

Problems Existing in the Construction of Urban Smart Communities in China

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Abstract:

At present, with the acceleration of the Internet informatization process, the rapid development of intelligent equipment, and the development of smart city, the construction of smart community has become an essential link. However, although network information technologies such as big data can easily build smart communities, it also bring unprecedented challenges to the construction of smart communities. Using the new public management theory, the new public service theory and the governance theory, this paper deeply analyzes and discusses the current situation and causes of the intelligent community construction in China, and puts forward its own feasible countermeasures. At present, the intelligent community construction has made great progress, mainly reflected in: community infrastructure construction, community planning increasingly standardization, systematic, management more refined, intelligent, community evaluation mechanism increasingly scientific, democratization, etc., but also exist the urban intelligent community construction system support, information security law does not reach the designated position, intelligent construction and professional construction needs to be strengthened.

Key Words: *Smart community; Community Governance; Urban smart community; Intelligent community construction*

Under the general trend of artificial intelligence development and actively responding to the national policy call on building a "smart city", new and old real estate and real estate properties across the country are holding high the slogan of creating a "smart community". Driven by the Internet of Things, under the rapid development of smart devices, with the continuous advancement and development of smart cities, the construction of smart communities will also become an indispensable part of us.

1. Problems in the construction of urban smart communities in China

Urban smart community refers to a stage of smart city development and construction. With the development of the smart era, the construction of the city has developed to the stage of smart community. Smart communities are a technical means to improve the quality of living in residential construction. With the development of the times, the people's living standards continue to improve, people's demand for the living environment is also constantly improving, green, healthy, safe, comfortable, leisure, convenient, fast, information communication with the outside world, as well as perfect property management and community services, is the goal that people continue to pursue.

1.1 The guidance system for community building is not sound enough

Some developed cities in China have begun to establish smart communities, but the development of smart communities is not so in line with our expectations, because it has not yet established a unified system and standards in the development, the imbalance of resources and information in different communities,

resulting in the lag in the construction of smart communities. For example, blind imitation in some places, the lack of regional characteristics, the low level of understanding of residents, and the lack of participation of other relevant personnel make the construction effect of smart communities not obvious; The actual situation of some communities is inconsistent with the actual situation, lacks operability, ignores the use of community public services, and makes the human, material and financial resources of the community cannot be rationally utilized.

1.2 Residents' participation in the construction of smart communities is low

Although the smart community has built a government convenience service platform based on norms, the participation of residents is not high. On the one hand, residents lack sufficient attention to smart communities, 41% of people do not understand smart communities, 44.6% of people are not familiar with smart communities, and 16.3% of people understand the construction of smart communities; On the other hand, residents are less motivated to participate in "smart communities", with 30% of residents never participating and 24% regularly participating in community activities.

1.3 There is a lack of consultation and cooperation among community construction entities

The construction of smart communities requires the participation of governments, communities, social organizations, residents and other forces. Advanced information technology is available at all levels and levels of the community and is willing to help social workers reduce unnecessary work pressure, thereby improving the efficiency and quality of community work. Due to their busy work, individual residents do not have much time and energy to engage in social construction and social welfare undertakings, but they have many practical problems involving their own interests. At present, the current situation of the construction of smart communities in China is that the government has an irreplaceable absolute leadership role, while other construction entities are passive, resulting in the difficulty of close coordination between various subjects.

2. Analysis on the causes of problems in the construction of urban smart communities in China

2.1 The construction of the system lags behind the process of informatization

China's community grid management "politics and society are not separated", in community governance and community governance, the government still plays an important role. Community grid management pays more attention to fine management, and through the division of the community, the use of efficient comprehensive service platform, effectively realize the timely and efficient handling of community affairs. This process focuses on the coordination of the various implementing units of the government, rather than the active participation of various public and private organizations, organizations and individuals. The main administrative issues remained to be resolved by government officials.

2.2 Insufficient construction of intelligent infrastructure affects the level of intelligence and lacks financial security

With the development of Internet of Things technology, smart home products, automatic meter reading technology, smart home appliances and other Internet of Things technology has penetrated into the society and various families, smart applications are becoming more and more popular, smart home has become the most promising industry. At present, many community applications are combined with Internet of Things technology, in the stage of planning or experimentation, and the application of the Internet of Things has not yet been fully developed, and the development of smart communities is still in its infancy. In the newly built real estate, there is no problem with equipment and hardware facilities, but in some old-fashioned residential

areas, it is difficult to develop smart communities. For example, the monitoring of the previous community, many of which are simulated, can not be connected with the current digital signal, a renewal will cost millions, and the landlord can not pay, the government will not pay, which makes the development of smart communities have been greatly restricted. For example, an old man walking around his home, the monitoring equipment in the community can help him locate, but these old cameras can not communicate with his mobile phone, which is a big problem.

2.3 Smart community products and technology solutions are not yet perfect

At present, the level of "intelligence" is not high enough in China. At present, the anti-theft alarm device of some security products will only be activated when there is no one at home, and when the residents return home, the anti-theft alarm system should be turned off, otherwise the wrong alarm will be generated. In fact, at night, balconies, windows, etc. must have defensive measures, so it is necessary to improve the intelligence of the product, lock the monitoring range, and design security systems according to different environments.

In recent years, China's urbanization process has accelerated, the floating population has increased, the urban population has grown rapidly, and the population density has continued to increase. As the basic unit of a city, it carries a lot of demographic pressures, and its composition is increasingly complex and diverse, which puts new demands on its management. Based on the new century, this paper takes the construction of smart communities in China as the research object, combined with the current theory of smart community construction in China, and discusses from four levels: First, from the relevant aspects of "community", "smart community", "smart community construction" and other related aspects, the current situation of the development of smart communities and the foundation of construction in China are deeply analyzed; Second, this paper starts from the current construction status of urban smart communities in China, and tries to find some practical problems that have emerged in the construction of urban smart communities in China and have been plaguing us; Third, conduct a deep-seated analysis of the causes; Finally, this paper proposes improvement measures for the actual situation of urban smart communities in China, in order to promote the construction of smart communities in China, so as to better meet people's yearning for a better life. This paper selects typical cases and runs the institutionalized, rule-of-law, intelligent and professional construction into all aspects of community governance, which has important theoretical and practical significance for building a harmonious and shared community governance pattern and promoting the modernization of community governance. It is hoped that it can provide reference for the construction of urban smart communities in China.

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