some related information content in the specific application process, to be confirmed for the difficulties therein, and to be able to achieve the expected results while effectively improving the overall management quality level and efficiency. Not only that, the relevant construction project management people in this process should be based on the internet of things technology to establish good construction project management. At the same time, the management content of which is regarded as a whole, can have the corresponding engineering construction team and specific materials and equipment, can flexibly applying some of the content, while further use management information technology. For example, the relevant management personnel in the process of using BIM technology, should as far as possible to meet the future of the traditional management of innovative processes, in in the process of using various technologies, determine some of the design cost construction management content. In this way, the construction project management heat source can further meet the requirements of management work, but also in this process with the help of BIM technology and auxiliary software to complete the construction of the model, under understanding the specific construction site situation, to analyze and identify the relevant construction management progress, and in the development of a good plan at the same time as possible to improve the future management efficiency. For example, the relevant management personnel should manage and analyze some of the information technology and so on when completing the design stage work, so that while understanding the expected construction situation of the project, identify the feasibility of the future implementation of the construction project, and require the promotion of the development of the innovative model in it while determining the difficulty of the work, which to a certain extent makes the future development has a certain basis.

### **2.3 Management system innovation**

For the current enterprise management system, there should be a good management system, and in each workflow environment, there should be an orderly game, only need to improve the management system, while meeting the requirements of the future development of society. At this time, our social development should know to meet at the same time, adapt to the future development trend. For example, the construction engineering industry in the completion of various building construction process, should make the building on a certain comprehensiveness and feasibility, need to identify the safety at the same time, the management of the sector in which, and timely allocation of the corresponding construction tasks, timely submitted to the construction side. In addition, construction management companies need to plan their internal duties and require employees to assume their responsibilities. This can make the employees have more requirements for their own responsibilities in the future work. This has a very important meaning and influence in the future construction enterprise project management industry.

## **3. Specific application and development trend of innovation mode in construction engineering management**

### **3.1 Innovative technology management**

At present, China with the development of information technology and progress related to the development of new technologies have been faster, in this context the construction industry also has a certain progress. However, the current construction engineering

industry involves more complex content, of which the management information by including a number of areas including more knowledge, so that the demand for specific data is also greater. However, the current domestic engineering information technology is slightly more complex and involves more data, should actively use the relevant data to display content in this context, to identify the information therein, to further meet the development requirements of various fields, also use reliable information technology to complete management work, establishing a good future engineering management system, while introducing the relevant organizational management system, and make the domestic engineering management quality to achieve the expected standards, establishing some information technology organizations, making the management model more clearly, and in some sense also need to transform the traditional management pattern in the past, the management efficiency is needed to be improved. At the same time, the construction project should meet the development of science and technology, further improve the future management efficiency of the industry, enhance the efficiency of the construction project, so that the whole process has a certain development significance. In addition, the relevant engineering technology management personnel need to innovate their own science and technology, while promoting its development, laying the foundation for future development, and actively attracting construction personnel to participate in the relevant training work at the same time, and eventually be able to train construction personnel with higher quality and higher level. In this way, building construction personnel can improve the construction process therein, making the final project construction management costs to be met.

### **3.2 Innovative management methods**

Currently, with the continuous development of the domestic construction industry, the competition in the future market will be more intense. On such basis, the management content of construction engineering industry should be adjusted in time and certain changes should be made. The management level of the construction enterprise itself has a certain connection with the innovation management. Therefore, in this process the construction personnel need to confirm the management method, and need to improve the level of management quality during the process of continuous innovation, so that the level of domestic science and technology to get a certain confirmation and satisfaction. On this basis, building construction personnel should be combined with the relevant management methods and specific content, in the management process to continuously improve the efficiency of management. In addition, as construction engineering managers in the construction process, they need to pay more attention to the effect of intelligent management and the prospect of future development, and they also need to further optimize the information management methods while combining the relevant engineering management contents<sup>[2]</sup>. Therefore, the construction engineering management personnel should consider the management information comprehensively while making certain confirmation and consideration of the engineering management characteristics in it, and complete the process of data processing while requiring innovative management methods to meet the standards, and be able to meet the future management efficiency while continuously improving the quality of engineering construction, so as to make the future economic benefits more in line with the requirements and standards.

### **3.3 Innovative organizational structure of construction engineering enterprises**

For the people of relevant construction engineering, in the process of completion of the organizational structure, paying attention to some of these issues. The first point, the construction engineering management personnel in the completion of the innovative process need to pay attention to some of these issues, need to identify their own management style, further in line with the future market regulations, and in the guarantee of engineering construction engineering management confirmation should be in line with the requirements of the implementation of the relevant engineering management measures, to be able to carry out a certain organization of the specific content, but also need to have the process of independent innovation, to identify and innovate the model there, while timely adjust relevant management methods, but also need to carry out a certain determination and control, and further make the future of the construction management model to get a certain guarantee. Immediately after that, the construction project management personnel should manage the administrative department in it, and then submit some contents to the superior, and control the internal management in this process, so that the future economic benefits can be satisfied.

### **3.4 Nurturing and introducing comprehensive talents with green construction ideas**

For China's construction engineering industry, certain training and introduction of current talents should be carried out, and certain innovation of the model content is needed in the process of training talents, so as to be able to show the corresponding innovative ability and mode in the implementation of relevant innovative management process, and lay certain foundation and conditions for the future development. In addition, the relevant engineering management personnel should cultivate comprehensive innovation in their own departments, and need to make the comprehensive talents show their own advantages, and then meet the future development requirements and standards.

### **3.5 Innovation in management tools**

These years, there is a close connection between domestic information technology and the future development of life. In this context, building construction managers should effectively optimize the content of each management system while making their own use of information technology, so that while satisfying the systematic nature of building construction management, the content of enabling maintenance information is stored, and a good management model is established while enabling certain management of future cost progress as well as quality content. This enables the sharing of future information and also optimizes the efficiency of use and quality standards in the construction industry.

## **4. Problems of current construction project management mode**

### **4.1 Outdated management methods, traditional management methods can not adapt to current needs**

With the development of domestic information technology carry-style process, should have their own economic model, and to optimize their own management system and technical standards in a timely manner, should show a good construction technology in the process, which requires the managers of which to make certain changes for various situations, and make the construction

management content and technical level to adapt.

#### **4.2 Personnel quality level problem**

Relevant construction engineering personnel should make certain confirmation of the personnel of each position while completing the optimization of work, and require the staff to devote a certain amount of time to complete the corresponding work. In addition, the construction engineering management personnel should identify the object of management in the process of work, and need to identify the management content of the engineering personnel, which requires the continuous improvement of personnel quality at the same time, so that the final construction quality meets the standards and requirements. In addition, the personnel involved in the construction site need to have a certain level of construction and quality, but also to identify some of the management content, so as to ensure that the company's construction mode and the expected results are consistent, which means that the quality of engineering construction and the quality of personnel have a close relationship.

### **5. Practical application of construction engineering management innovation model**

#### **5.1 Mechanism and concept of innovation of program management model**

For China's construction industry, it needs to make it has a certain development history and has certain characteristics at this stage. So that in this context the industry should adapt to the future development trend if they want to get an orderly development momentum for advance. This is one of the very important elements in the reform. In addition, enterprises in the future development process, should have a certain sustainable development concept, learn some new development concepts, while innovating the development content. In this context, enterprises should make certain determination of their own situation, and also need to really clarify their own development advantages and merits, identify the innovative development mode ideas at the same time, timely identify their own development direction, draw on certain management methods and concepts in combination with their own situation at the same time, to promote the future has a good planning goals.

#### **5.2 Optimize the construction techniques of construction personnel**

For the construction project manager, in the specific construction process, should optimize the technology and quality of their own construction personnel, and need to optimize the process flow in the process of construction, while continuously improving the quality of construction, can regularly carry out the corresponding scientific work, timely participating in the corresponding training work, while optimizing the use of personnel technology, and ultimately can effectively improve the Construction personnel's construction technology level and ability. At this time, construction technicians to improve their own construction quality, need to pay attention to their own sense of responsibility, while having a certain sense of safety, to be able to do the corresponding safety protection work<sup>[3]</sup>.

#### **5.3 Increase the attention to construction management**

In this context, the relevant construction personnel need further promote the normal development of construction management in line with the requirements, should do a good job of related publicity work, needing to put management content of the work in a more important position. This can be in the specific development process, according to the actual situation to meet the specific requirements, and can set up the relevant management department to delineate and sub-divide some of the work guidance content, and then identify the project manager. At the same time, this workshop management work content gets good development and progress. In addition, the relevant manned engineering managers have a certain degree of motivation relative to their own work, and to develop a good all-round management system system, in order to meet the initiative of the managers at the same time, to learn more professional ability knowledge, to be able to certain management experience as the basis, to further identify the importance of future management.

### **6. Development trend of construction engineering management innovation model**

For the current development of building engineering construction, should continuously improve the relevant management technology in the process of specific work, have an overall determination to certain content, while improve the technology. However, the quality of most of the current construction engineering management personnel, often need to be confirmed on a certain basis for the management content, but also need to further improve the level of relevant management techniques, to promote the future development of enterprises, while refining the relevant management content.

### **7. Conclusion**

Synthesizing above, relevant construction engineering personnel need to determine a certain management system at the same time, and have a scientific management system, which has a better development prospect in the future. In this context, the relevant construction engineering management personnel should make certain planning for the future development content while determining the corresponding management system, and also need to identify the prerequisites for the construction of engineering projects in the management process, which is also one of the contents to promote the smooth development of the project. Therefore, the construction engineering management enterprise should combine its own development content mainly, identify the corresponding scientific management system while further optimizing the development goal, and then effectively promote the future development of the construction industry while allocating relevant resources.

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