

The Road of Green Design -- the Only Choice of Interior Design Facing the Future

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Abstract: Green Design is a Design Concept with the Purpose of Protecting Environment and Resources. This Will Become the Future Development Direction of Interior Design. with the Continuous Progress and Development of the Society, the Environment on Which People Live is Generally Destroyed. So People Like Nature, Ecology and Green More. Therefore, in the Aspect of Interior Design, the Main Style of Green Design is Quoted, Which is More in Line with People's Requirements for Living Conditions and National Environmental Protection Requirements, and Will Inevitably Become the Mainstream Style of People's Interior Design in the Future. This Article Will Analyze the Application of Green Design in Interior Design.

1. Introduction

With the Development and Progress of Society, in Recent Years, the Green Based Interior Design Has Been More and More Liked and Recognized by the Majority of People.

2. Basic Concepts of Green Design

2.1 The Essence of Green Design

In the classification of professional environmental design, green design is the most fashionable word at the turn of the century. But what is green design? In order to understand green design, we must first understand the origin of green concept. Green is the symbol of life. As far as its natural properties are concerned, green comes from the physical appearance of plants and the limitation of economic scale of life bearing capacity on the scale of the earth[1]. The products of photosynthesis are the sources of solar energy fixed by photosynthesis. Reduce the difference between the energy consumed by de green plants themselves. This quantity is the basic source of food in the world and the biochemical energy that supports all forms of animals on earth. Therefore, green is equal to the capable cycle of ecological environment. Green is the core concept of “green design”, which is to make a design system that follows the real cycle rule of ecological environment.

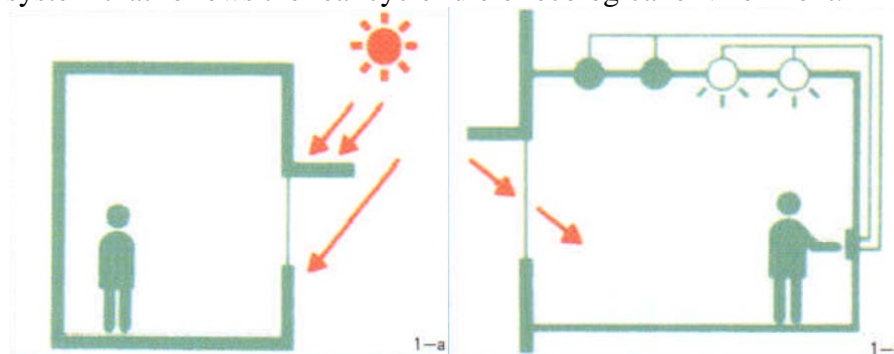


Fig.1 Environmental Design

2.2 Concept of Sustainable Development

So far, the development of artificial environment is undoubtedly at the cost of natural environment [2]. Therefore, starting from the basic concept of scientific and technological progress, the idea of sustainable development has become the theoretical basis for the development of various

industries. The core of the concept of sustainable development lies in the correct adjustment of the two basic relations[3]. The first is the relationship between man and nature. As human beings, it is necessary to act with the highest level of knowledge and moral responsibility to create a harmonious world[4]. As an interior design industry, in the overall layout of sustainable development strategy, it is in an important position to adjust the relationship between artificial environment and natural environment. Therefore, green design is the core of the industry to achieve sustainable development strategy, which depends on the progress of science and technology. Green design is essentially a concept of macro strategy [5]. The balance of “environment and development” is the core of national sustainable development strategy, and also the basic sign of maintaining the balance of “man and nature”. As a result, green becomes the basic logo name. The best state to reflect the ideal living environment is the virtuous cycle of ecosystem, the civilization of social system, the rational distribution of natural resources and the scientific construction of living space. The green design in this optimal state can define the realization system under the whole sustainable development strategy as two types of concepts[6]. As a Chinese designer, macro green design is the implementation plan of China's sustainable development strategy: in order to achieve the “zero growth” of population and size in 2030, the first step of China's strategic goal of sustainable development is taken; the “zero growth” of resource consumption growth rate, through the second stage of China's strategic goal of sustainable development, by 2050, the “zero growth” of environmental degradation rate is achieved in China. The third stage of the strategic goal of sustainable development is raised to the real entry of the whole sustainable development into yen. Under the strategic goal of sustainable development, the micro level green design is reflected in the environmental design system.

2.3 Is Just a Choice

The alternative approaches that guide our green design actions in the 21st century, and whether green design can become a sustainable development strategy, are closely linked to the survival and destruction of mankind[7]. This is a serious problem. Let's face it: by 1900, the total size of the world economy in human history had translated advertising into \$60 billion. A century later, the new global value added was 50 per cent of the world's wealth. In 1997, China's GDP was equal to or slightly higher than the world economy. The cost of vast wealth accumulation, the inability to consume resources and energy, and the brutal looting of the planet. Humans consume as much fossil fuel in a year as they have accumulated in natural history. In this reality of huge resource consumption in the form of economic model, economic scale, material and energy, if this surging growth is effectively curbed, if mankind does not doubt that it will dig its own grave. However, we must face the contradiction between environment and development. China's sustained and rapid economic growth, a large expansion of its population base, massive consumption of natural resources, and uneven regional development have put enormous pressure on China's environment and development in the 21st century. We are in a dilemma. We cannot follow the old path of “pollution first, treatment later” of advanced countries in the world[8]. For example, when the per capita gross national product reached \$11,000, the United States began large-scale environmental governance. China needs to reach a stage where its current GDP is below 700 us dollars. At the same time, we do nothing about the environment. Otherwise, we would be ashamed of our children and grandchildren. How to resolve the contradiction between environment and development, and how to find a reasonable balance between the two, is a severe challenge facing China in the future. Therefore, green design is the only way.

3. The Choice of Interior Design

3.1 Three Stages of Historical Development

According to the comprehensive degree of artificial environment and natural environment, the internal space of buildings can be divided into internal development stages. In the first stage, interface decoration is the feature of spatial image[9]. Open Indoor forms and nature maintain the

greatest mix of fishing and hunting collections and farming practices of the past. The second stage of space design as a whole performance is to create a self-propelled satellite reflecting the closed indoor form in the current industrial period. Using technology to achieve the third stage of interior green design technology, with very unified materials and space form to meet people's spiritual needs, to achieve poetic living again. The opening has become the future development direction. From the whole history of human construction, the history of interior decoration is also based on architecture. The painting on the wall is the interior decoration of human beings living in caves. The ceramic flowerpot painted on the ground is the decorative object of the original architectural style caves. As the wall to coordinate the architectural decoration, is used, and the decoration system based on the column and arch coupons of Western architecture is developed. The wooden building is a kind of that uses frame as decoration, and the oriental architecture with its content and light beam change is unfolding. Decorative systems form special decorative components, such as ceiling guards, partition fans, hoods, shelves, grids, etc. The modern architectural thought, which began in the second half of the 19th century, is based on reasonable functionalism. With the extensive use of reinforced concrete skeleton structure and glass, the development of indoor space has gained more freedom, and space flow is possible in technology. This is a revolution in the history of human architecture, which promotes the birth of modern interior design. At this time, the decoration on the internal and external walls of the building has been reduced to a minimum. Instead, the concept of decoration is based on the overall internal environment. The international interior design of modern architecture, decoration effect, layout method, unity and coordination of various tools as the focus, simple, gentle and comfortable use of shape and materials to achieve the overall production of indoor environment atmosphere. The essence of artificial environment is architecture.

During the period of hunting and collecting very simple tools of production, the way of life and the level of productivity make it impossible for human beings to build decent buildings at that time. Hanfiji has five falcons records: in ancient times, there were few beasts and animals, and people were overwhelmed by animals, beasts, insects and snakes. Such an artificial environment is primitive and basically in harmony with the natural environment. In the agricultural era, buildings, single system, combination, proportion and detailed decoration have reached a very high level. This era has built a world-famous cultural city. The composition of that space is very harmonious with the natural environment. Because the heating equipment inside the building is relatively primitive, there is little harmful emission to the outside except for the natural resources consumed by the building itself. Combined with the limited population, the building scale is relatively small. Productive buildings are basically agricultural water conservancy facilities. Therefore, while promoting the development of human society, the artificial environment in the agricultural era, although the quality of human life is still at a low level, has basically realized the harmony with the natural environment. In the era of industrialization, human production methods have undergone revolutionary changes. The use of machines has greatly liberated productivity. The high speed of production promotes the development of social division of labor. The trend of urbanization has brought about a sharp increase in the types of buildings. The functional requirements of architectural space are more and more complex, and the traditional architecture in the agricultural era is difficult to adapt to the new functional requirements. The necessity of function promotes the birth of architectural theory. Statements such as “form follow-up function” and “home is a living machine” have become catalysts for modern architecture.

3.2 Transition Stage of Diversification

As an indispensable part of buildings, its professional development depends on buildings. The green ecosystem is still in the experimental stage. The “ecological architecture” we see in the world today basically refers to two states. The former uses terrain features to minimize the possibility of space; volume generated from the ground; landscape elements close to the natural landscape for building development. Or, to integrate with nature, use the ecology created by landscape change and residential buildings. The latter is to use the evolution of high-tech schools to build high-performance facades and bioclimatic roofs for buildings. Or, technology that uses natural elements

to apply directly to the building itself. These exploration buildings scattered around the world reflect the future development direction. Even if these concept buildings are expanded, it will take a while to make the popularization become the mainstream of large-scale buildings in society. Of course, the interior decoration design, as a turning stage, cannot surpass the development of buildings. Therefore, it has become a representative feature of the times. During this period, interior decoration design should first realize the change of concept. If the technical conditions permit, please use the concept of green design to create a variety of styles that meet the requirements of the times.



Fig.2 Interior Design View

4. Conclusion

In terms of the above, with the progress and development of society and the improvement of people's living standards, the requirements for interior design are also higher and higher. Healthy, green and environmental protection design will be the only choice for interior design in the future.

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