

Study on Marx's Engineering Architecture Theory

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Abstract: Marx's theory of engineering architecture is a necessary condition for the construction of engineering projects, but also in the new era of socialism with Chinese characteristics on the basis of practice on the development of architectural theory research needs. The perfect conclusion of the "13th Five-Year Plan" laid a solid economic foundation for us. During the "14th Five-Year Plan" period, China embarked on a new journey of socialist modernization and entered a new stage of development. Based on the double cycle of domestic and international, we must develop new engineering projects under the guidance of Marx's engineering theory, and adhere to the quality first and efficiency first of engineering construction. We will strive to achieve the ambitious goal of a new type of industrialization by 2035. Therefore, exploring Marx's theory of engineering architecture is conducive to improving the level of economic development, coordinating the five-in-one overall layout and realizing the task of the great rejuvenation of the Chinese nation.

Keywords: Marxism, Engineering architecture.

1. Introduction

Our economy has achieved remarkable results through the project implemented many years since reform and opening. Standing at the historical intersection, sailing in pursuit of dreams, the sea and stars, we have never stopped, and are still in an important period of strategic opportunities. The theory of engineering architecture is an indispensable theoretical basis for social development and an important content of Marxism. Facing the complex situation at home and abroad, we should deeply understand the formation and practical significance of Marx's engineering and architecture theory, and vigorously promote the development of other aspects of society, contribute to the construction of modern economic system, the construction of the new era of "top-level design", and promote the harmony and unity of industrialized cities and nature.

2. Overview

2.1. The meaning of Marx's theory of engineering architecture.

Construction project is an economic activity of human life. With the rapid development of global industrialization, it is necessary for us to learn the engineering and construction theory of Marxism. The study of Marx's theory of engineering architecture is conducive to our understanding of the world and transformation of the world, to improve the level of industrial technology. Marx and Engels did not define the meaning of "engineering architecture theory" in detail, but from his analysis of the industrial revolution, we can see the importance of engineering architecture. Study Marx's theory of engineering and architecture, promote the Party and the state to make new major achievements in various undertakings, and forge ahead towards our great goal of national rejuvenation. This paper analyzes the characteristics and functions of engineering architecture theory from the background of industrial revolution.

The formation and development of all societies are inseparable from the change in the mode of labor. "Labor

creates man himself". With the development of industrialization and the improvement of productivity, the contradictions of capitalist society are gradually exposed. Britain was the first country to experience an economic crisis, with frequent social phenomena such as overcapacity, factory closures and unemployment. "The productive forces created by the bourgeoisie in its less than a hundred years of class rule are more and greater than all the productive forces created by all the generations in the past". According to the materialist dialectics principle of Marxism, any phenomenon has a reason, there is no fruitless cause, and there is no fruitless effect. Phenomenon is the surface of things, essence is deep inside things. Through the phenomenon of economic crisis caused by industrialization, it can be concluded that the basic contradiction of capitalism is the contradiction between the socialization of production and private possession. It is intensified constantly, causing social unrest and laying the foundation for the emergence of the proletariat.

In the industrialization era, proletarian revolutionary movements broke out one after another in bourgeois countries. The contradiction with the bourgeoisie intensified the transformation of the mode of production, and Marxist engineering theory was formed under the background of the industrial revolution.

We realized the power of science and technology through the three Industrial Revolutions. The Industrial revolution was also a scientific and technological revolution, because it changed the mode of production and industrial structure with the power of science and technology. In particular, it innovates the way engineering structures are constructed. The Industrial Revolution was characterized by large-scale machines replacing the factory model dominated by handicrafts, and then linking various production industries and sectors together, facilitating the formation of import and export trade. Marx made the highest evaluation of the scientific and technological revolution: "revolutionary force in the highest sense" Science and technology are inseparable, science and technology refers to the use of advanced modes of production or means to transform nature, forming a new understanding of the objective world. It marks the transformation of engineering mode, which changes the

original engineering production mode. Progress in productivity creates more money and improves people's living standards. It also means a greater ability to understand and transform nature.

In the 18th century, Europe created the word "engineer", from the English word "engineer", from a Latin, meaning the Roman legions used the battering hammer, but in fact "engineering" first appeared in ancient China, the Southern and Northern Dynasties, to the Qing Dynasty is more common. Its original meaning is the production of weapons, military purposes of the work, later expanded to many fields, such as building buildings, manufacturing machines, Bridges and roads. Engineering, in a broad sense, refers to the interaction of science and technology and mathematical knowledge. It is mainly about the processing of natural materials to make them play with their characteristics and produce new structures that have not existed before. In short, it is to use the least amount of human and material resources to make convenient and valuable to society new material.

I think Marx's theory of engineering architecture is based on Marxism and has knowledge of engineering architecture, including engineering architecture, equipment installation, decoration and so on. It has different meanings in different times and is a methodology to guide people to understand the world.

2.2. Characteristics of Marxist engineering architecture theory

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The theory of Marxist engineering architecture is a theory that is constantly developing, advancing and advancing with The Times. It is constantly enriched and perfected with the progress of science and technology. It is not unchanged or denied blindly. Our country is on the path of socialist development, especially since the reform and opening up, the development of the western countries of several hundred years. The development of our country is also the development of "parallel", agriculture, urbanization, industrialization and information technology stack up. The birth of the new and the death of the old are the real nature of development. New things refer to those that meet the requirements of current social development, while old things refer to those that have lost their historical necessity and gradually disappeared. The new engineering construction theory is the one with strong creativity, satisfying the needs of the people's interests and being recognized by everyone. The new theory is bound to overcome the old theory, so our understanding of engineering is a process of infinite development. Socialist society is a society in need of constant reform, from the ignorant stage to the communist society, so the engineering theory must also continue to develop along the direction of scientific truth, so that human beings from the kingdom of necessity to the kingdom of freedom.

Marxism is a generalization of human life and experience over a long period of time, with long-term guiding significance and social history. "Because objective time is concrete and historical. So the subjective understanding of engineering theory is also historical. Oppose historical nihilism. Marx's engineering theory is formed on the basis of summarizing the characteristics and experience of the industrial revolution. Only on the basis of the Industrial revolution can we have a deeper understanding of the importance of engineering. Marx thought: "Revolution is the locomotive of history" only by recognizing the historical trend can we enrich the theoretical knowledge of engineering better. The history of Marx's engineering theory determines that it is still helpful to us. The country needs continuous construction projects to develop big industries, improve the overall economic level of the country, to complete the "14th Five-Year Plan" and realize people's expectations for a better life.

Marxism is a theory that begins with practice and explores continuously in practice. The viewpoint of practice is also the primary and basic viewpoint of Marxist engineering construction theory. It is different from the instinctive activities of animals. The living activities of human beings are practical. Practice is the most basic activity of human beings. The essence of our life is practice. Marx's theory of engineering construction is also based on practice, combining theory with practice. Practice is the only standard to check whether the engineering construction project is qualified. Whether knowledge or theory is true or not depends not on what we think subjectively, but on the outcome of social practice objectively. The standard of truth can only be the practice of society. Engineers can actively transform architectural projects through practice. This process is the interaction between subject and object. All our engineering buildings are the activities of subject and object.

2.3. The significance of Marx's theory of engineering architecture

Marxist engineering architecture theory in different times will have different guiding significance. Value evaluation is the subjective reaction to the objective value relation. Scientific evaluation is an objective, fair, comprehensive and effective evaluation, which must be reflected correctly. today We are closer than at any time in history to the goal of great rejuvenation, which is the highest aspiration of the Chinese nation. "Our conclusion is the unity of subjective and objective, theory and practice, knowledge and practice of concrete history, and opposes all wrong ideas of 'left' or 'right' that depart from concrete history" We were fully involved in the planning of the 14th Five-Year Plan, but the environment we face is still complex. We need to brave the winds and waves of the second Centenary Plan together to build a modern country. A clear understanding of the importance of Marx's engineering construction theory, in order to constantly improve the modern economic system, adhere to Marx's engineering theory, mobilize the enthusiasm of 1.4 billion people to participate in the construction of engineering construction, provide support for the spiritual construction, and strive to build our country into a strong modern socialist country, democratic, civilized, harmonious and beautiful.

History is a memory, no matter what kind of social form can not lack of labor. Labor is the basic element of social production. From hunting in ancient times, to handicraft industry in feudal times, big machine industry in capitalist

society, until today's engineering digital information age are inseparable from labor. People engaged in labor is the most active factor of productive forces, and productive forces determine the relations of production. According to Marxist materialist dialectics, productive forces and relations of production are the basic contradiction of society. Marx believed that the basic law of the development of human society is the principle of the relationship between productive forces and relations of production, and this principle is an important basis for Marxist political parties to formulate lines and guidelines. Marxism is the theory of proletarian liberation, the theory of socialism replacing capitalism, and the development of productive forces is the fundamental task of socialism. Is "the highest standard of social progress".

Marxism is not an outdated theory. Marxism is the theory of proletarian liberation and the theory of socialism replacing capitalism. The development of productive forces is the fundamental task of socialism and the "highest standard of social progress". It is instructive no matter what era we live in. It is always with us. Marx's theory of engineering architecture objectively analyzes the process of the replacement of social forms, which is historical and inseparable from life. Because of its guidance to improve the productivity, it provided methodology guidance for a correct understanding of history, its appearance changed people's way of life, to achieve a qualitative breakthrough, our economic development results can not be separated from the project construction, all reflects the importance of the engineering construction theory. China's development is still in an important strategic period. We must continue to implement the policy of comprehensively promoting economic development, of which economic development is fundamental. In order to improve the level of national economy, we must apply Marx's theory of engineering architecture to the information society and develop industry to the utmost.

China plans to basically realize the vision goal of socialist modernization by 2035, which cannot be achieved without economic development. Only when the total economic aggregate increases can China achieve new leaps in science and technology and become one of the leading innovation-oriented countries. The fact that China is in the primary stage of socialism has not changed; China is the largest developing country has not changed. Based on the new era, we must build economic development as the central task. The economic base determines the superstructure. Only by vigorously creating new projects can we meet the development requirements of the new era. On the basis of practice, upholding the leadership of the Party, adhering to Marxism-Lenin thought and constantly enriching Marxist engineering theory are the inevitable requirements for us to embrace a bright future.

3. Conclusion

As China enters a new era, the main contradiction in our society has been transformed into the contradiction between the people's growing need for a better life and the unbalanced and inadequate development. The global industrial revolution and technological revolution are combined with the

development of China's engineering construction. The traditional mode of production with large machines is no longer applicable to the current information society. Consciousness is the reaction in people's minds, while social consciousness is the reflection of social existence. Only the latest social consciousness can drive economic development. The social awareness of the new era promotes the optimization and upgrading of the engineering structure, and the new scale and new system are more suitable for the needs of the current society.

China is at a critical moment of great rejuvenation. The most important thing for a country is opportunity. We are facing new challenges. We strive to build China into a prosperous, strong, democratic, civilized and harmonious socialist modern country by the middle of this century. The most important thing is to adhere to the guiding position of Marxist engineering construction theory in China, promote the new-driven development, standardize the modern enterprise system, and build a new development pattern. Construction engineering is the power source of economic development. Only by vigorously constructing engineering can the country become rich and strong. Only by continuously carrying out scientific and technological innovation, adjusting ecological balance, strictly demanding project quality, and continuously building new engineering buildings can provide strong support for economic construction.

We should promote deeper reform and then implement high-level opening up to provide strong impetus for building a new development pattern. First of all, the traditional engineering construction needs to change the production mode and carry out new creation. I think we should use the dialectical negation of Marxism to guide the transformation of traditional industry, but instead of blindly developing and discarding, we should criticize and inherit the old way of engineering construction, overcome its backward ideas and retain the advanced ideas. For most of the traditional engineering manufacturing industries with a history of one hundred years, it is not to abandon the original industry and enter the new scientific and technological field, but to use the latest and appropriate scientific and technological means on the basis of the original traditional technology to transform and upgrade the whole project, achieve new breakthroughs in the engineering field, and add new impetus to economic development. This requires the continuous introduction of high-tech talents, and colleges and universities can increase the courses on engineering construction to cultivate the backbone of the country.

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