
Value Analysis of Intelligent Sports Park

Ma Yan, Ding Bin, Meng Fanhui, Li Xia

Heilongjiang Bayi Agricultural University, Heilongjiang Daqing, 163319 China

Abstract

This article starts with the major changes in the main social conflicts in China, from the implementation of the national fitness program and the healthy China strategy, and promotes the deep integration of the Internet, artificial intelligence and entities to create a carrier of sports and leisure complex. Study how to build an intelligent sports park, promote the conscious fitness of the whole people, the convenience of the whole nation, the science and fitness of the whole people, the civilized fitness of the whole people, and strive to make the masses of the people have more sense of gain and to aspire the people's good life for fitness as a goal. To meet the growing diversified sports and fitness needs of the people as the starting point and the foothold.

Keywords

artificial intelligence; sports; fitness; value.

1. Introduction

The intelligent sports park is based on the concept of universal science and fitness. It uses the concept of "Internet +" to create a new type of sports park. It integrates leisure and fitness, sightseeing and ecological protection with ecological construction, intelligent management, scientific guidance and interactive experience. Multi-functional composite city iconic public sports facilities. Through various emerging technology applications such as "Music Fitness and Mentality" and "Intelligent Management of Equipment Maintenance", relying on the support of back-end systems, scientific fitness cloud guidance and intelligent management of sports parks are realized. The intelligent sports park has just started in China for about 2 years, and there are few related literatures on its research. Most of the researches focus on the study of sports parks. Therefore, in order to conduct in-depth research on the functional value and planning of the intelligent sports park, it is necessary to build on the development status of the sports park, the actual needs of the national fitness and the health of the whole people, and the existing level of the sports public service system. Analyze the development prospects of the intelligent sports park, and make constructive opinions on perfecting the sports public service system with its reasonable and scientific planning and design.

2. Research status of sports parks

2.1 Classification of sports parks

The types of activities in the sports parks are rich and varied, and the types of sports parks vary according to different construction purposes, different geographical characteristics, and different surrounding environments. In the book "Urban Park Landscape Planning and Design", Cai Xiongbin classifies sports parks according to their service scope, theme, function and activity.

Table 1. Sports park classification

Classification	Type	Characteristic
By service	Regional sports park	The service radius is the largest, the traffic accessibility is the strongest, the function is the most perfect, and the management is the most advanced.
	Municipal sports park	The service radius is smaller than that of the regional sports park, and the traffic accessibility is strong.
	Regional sports park	The service radius is limited to one area within the city area, and the traffic accessibility is poor.
	Community sports park	The community sports park has the smallest service radius, and the general service radius is limited to several adjacent community groups.
By topic	Water sports park	The theme sports parks have the characteristics of large area, single service group and strong professionalism. Therefore, such sports parks generally charge relatively high fees and only serve the people who love a certain sports.
	Forest sports park	
	Racing sports park	
	Golf sports park	
	Ski sports park	
By function	Comprehensive sports park	The function is complete, the floor space is large, the traffic accessibility is strong, and the professionalism is also very strong.
	Training sports park	It is mainly used for training athletes in the country. Its main feature is its strong professionalism. This kind of sports park is generally not open to the masses.
	Competition sports park	There are many competitions, so the focus of this kind of sports park is that the sports facilities must be professional, and the operation management should be advanced.
	Performance sports park	Highly ornamental, this type of sports parks in China is still rare. Such sports parks have higher fees and a single service group, so their development is relatively slow.
	Healthcare sports park	More professional, it involves not only the sports profession but also the medical profession.
	Leisure and fitness sports park	Most of China's current stage is casual and fitness.
By nature of activity	Competitive sports	Professional, sports facilities have certain specifications and requirements
	Amusement sports	Poor professionalism, some do not even require professional sports facilities
	Fitness and health activities	Very strong purpose, its main purpose is nothing more than weight loss shaping, muscle strengthening, health, etc.
	Challenging sports	Rock climbing, skateboarding, rafting, cross-country, surfing, speed skating, downhill, mountain biking, etc.

2.2 Status of development and research of domestic sports parks

The emergence and development of sports parks in China is based on the development of China's economy, the improvement of people's living standards and the people's higher pursuit of healthy living. Sports parks generally have more complete sports and fitness facilities. They combine the

ornamental and practicality of urban green space, with the theme of fitness and leisure, with beautiful environment and sports facilities as the carrier, integrating sports, sports, fitness and health. A multi-functional complex that can be used for sports, leisure, competitions, and other activities. The completion of the sports park is not limited to physical exercise and leisure and entertainment functions of the park. It can also promote the development of the region, reflect the improvement of the urban development concept, become a new landmark of urban development, and bring new life experience and enjoyment to the people. Just like the city's "sports version of the living room", it serves the public while improving the city's taste. The sports park has become popular in the past two years. There are sports parks of different scales in various provinces and cities across the country, and it is gradually becoming a new landmark of various provinces and cities. In the future, it will become a new outlet for the construction of sports public facilities.

The research and exploration of sports parks in China is still in the exploratory stage. In recent years, it has just become a hot topic in the study of philosophy and social sciences in China. The research mainly includes the introduction of sports park cases and the planning and design of sports parks. These articles have analyzed the case in detail from the aspects of site status, site area, functional division, design concept, traffic design, and vertical design. There is also a part of the literature on the overall study of sports parks, and a detailed description of the planning and design methods of sports parks. In addition, some journal articles have conducted a simple and incisive study of the general situation of sports parks.

All in all, although the development of sports parks in China is fast, at present, the development of sports parks in China presents problems such as uneven regional distribution, lack of standard guidance, low total amount, low utilization rate, and poor management and management. Therefore, it is extremely necessary to study the planning and design methods of sports parks.

2.3 Research on foreign sports parks

From the 1990s, the concept of sports parks was proposed. The developed countries have carried out a lot of practice, and accumulated valuable experience in this process. Through research and summary, some problems in the construction of sports parks in China can be solved.

The British Sports Park, in the planning and theme setting of sports, fully considers the love and needs of local users, and has a complete supporting service system. In addition, there is a fitness club to enhance the appeal to various sports enthusiasts.

Most of the American sports parks are built in coastal areas, with balls and racing being the most popular. The planning and design of sports parks in the United States is convenient for nearby residents, and the leisure is more prominent. Here, the competitive nature of sports is weakened. In addition to sports, summer camps, family gatherings, team building and other activities can be carried out to increase social exchanges. Pay special attention to the cooperation between the garden environment and sports projects, and be scientific.

The overall layout of the French sports park and its integration with the original terrain often conveys a novel design concept while embodying the characteristics of French modernist gardens.

Japanese sports parks, unlike traditional sports parks, offer small-scale facilities for the elderly and sports knowledge-deficient people, and convey the humanistic care for the socially disadvantaged groups. This is a far-reaching country in Japan.

3. Research and Analysis on National Fitness, National Health and Sports Public Service System

At the National Health and Wellness Conference in August 2016, Xi Jinping put forward the strategy of "putting people's health in a strategic position of priority development", "integrating health into all policies", and "promoting the fitness of all people into the health of the whole people". Combined with the national health strategy. The "Healthy China 2030" Planning Outline promulgated and implemented in 2016 is aimed at "improving the physical fitness of the whole people" and puts

forward the "improvement of the public health service system and the extensive development of the national fitness campaign. The party in October 2017" In the report of the 19th National Congress, it was proposed to "extensively carry out national fitness activities and accelerate the construction of a strong country in sports. Put forward the "Implementation of a Healthy China Strategy" and pointed out that "people's health is an important symbol of national prosperity and national prosperity", which reflects the party's understanding of the important value and role of national fitness and national health to a new height.

Dong Chuansheng pointed out in the "Two-track Parallel" Strategic Model of Sports Integration into Big Health: Healthy China Governance, "The Healthy China 2030 Plan" is a national strategy to actively respond to the social health governance problems caused by the changes in modern lifestyles. The key to the realization of this strategic goal is not the increasingly complete passive health care system, but how to build an active conservation sports health governance system. On the basis of constructing the "double-track parallel" strategic model of "big sports" + "health" for large health governance, rebuild the big health governance system and realize the path.

Shi Xiaoqiang's "Building and Empirical Research on the Performance Model of the National Fitness Public Service in the New Era——Based on the "Measurement of People-centered Value Orientation"" points out that the new era "people-centered" national fitness public service performance concept follows Public value aims to mobilize and seek a wide range of resources beyond the government, including markets, society and citizens, and ultimately achieve the goal of improving the performance of public health services. Suggestions for the improvement of the performance of the national fitness public service in the new era: (1) Establish a departmental coordination mechanism to broaden the democratic channels of public service for the public; (2) Promote the balanced allocation of resources and improve the quality of public service for the whole nation; (3) Develop information technology capabilities and improve the public. Fitness public service efficiency; (4) Strengthen policy implementation and respond to public public health public service concerns

The development track of public sports service research in China is mainly influenced by the national policy orientation and the demand of local public service practice for theoretical research. The increase of research literature has a high degree of fit with the introduction of sports policy and the holding of large-scale sports events. It is in line with the practical needs of accelerating the construction of public sports service systems throughout the country. It can be said that with the policies promulgated by the party and the state, as well as the research and discussion by experts and scholars, it shows that the national fitness and the health of the whole people play a decisive role in the development of the country and the rejuvenation of the nation. There is no national health and no comprehensive well-off society. The health needs people to achieve the goal through subjective fitness, and the sports public service system also objectively protects the needs of people's fitness.

4. Current status of intelligent sports park

The difference between the intelligent sports park and the general sports park lies in the integration of intelligence, leisure and comfort. A set of intelligent systems can meet the athletes of different levels, ages and needs, saving space and saving space. Can achieve good results.

The first intelligent sports park in the country is located in Lishui District, Nanjing. It is the "all-people intelligent sports park" built by Nanjing Wande Company in 2016 using "Internet + Sports Equipment" maintenance management system. It is the first new intelligent sports park in the country. Its advantages are:

- (a). Free WiFi is available throughout the sports park;
- (b). The park uses a cage-style multi-purpose sports field design. It can play basketball, play football, and play pulleys and square dances on the same field. The multi-functional basketball stand adopts an integrated structure, the human body automatically senses the light, controls the whole process intelligently; at the same time makes full use of solar energy charging, the single-running lighting

time is up to 5 hours, energy saving and environmental protection; and the basketball stand only needs the original equipment Based on intelligent modification, the upgrade is convenient and the cost is low.

(c). The intelligent music fitness trail is a highlight of the smart experience park. Enter the basic indicators such as gender, age, height, and weight on the device at the starting point, and then start to enjoy the fun with different music beats. At the end of the exercise, you can easily get fitness data such as the number of steps and calories.

(d). All fitness equipment has a QR code. You can see the construction time, date of construction, location, and video of the sports equipment by using the mobile phone WeChat to scan the QR code. There is also a repair button at the bottom of the page. There are a variety of reasons for the repair reasons. The repairer can also take photos and upload images to the platform. After receiving the repair information, the maintenance personnel will complete the repair within 1-3 working days, which greatly shortens the repair time of the public fitness equipment.

(e). The intelligent speaker control system can be directly connected via a USB flash drive or a mobile phone to play the music required by the exerciser in real time to achieve an interactive effect.

Sports parks like this are gradually being promoted nationwide, and many smart products have been used in the upgrading and transformation of sports parks. In the future, the intelligent sports park will also be equipped with a body measuring wall, simple detection points and a physical quality detection cabin, which can detect blood pressure, body composition, national physique, bone density, arteriosclerosis, lung function, etc.; The unique directional digital audio technology projects sounds like a flashlight in a designated area, so that the sound does not disturb the people. It can also solve the problem of mutual interference of multiple dance teams and multiple activities at the same time in the square, and the equipment is also Remote booking of the dance floor, dance team management, dance selection, lighting and sound, video control, etc. can be realized through the mobile phone APP.

5. The development prospect and research value of intelligent sports park

General Secretary Xi Jinping pointed out in the report of the 19th National Congress that "the main contradiction in our society has been transformed into a contradiction between the people's growing need for a better life and the development of inadequate and unbalanced development." The main contradiction in this new society is to judge Chinese characteristics. The scientific basis for socialism to enter a new era is also an important feature of the new era. The main contradictory changes reflect the transition from the contradiction between supply and demand at the lower level to the contradiction between supply and demand at the middle and high level, from the contradiction between supply and demand of "quantity shortage" to supply and demand contradiction of "quality shortage". Therefore, the academic value of the research on intelligent sports parks is reflected in the transformation logic of the main contradictions in the new era society. From the broad masses of the people to the good life of fitness, it is the starting point to explore the path of major social contradictions, with "Internet +" and artificial intelligence. For the carrier to investigate and discuss the current development status, future development trend and functional value of the intelligent sports park, compare the intelligent sports park with the ordinary sports park, analyze the advantages of the intelligent sports park, and carry out the planning and design of the intelligent sports park. In-depth discussion; the application value is to continue to integrate new projects and supporting facilities on the basis of the existing well-built intelligent sports parks, to promote the development of the "Internet + Intelligent Sports Park" model, and to explore the path of major social contradictions.

6. Summary

This project is not to create a certain product under "Internet +", but to study how to intelligently set the intelligent products under these "Internet +" according to the actual situation of the sports park, so as to make intelligence The organic integration of products and sports parks has become a whole,

with reference to the planning, design, construction, transformation and upgrading of intelligent sports parks.

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