





The background of the construction of a new Internet of Things smart city

New technologies, such as the Internet of Things and big data, play an important role as important helpers in building smart cities

Big Data and Smart Cities

- ◆ Smart cities based on data acquisition, storage, connectivity, communications, and analytics, or big data technologies.

Internet of Things technology

The Internet of Things and Smart Cities

- ◆ Big data collection needs to invest a lot of physical equipment and manpower, the data barriers between companies and departments make data collection as a whole show a high-cost, inefficient situation.

Big data technology

Upgrades in sensing and measurement

- ◆ Cities become more thoroughly sensing and measuring. Today, we are able to measure, sense and monitor almost everything in the world.

Inductive Measurable

Digital connectivity

- ◆ People, systems, and objects can interact in new ways. For the first time ever, almost everything in the world is becoming digital and more fully connected.

New. How to interact

The development of a variety of new technologies, gradually unblock the blood, through the veins, began from the local to the whole, the activation of smart city.



Typical smart city

The sum of a series of solutions proposed after intelligent and digitalization in urban management through digital technology

Use advanced technology and a community-based approach to crime prevention and emergency prevention for greater security on a lower budget.

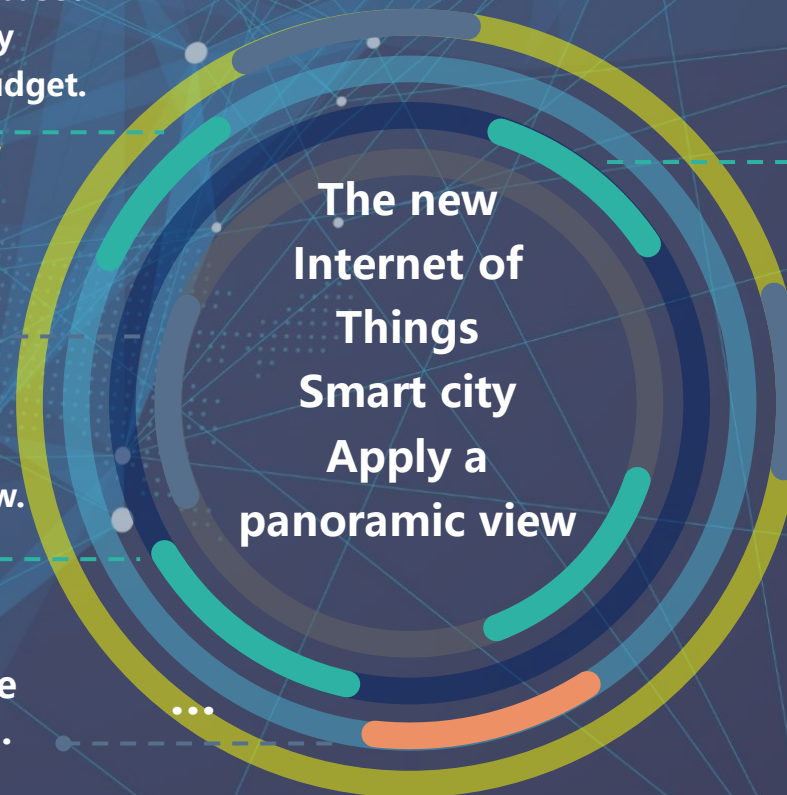
Intelligent public safety

Intelligent transportation

Integrate intelligent systems into transportation, improve drivers' peers, improve travel quality, and reduce traffic flow.

Smart medical care

Provide better health care, effectively predict and prevent disease, reduce the burden on the health care system, and make smarter health choices.



Intelligent government service

Improve information sharing and collaboration across departments, suppliers, and organizations to help citizens get better service.

Education of wisdom

To establish the education system from a systematic perspective, to evaluate students from a comprehensive perspective, to improve the overall quality and ability, and to help cultivate more valuable human resources.

Smart energy and electricity

Provide real-time information on energy flows to help citizens and power companies make informed decisions that effectively reduce energy consumption by 15%.



The current construction of smart cities is a pain point

◆ The integration of sub-solutions in the vertically built smart city is not high

- ◆ Different industries within the city, including transportation, education, health care, public safety, etc., are more or less promoting a certain degree of industry-wide information sharing and data analysis. However, from the cross-industry, that is, the entire city-level governance sharing, especially the sharing and development of data resources is still in the exploration stage.

The vertical construction fusion degree is low

The parties involved have a poor sense of access

Digital economy penetration is lacking

Other.....

◆ Urban residents do not have a prominent sense of "access" to the construction of smart cities

- ◆ The sharing economy is an important component of the urban mobile Internet industry, and in 2018 China's shared economy transactions reached 2942 billion yuan, an increase of 41.6% over the previous year. Due to the scale of the platform economy, localized mobile Internet enterprises are difficult to survive.

◆ The digital economy is not pulling enough of the local economy

- ◆ Smart city in the city residents can directly feel the public service field investment is not enough, public finance purchase industry supervision and government information proportion is high, Alipay, WeChat and other third-party service entrance docking less, although there is code up, wisdom Wuxi and other local services APP, but the lack of familiar public service mobile platform portal and brand applications, "people, people" experience is weak.





A sign of high-level smart urban development



1. Free resources

✓ **Tangible products or intangible services**

✓ Efficient platform sharing with the Internet and other information technologies



2. Share the platform

✓ **Not limited to resource-based sharing services**

✓ **It also covers production-based shared services to engage everyone**



3. Participation of all

✓ **Realize the leap from a shared economy to a shared city**



∞. Shared cities

—Based on the higher stage of smart cities in the sharing economy

1.0
Shares.
Econo
mic.



2.0
Shares.
City.





Share the meaning of the city

From the "interoperability" of the people to the upgrading of shared cities

民

From tangible resources to intangible time- and skill-based sharing, such as knowledge, crowdsourcing, customization, collaboration, etc
将闲置资源串联，整合个人和公共服务资源，或创新产品，通过平台供需匹配

政

Limited public finance → unlimited idle resources → urban planning, construction and management innovation
规模经济 + 绿色经济 → 平衡供需 → 社会效率和服务水平，信息费用和交易成本，经济效率和社会效益

企

Optimize service system and efficiency, streamline operating costs, operating costs, in the supply-side reform and "double creation" driven by the development opportunities

经

Emerging technologies → low-cost, efficient → scale effect → resource-driven → service production
Industrial resources integration, → manufacturing, logistics, services, channels, retail, finance and many other industries innovative business

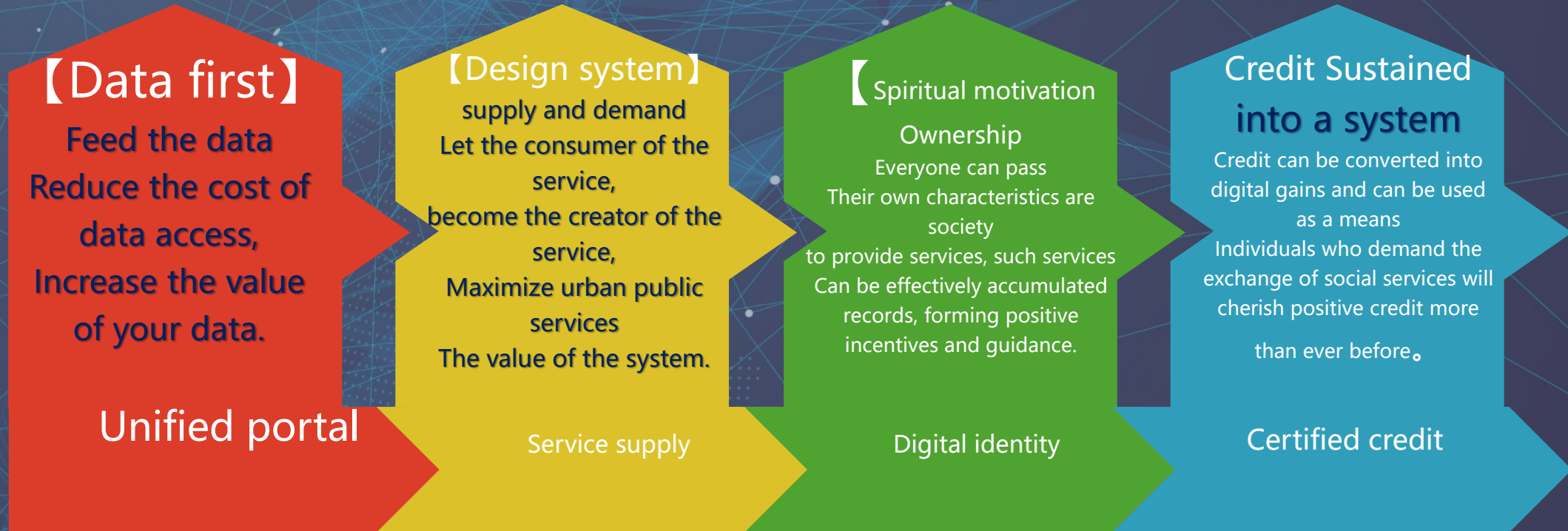
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Individual residents → service providers → active urban builders
People and people, people and cities live in harmony, mutual benefit and development → personal value and development quality improvement → talent gathering, the overall competitiveness of the city to enhance



The implementation of a shared city

Advanced data processing technology, established institutional norms, so that participants share positive incentives to build a benign ecology



- The acquisition of data can not be separated from the application and upgrading of IoT technology;
- After the completion of the system design can be written into the blockchain ledger, to the machine to implement, to avoid human factors and moral risks;
- The rational planning of incentive system and the directional quantitative of credit sustainability can not be separated from the comprehensive use of big data and other technologies.



Share the city in three steps

- ◆ **People:** Integrate public resources and authoritative information to provide localized life services, covering half of the population, more than a million people a day.
- ◆ **Guide:** Issue the Honor System and Points Rules to establish a digital proof system to guide deep participation and form a good ecology.
- ◆ **Autonomy:** User autonomy, deep operation, consensus-based, multi-party connection, interactive resources, reaching services.

Technology ↓ ↑ **Three steps to build**
three steps

- **Internet of Things and Big Data:** Realize information symmetry, match supply and demand, and leverage resources.
- **Big Data and Blockchain:** Data Transparency, Data Asset Screening, Credit Value Transfer, Privacy Security.
- **Blockchain and the Internet of Things:** Build trusted circulation, improve transaction efficiency, reduce transaction costs, and change the mode of circulation



The combination of offline construction and online technology

Share the City Honors Credit System



"Practical rights and interests" in line with the general public

A garden card, a set of traffic charges preferential package, a set of public, rail transit commemorative card...



"Creative Rights and Interests" Suitable for Literary Youth

A special film package, a grand theater business gift vouchers, an easy-to-use practical property rights protection shortcut ...



In line with the "spiritual rights and interests" of the Gaochi elite

A city-level person title, a professional event invitation letter, a kind of attention to the field of current affairs hot push ...



Assisting with the "interest interests" of special positions
A group of professional areas of people-to-people exchange groups, to enhance the hard-working gardeners, white angels work communication convenience and life richness



"Privileged benefits" of auxiliary privileged occupations

Identity and honor QR code, zero impact customs clearance
Identity and honor combination mechanism for regular review and reference



Helping the "integration rights" of new and old citizens

"Sesame Honor" for new and old citizens to quickly understand the system
Honor Rankings gives the sharer's family access to educational resources



The flow model of the honor integral system

- System and personal points can be traced throughout, the total amount and issuance rules can not be tampered with after setting, and there are practical benefits for payment. (e.g. carrier sponsored traffic, paper-media sponsored newspapers and magazines, etc.)
- Redemption of public services and transfer of points to public institutions will be released in accordance with established incentives. (e.g. incentives for learning and employment training, participation in public construction advice collection, etc.)

Admission.	Get.	Value.	Circulation.	Use.	Other.
Real-name certification Sweep the QR code Sign up for entry	Provide information Listen to the politics of the day Participate in learning Respond to the public good Ecological construction	Public resources take precedence Ranked advanced title The spirit of honor inspires	Online interactive purchases Investment in copyrighted works Pledge crowdfunding for the public good	Book and newspaper exchange Redemption of public services Carrier services Garden bus card	Associate or open other programs Choose a third-party public welfare cooperation

[illegible]