

Landscape innovation practice of health industrial park under health and wellness model

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Abstract. In response to the strategy of healthy China, this paper reviews the practice of landscape art in medical industrial parks from the perspective of relevant policies of China's medical industry. Taking Yifang Tiannian Smart Medical Industrial Park in Shenyang New District as an example, a concrete and feasible design scheme of medical industrial park is proposed, and the concept, strategy and method of landscape design of medical industrial park are discussed step by step from conception to concrete design, which provides a useful reference for similar projects.

Keywords: Medical industrial park; Landscape art practice; Innovative strategy.

1. Introduction

The health care model is a multi-dimensional and cross-field concept, usually the integration of health and health care, the core of which is that the maintenance and promotion of life is a lifestyle or activity collection to maintain physical and mental health, and the health care industry is the sum of various related industrial sectors that provide health care products and services to the society. Medical industrial park refers to the industrial park that drives the development of the medical industry with digital technology, improves the efficiency and quality of medical services through information technology, big data, artificial intelligence and other means, and promotes the digital transformation of the medical industry in the world, the development trend of digital medical industrial park is becoming increasingly obvious, and more and more countries and regions begin to pay attention to and support. By improving the quality of the park, promoting innovation and collaborative development, enhancing brand image and popularity, promoting harmonious coexistence with the environment, and enhancing social responsibility and sustainable development ability. The landscape design of medical industrial park is not only the embodiment of beauty and comfort, but also an important part of the overall quality of the park. A well-designed medical industrial park can attract more medical enterprises and scientific research institutions and professionals to settle in, thus promoting the rapid development of the park. Through reasonable landscape design, we can create a pleasant working environment and living atmosphere, improve the quality of life in the park and employees' job satisfaction, and then enhance the overall competitiveness of the park.

2. Principles of landscape planning and design of health industrial park

2.1 Ecological priority, green development

At the beginning of landscape design, the design concept of ecological priority and green development should be established by introducing a large number of green vegetation and ecological elements to create a green, ecological and environmental protection environment of the industrial park and provide comfort for employees. Pleasant working environment, in the face of nature and science, life and time, the use of modern expression means and the characteristics of medical and health industrial park art design.

2.2 Wisdom sharing, innovation driven

As a representative project of the smart medical industry, the medical industrial park also integrates the concept of wisdom sharing in the landscape design. Through the introduction of advanced

scientific and technological means, such as intelligent lighting and intelligent irrigation, the intelligent management of the park can be realized, the overall operational efficiency of the park can be improved, and shared Spaces such as rest areas can be created Exchange areas, etc., promote communication and cooperation between employees, stimulate innovative thinking, and promote the innovative development of the health industry.

2.3 Life and health, the theme is outstanding

Considering the health industry characteristics of the project, the theme of life and health is highlighted in the design. Through landscape elements such as open water fountains and tree array, a healthy, energetic and positive atmosphere is created to strengthen the theme of life and health, so that employees can accept the influence of health culture in a subtle way. In combination with the theme of life and health, create a creative area of life art, invite artists and designers to create sculpture mural installation art with the theme of life and health, add artistic atmosphere to the park, integrate the concept of life and health into artistic creation, stimulate innovative thinking, set up a green and healthy life market, hold health lectures and workshops, and improve the public's health literacy. Provide a comprehensive health park integrating leisure education experience and creation to understand life, learn health knowledge, and enjoy a green and healthy lifestyle.

2.4 Intelligent function space

In the landscape planning and design of health industrial park, the application of functional space is crucial. It is not only related to the operation efficiency of the park, but also directly affects people's health experience and ecological environment quality. The specific application of functional space in landscape planning and design of health industrial park is discussed Natural landscape elements such as walkways are closely integrated with the functional space of the park, forming an integrated green infrastructure network around the theme of life and health, creating a distinctive functional space to provide a full range of health services for researchers and residents in the park to design an ecological leisure walk meditation garden Healing Spaces such as rehabilitation garden, using natural landscape and horticultural therapy to help people relieve stress and restore physical and mental health combined with the natural landscape and cultural characteristics of the park, create outdoor leisure areas with distinctive themes, create innovative and ecological health industrial parks, and provide strong support for people's healthy life and scientific research and innovation

3. Three health industrial park innovation practice

Since the birth of industrial parks, domestic scholars have formed a wealth of research results on the status quo and development countermeasures of industrial parks. Transformation and upgrading is the main means to achieve further development of industrial parks. (1) In the development and operation of industrial parks, it is necessary to base on the functional positioning and industrial planning of the parks, and combine the infrastructure construction and long-term planning of the parks. Strengthen the flexibility of land use and plan the adaptability to the market. (3) Make reasonable layout of landscape space, pay close attention to the needs of users, and create a multi-functional green composite space for office and leisure. Landscape design aims to create an artistic and modern park environment with a sense of future experience, and pursue production in green and leisure in work As Liaoning Province's big health data application center and Northeast China's big health industry cluster highland, its landscape design not only reflects the concept of ecological wisdom sharing, but also actively explores the needs for industrial transformation through industrial innovation in the health industrial park Based on the comprehensive analysis of functional improvement needs and spatial optimization needs, the paper studies the strategies and methods of demand-oriented industrial park planning. (4) Existing production-oriented industrial parks will realize the transformation of organizational mode and spatial structure, while innovative parks will

play a role in urban spatial organization and integration of industry and city and network construction in various forms (5).

3.1 Landscape and life health theme integration

In the design, fully considering the theme of life and health, plants with medicinal value and ornamental value are selected for planting. These plants can not only beautify the environment, but also provide certain health benefits for employees, such as purifying the air and regulating the climate. At the same time, a harmonious order is created through carefully designed tree array and flower beds. Efficient enterprise atmosphere, so that employees in the busy work can also feel the peace and beauty of nature in order to enrich the green landscape hierarchy and ornamental, the project team also introduced a variety of flowers and ground cover plants, such as cherry blossom, begonia, iris and other flowers and ground cover plants are not only rich in color. It can also show different landscape effects in different seasons, so that employees can feel the beauty and vitality of the park in the four seasons. In addition, it should also pay attention to the sustainable development of the green landscape and choose drought-tolerant, cold-resistant, disease-resistant and pest-resistant plant varieties for planting to reduce the dependence on fertilizers and pesticides. At the same time, through scientific management and maintenance, to ensure the long-term stability and sustainable development of green landscape.

3.2 The integration of intelligent medical elements

As a representative project of smart medical industry, Tiannian Smart Medical Industrial Park in Shenfu New District has also integrated smart medical elements into the landscape design. They provide a convenient and efficient health monitoring and exercise environment for employees by introducing fitness facilities such as smart medical testing stations and smart fitness equipment and smart walking trails. The smart walk uses intelligent sensing and data analysis technology to record the movement track of employees, such as the number of steps consumed calories and other data. Employees can check their own sports data and ranking through mobile apps to stimulate their enthusiasm and enthusiasm for sports. In addition, facilities such as smart pharmacy and remote medical consultation room are set up in the park to provide more convenient for employees. Efficient medical services.

3.3 The combination of interactive experience and popular science education

In the landscape planning and design of health industrial park, the combination of interactive experience and popular science education is crucial. This combination can not only enhance public participation and learning interest, but also effectively disseminate health knowledge and improve people's health awareness. In order to enhance employees' sense of participation and belonging, interactive experience and popular science education elements are integrated into landscape design. Interesting fitness facilities are designed in a gamified way to encourage visitors to learn popular science knowledge in interactive experience and deepen their understanding and memory of health knowledge through practical operation and personal experience. The combination of interactive experience and popular science education is of great significance in the landscape planning and design of health industrial parks. Practical experience, thematic exhibitions, lectures, workshops and popular science materials can create an interesting and educational health industrial park, which not only helps to enhance public health awareness and health literacy, but also promotes the sustainable development of the health industry.

3.4 Paving features and space guidance

According to the current planning, the design divides the division of the industrial park into three Spaces, namely research and development space, office communication space and welcome exhibition space. In the pavement design, grey is chosen as the main color, and a simple modern and fashionable landscape effect is created through different material textures and color matching. The

gray paving not only harmonizes with the overall architectural style of the park, but also visually forms a sense of unity and hierarchy. By setting traffic flow lines such as walking paths and bicycle paths and sidewalks of different widths and heights, it guides the reasonable distribution and flow of people and vehicles. At the same time, different paving patterns and textures are set to create different landscape effects and atmosphere. Eye-catching paving signs and signs are set up to help visitors quickly find their destination and understand the overall layout and functional zoning of the park. These paving signs and signs are not only beautifully designed and easy to identify, but also form visual highlights and focal points to enhance the overall image and quality of the park.

The design space structure can be summarized in four words, which can be used to welcome visitors to the south side of the welcome lift and live welcome direction. The design adopts the combination of landscape structures and static water surface to create an entrance display space, and fully considers the attraction and accessibility of people and vehicles. Transformed the circuit board in the direction of the line, the use of the combination of lines and points, the nodes are crisp corners, clean and regular bricklaying, fine and uncomplicated connections around the main body of the building, people on it like a grain of flowing electrons, creating a dynamic sense of science and technology.

Reflecting the welcoming atmosphere of the area refers to the main axis landscape. As a key display area, the main axis as a whole is based on visual landscape design techniques. The function of both passage and rest refers to the development of the surrounding landscape of the space and office building, and the use of the surrounding landscape of the office building to guide the line of sight to achieve the design purpose of guiding the line of sight. It refers to the office communication space, combined with the surrounding landscape of the building, using the linear green space around the plant to create the plant landscape corridor of the park, using the ginkgo tree array to create the atmosphere of the atmosphere of the atmosphere of the modern natural ecology, under the tree is equipped with stone chairs and planting pools, and at the same time, creating the viewing space for employees and visitors by using the linear green space around the plant to create the plant landscape corridor of the park. Starting from the humanistic nature of functional service, the park adopts low-cost and sustainable plant planting strategies, retains native plants, sorts out the middle and lower layers of seedlings, and implants native plant varieties with strong tolerance and suitable for the park.

4. Conclusion and perspective

The Tiannian Smart Medical Industrial Park project of Yifang in Shenfu New District has made active exploration and innovative practice in landscape design and created a green, intelligent and efficient industrial park environment by introducing the concept of ecological wisdom sharing. By integrating smart medical elements and interactive experience elements, it promotes the innovative development of the health industry; By improving the image and quality of the city, it has made positive contributions to the modernization and international development of the city. In the future, with the continuous progress of science and technology and the increasing demand for health, the landscape design of the life and health industry base will pay more attention to the innovation of ecological wisdom and humanization. The development concept of green sharing, constantly optimize and improve the landscape design scheme, and provide more powerful support and guarantee for the innovative development of the health industry.

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