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Smart cities and regions.

USING BLOCKCHAIN TECHNOLOGY

BLOCKCHAIN

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Smart platform based on blockchain technology will establish new relationships between people, city services and businesses in various areas of life in the region, reducing financial expenses.

The blockchain allows the following:

Ensures transparent performance and payment for all works performed

Guarantees secure and invariable storage of all reports submitted



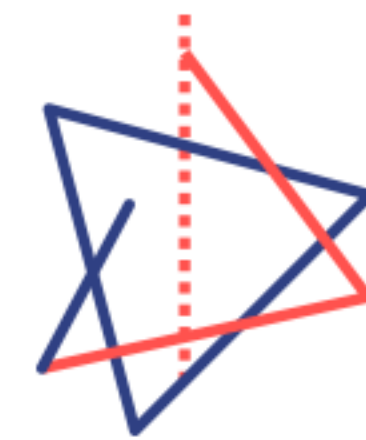
CONTROL OVER REGIONAL SERVICES

Tracking the work of all city and regional services in real time.

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Ministry of internal affairs
(crime rates and high crime-rate locations)



Traffic Safety (rates and locations of road accidents, general traffic condition)



Medical services (rates and locations of calls for medical assistance)



Emergency services



Utility services

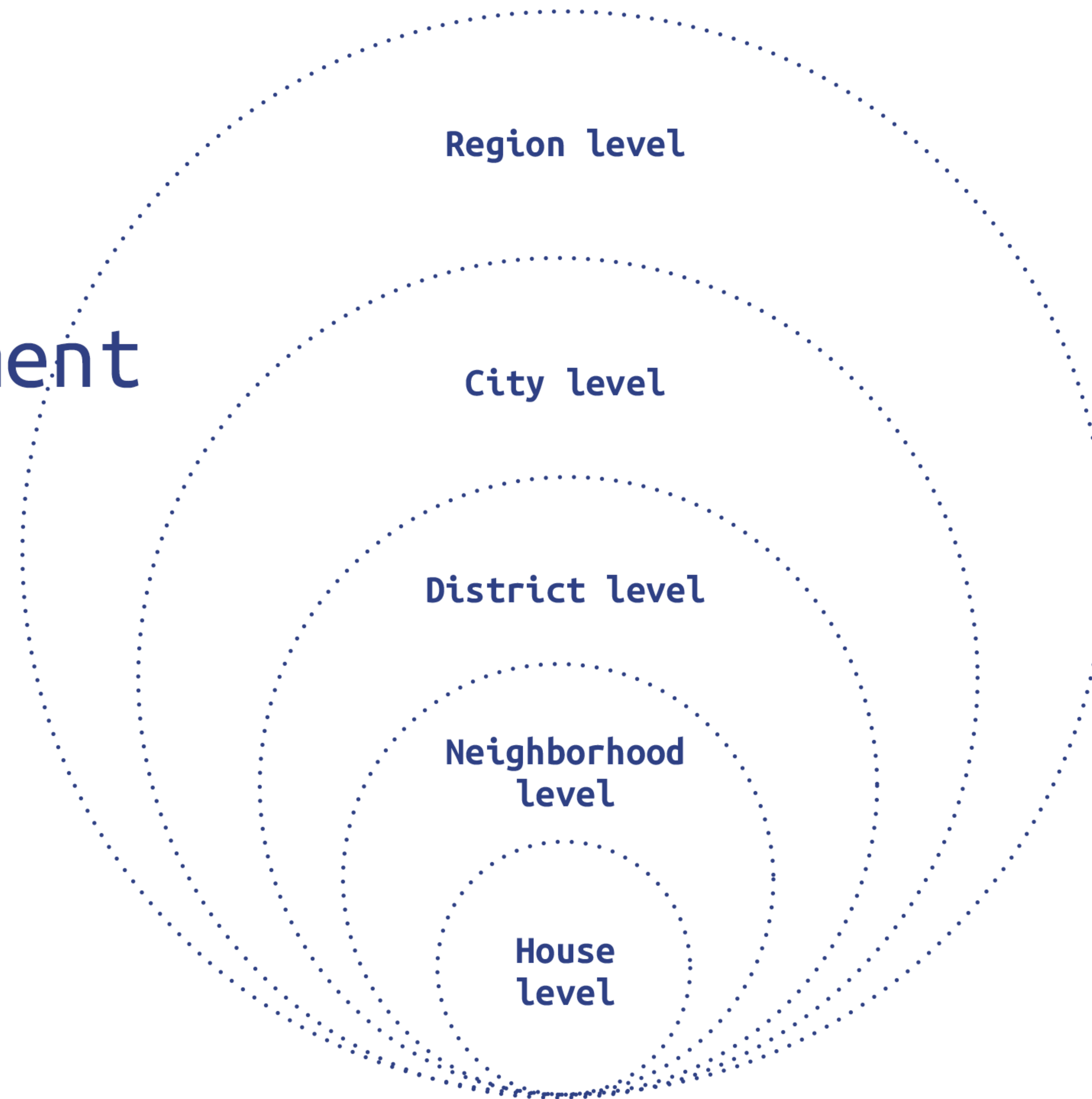
This data is used to produce a regional development strategy.



Smart Management System.

The residents can easily propose projects and initiatives for voting at different levels.

The most important projects for the population can be determined by public vote and sent to a tendering platform.



TENDERS

Tendering platform using blockchain technology.

The tender platform allows placing orders quickly, identifying winners in a transparent manner and closely monitoring every stage of contract performance.

The progress and results of the projects are sent to the city administration and regulators, which helps them monitor every step of performance and prepare detailed reports on the efficiency of local administration.



Housing and public utilities.

Blockchain technology addresses the issue of transparency in fundraising and spending:

Establishes transparent pricing for any invoices

Enables correct and automatic billing for services provided

Implements service contracts, enabling upgrades of infrastructure networks

Engages private capital (e.g., using capital renovation fees)

Helps avoid misuse of funds by management companies

Residents will be able to take part in choosing the priority projects for management companies, based on their importance.



MICRODISTRICTS

Microdistrict residents will be able to take part in the development of infrastructure projects for their neighborhoods.

People living in a residential neighborhood are the best to know what they need for life. This can be a request for social infrastructure or business, such as a convenience store, pharmacy, recreation facilities.

The government could provide subsidized loans to projects that are requested by the residents and are guaranteed to be in demand.

Blockchain can make this process safe, fast and anonymous.



Energy consumption metering.

Developing energy infrastructure in the region using new technologies ensures:

01
1. Transparent energy usage by organizations

02
2. Changing the principles of electricity metering in the retail market

03
3. Shifting the responsibility for installation, operation and maintenance of energy metering devices from consumers to grid operators



ELECTRICITY GENERATION

Information service for electricity generation, which unites investors, energy retail companies and customers.

This allows the customers to get energy cheaper and find new ways to generate profit from selling excess electricity. Retail companies cut the costs of expensive equipment and lines for delivering electricity to remote areas and are relieved from the responsibility for maintaining the infrastructure.

Financial management is carried out via self-executable Universa smart contracts, which allow tracking payments to all stakeholders (energy service companies, investors, customers).



HEALTHCARE

Healthcare using blockchain technology.

Patients' medical files with all records are stored in Universa blockchain and can be accessed by any therapist regardless of the healthcare institution chosen. The advantages of this approach include:

- Optimizing patient waiting time by speeding up access to medical files
- Speeding up early diagnostics of various diseases
- Protecting personal information
- Identifying issues with individual medical institutions of the city



Social sector.

Blockchain-based personal cabinet with all social services a person can receive from the government and non-profit organizations, has the following benefits:

Families with many children will not have to collect all the documents over and over again – these will be uploaded in the personal cabinet for all government services to access

Social support to children and the family will be cataloged and categorized, with a list of possible support services and organizations responsible determined in each specific case

Child protection officer's electronic tablet includes the following features:

All functions available to the specialist

Current regulatory documents

List of reminders depending on the scheduling of certain



EDUCATION

Blockchain-based electronic portfolio is a step towards individual educational path for the child and recreation map for the parent.

- Each user and each study section have their own electronic digital signatures
- Every achievement and every study section, sports class, children's organizations attended are recorded
- Access can be provided to universities, as well as employment agencies and platforms
- Automatic selection to children's health camps
- Recreation map reflecting the child's leisure activities



LAND REGISTER

Interactive cadastral map, developed using blockchain technology, helps automate land title registration, speed up the execution of title documents and ensure they remain invariable throughout the process.

The map breaks down the region into the following areas:

Sanctuaries

Forest and water reserves

Security restricted areas

Lands banned from privatization

Testing ranges

Production lots and pipeline routes

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Open project approval using blockchain.

Introducing blockchain technology into the process of grid interconnection technical project approval helps automate the process and speed up the procedures from **100-360 days to 1 minute.**



PROTECTION FOR INVESTMENT PROJECTS

Marking the funds using **blockchain technology** helps protect government and private grants and investment against **misuse of funds**.

Instant tracking of **actual project costs and balance of funds**, with automatic reporting, ensures **transparency of investment activity** and makes the region more attractive for investors.



The future with blockchain.

Autonomous district with Universa Blockchain is:

Digital economy

No corruption

Real-time control of all services in the region

Digital education and digital healthcare

All opportunities for residents to take part in managing the region

Protected and invariable information

Universa transforms the economic and social life of the region to a brand new digital level!

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Universa Blockchain.



Universa – is a blockchain platform for building apps that address corporate business and public administration tasks



Universa – offers a technology for decentralized management of secure documents and advanced services for managing them



Universa – enables service providers and market players to offer services in the blockchain and perform payment transactions in various tokens and currencies.