Bitbon System

Report on Start-Up Implementation

2025–2026

The Simcord team has prepared a presentation that continues a series of reports for the Community on the work done to implement the **Bit**bon System start-up.

This report details the results of work done in 2025 as well as clarifies more detailed plans regarding the development and launch of services for 2026.

*With the help of the **Bit**bon System as a unique digital tool, every person at the very beginning of the emergence of Industry 4.0 can already gain their own benefits and advantages by taking part in the current global processes.*

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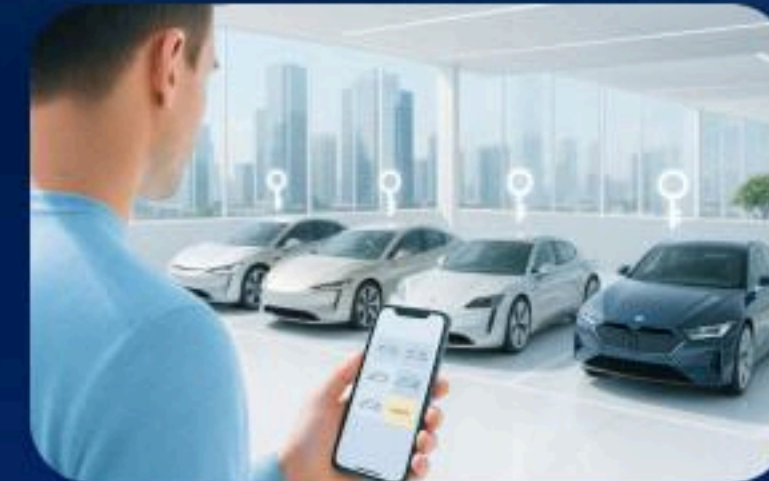
We are standing on the threshold of Industry 4.0 –

a new approach to production and consumption, where digital technologies help build a sustainable human-centered economy.

Fair distribution of resources

Resource sharing

Forecasting the needs of society

Increased production efficiency

New in-demand jobs

Target State: Bitbon System as an Ecosystem of a Trusted Data-Sharing Economy

General Description of the Target State

The target state represents a comprehensive transformation of the digital economy from a "data as raw material" model to a "data as a shared resource with regulated access rights" model. In the **Bit**bon System, each unit of information contains protected attributes of the source, terms of use, and legal regime. Every such information resource is represented in the System as a meta-asset, which preserves for the owner all property and personal non-property rights to the source data and provides the ability to manage these rights through digital services. Any action with a meta-asset is treated as a legally significant transaction in the **Bit**bon System and is recorded in an immutable distributed ledger, which guarantees transparency, protection of rights, and immutability of conditions. Participants are citizens, companies, government bodies, territorial associations, as well as professional communities that interact as equal participants in a decentralized network, where trust is formed both technologically and institutionally (a combined approach through the cumulative effect of joint actions by organizations and especially communities to enhance reliability).

Personal data remains fully under the control of the owner through mechanisms of sovereign digital identity (personal digital profile), while its economic value is realized through business relations and reputation mechanisms, which may be based on digitized reputation and formalized relations, thus opening up new opportunities for the participant. The value of data is created not through its accumulation, but through its use in network interactions. Software assistants operate locally on the User's side as personal assistants (automation of repetitive tasks)

and advisors on protecting interests as well as mentors and consultants. For example, such assistants ensure the display of relevant advertising when it is actually needed, rather than as a means of constant surveillance of the User. Reputation (personal, social, and public capital) is formed transparently on the basis of a verified history of feedback (e.g., voting and surveys), which encourages responsible behavior. Various institutions (e.g., public organizations, initiative groups) operate within the system, complementing the technologically enabled mechanisms of trust.

Regional specifics are taken into account through adaptive legal constructs without digital discrimination — they are embedded into the system of opportunities and access (similar to how membership in business clubs opens up new privileges). Global compatibility is ensured by uniform open standards. The system is built on the principle that "software code gives rise to law": executable business processes (digital regulations and formalized business procedures) automatically generate legally significant documents, ensuring the guaranteed execution of agreements without administrative coercion.

The **Bit**bon System implements the principles of the sharing economy as applied to data, where Users provide unused information while retaining control over it and receiving fair compensation through reputational and economic mechanisms.

The result is a dynamic, self-regulating **Bit**bon System in which innovation is not blocked by monopolies, confidentiality does not conflict with transparency, and economic efficiency is achieved through partnership rather than exploitation.
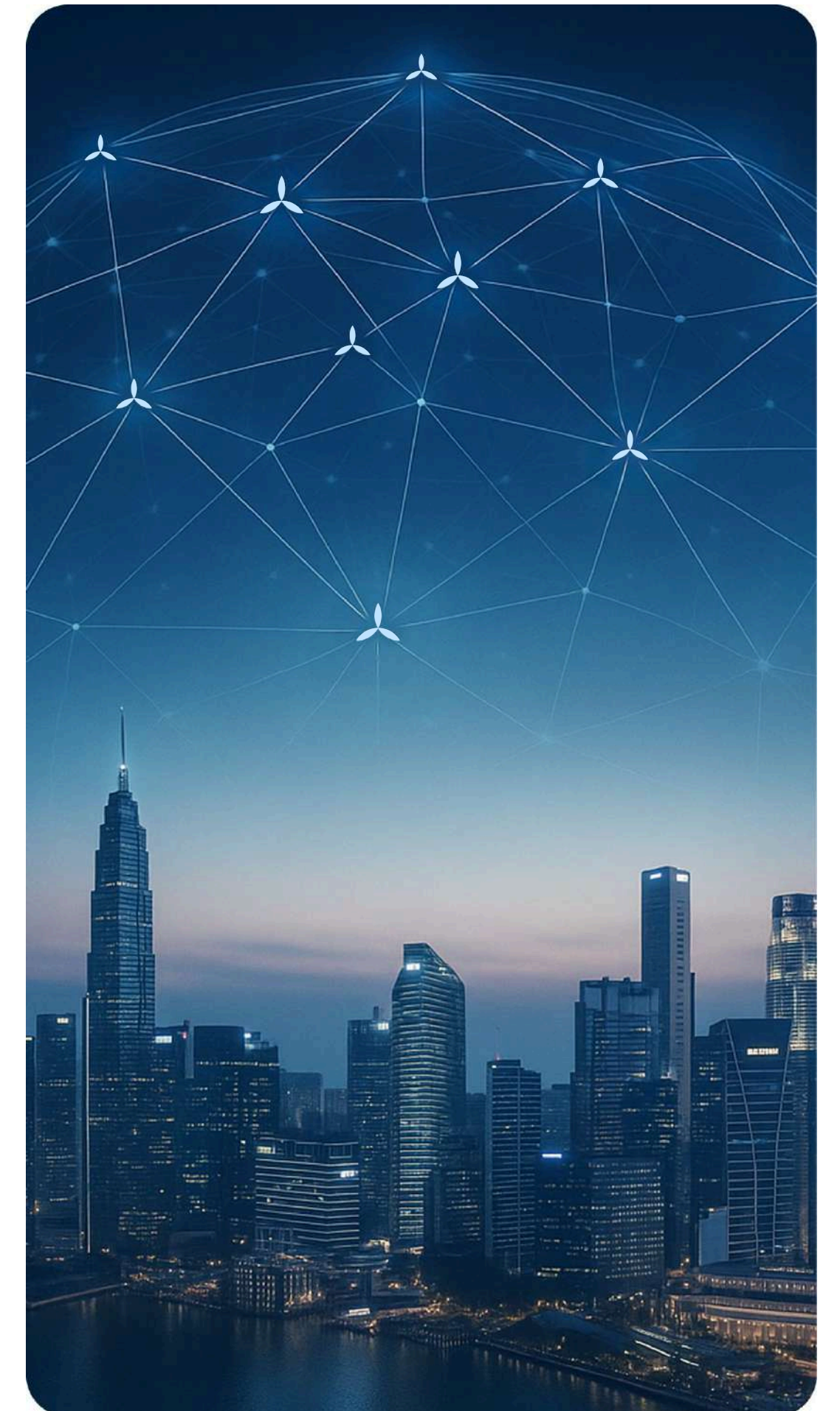
Fundamental Architecture

Distributed Ledger Infrastructure

1. Secure credential storage.

Each **Bit**bon System User has a personal secure storage (a solution similar to a password manager with mandatory digital identification functions) that contains all elements of their digital identity — digital identifiers, access keys, certificates, and other confidential User information. The storage operates locally on the User's device, ensuring full control over their identity without dependence on external service providers. This improves the quality of the user experience and makes it possible to automate work with complex security mechanisms (for example, when managing tokenized assets, it allows ensuring both high security and convenience/speed of operations).


2. Recovery system based on the principles of sovereign identity.

Access recovery is implemented through distributed mechanisms of social recovery and secret information sharing. The system automatically selects a number of qualified and verified custodians with a high level of reliability (having financial backing) from different legal jurisdictions around the world, who jointly ensure the return of access to the User without the involvement of a centralized administrator.

3. Controlled disclosure certificate system.

A multi-level certificate system allows all categories of Users (citizens, businesses, government bodies) to provide verifiable proofs of their attributes with selective disclosure of data. The certificate system records the participants in the process (binding verified information to specific persons) to ensure legal significance and compliance with the requirements of regional/national regulators in different countries. The User can prove a specific fact (for example, reaching the age of majority) without disclosing unnecessary details (such as the exact date of birth). The system enables the automated execution of trustworthiness (due diligence) and identification procedures when the User provides the necessary information.
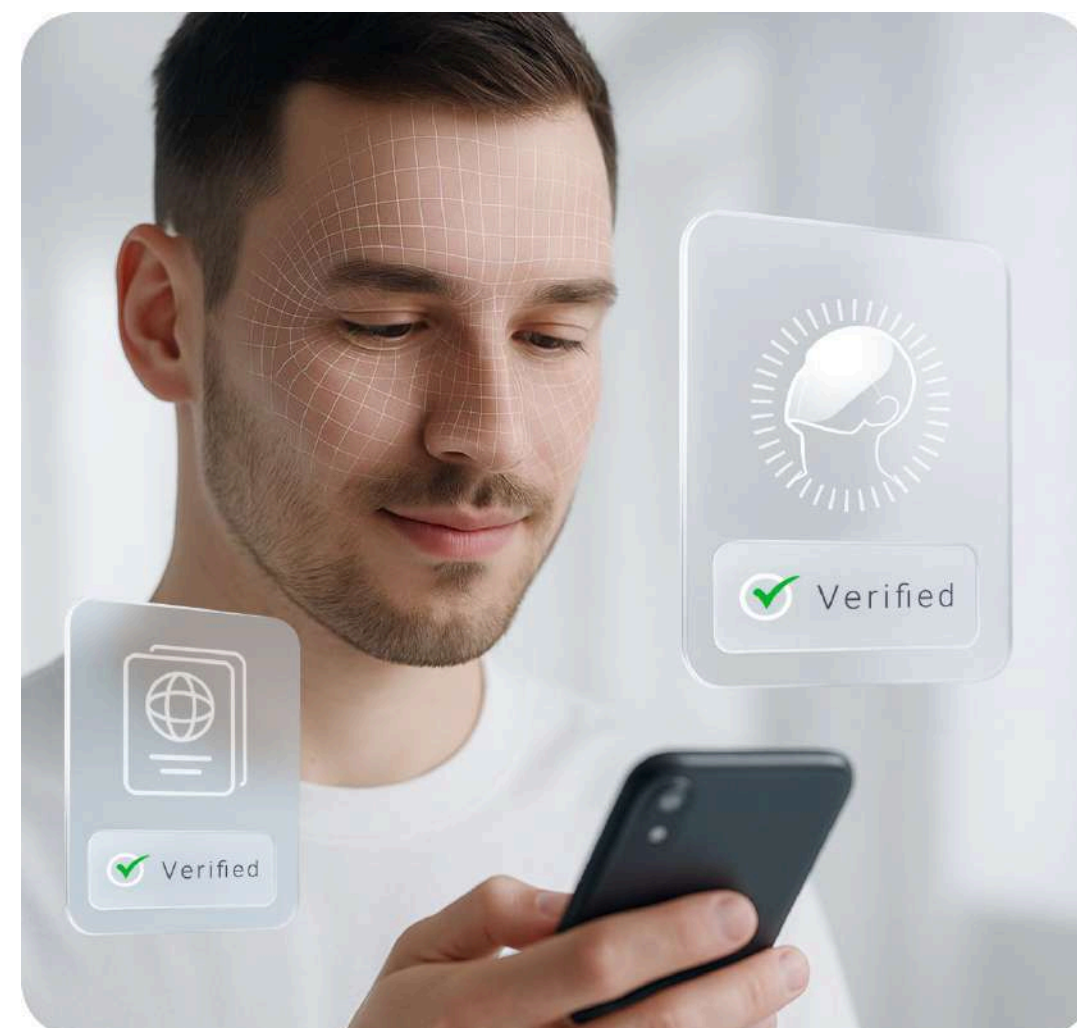
4. Immutable distributed ledger.

All significant actions of participants (transactions) are recorded in an immutable ledger — each such operation is confirmed by a service fee and recorded in the distributed ledger to ensure legal certainty, transparency, and irreversibility of agreements. The unified distributed ledger stores four categories of objects:

- **User certificates** – public keys and related User identity attributes.
- **Registry of services** – information about verified service providers and platforms connected to the **Bit**bon System.
- **Identifiers of information resources** – a catalog of all registered information resources (data) without disclosing the personal data of their owners.
- **Depersonalized activity** – anonymized records of operations (service and User activity logs) to ensure their verifiability. In essence, this is aggregated analytics available to all participants, enabling a transition to an economy based on real needs (by understanding the demand for data).

Due to the concept of meta-assets, the unique attributes of each information resource are immutably preserved from the moment of its creation and registration, which guarantees full verifiability of the history of operations and the integrity of the data and related rights for all parties involved in such data exchange.

5. Authorized secure communication channels.

All communications between participants are carried out via network channels with mutual authentication based on certificates (standard security protocols are used, such as mTLS, etc.). User certificates are linked to specific individuals, which creates end-to-end protection without the possibility of message interception or substitution. Each party to the communication confirms both their identity and their level of authority ("What rights do you have?" instead of simply "Who are you?"), while personal data is not disclosed. Channel encryption must remain resistant to future threats (including quantum computing), ensuring long-term confidentiality.


6. Distributed version storage.

Information resources are stored in a distributed storage system with an integrated version control system. Such storage provides data backup and depersonalization while preserving security and integrity through modern cryptographic methods (encryption, electronic signatures, etc.). The User always retains control over their data, even when it is distributed across different network nodes.

Deep Logic of Transformation

The transformation of the **Bit**bon System begins with the formation of a critical mass of Users who receive immediate benefits from independent data management. First and formost, these are citizens interested in protecting their personal information and small businesses seeking to reduce IT infrastructure costs. At this stage, states also see an opportunity to ensure technological independence. Local trust groups are formed, where participants exchange data directly on a mutually beneficial basis. Cost savings and improved quality of interactions create a positive effect that attracts new users.
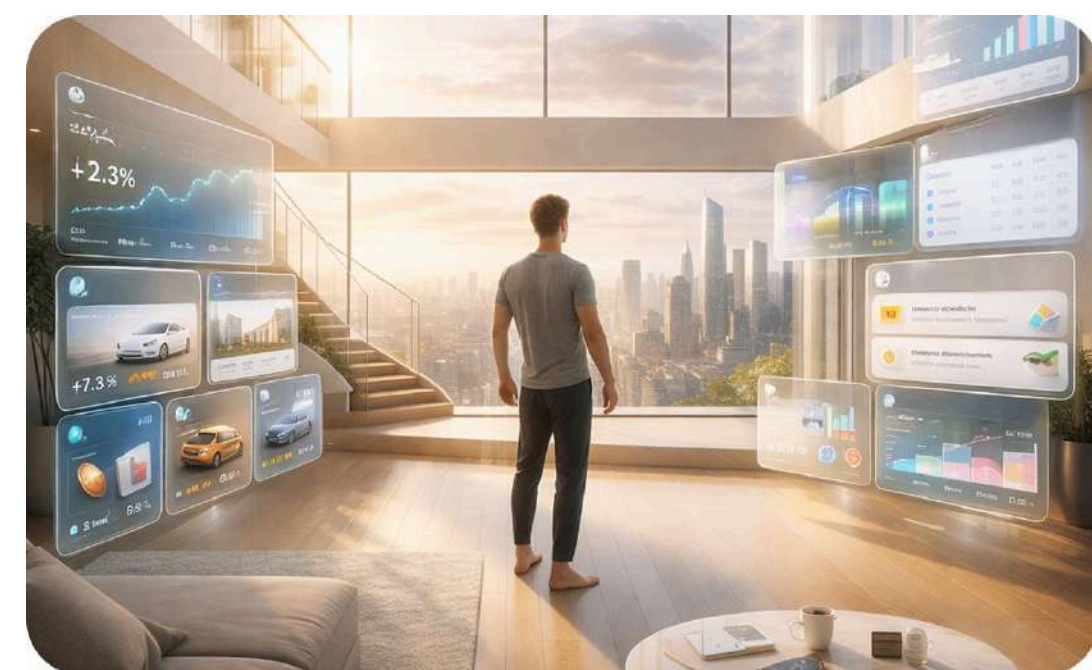
As the network grows, a qualitative shift occurs: large corporations and government institutions find it advantageous to integrate, since a significant share of their clients and partners are already within the **Bit**bon System. This reduces the costs of maintaining their own data, eliminating duplication, and ensuring security. Network effects make participation in the **Bit**bon System more profitable than isolated operations. Regional representatives help smoothly adapt global standards to local norms, creating a federated structure without central control.

At the final stage, a self-sustaining equilibrium is formed in which a return to centralized models becomes economically impractical. Each participant is simultaneously both a consumer and a provider of value. Reputation replaces traditional financial guarantees and administrative levers, and innovation emerges at the intersections of communities. The System develops through consensus among participants, adapting to changes without centralized planning.


Execution Platform

7. Distributed computing platform.

The document management system of the **Bit**bon System is built on a distributed computing platform (examples include modern smart contracts and cloud server technologies), which performs a number of key functions:

- **Execution of digital regulations.** The platform executes configurable digital regulations and formalized business procedures that unambiguously correspond to the text of contracts. Initially, participants reach agreement in the language of business logic; then, based on these digital regulations, the text of a legal contract is generated automatically. When Users perform actions under the contract, the corresponding program methods are invoked (or the state of the business process is changed), ensuring strict compliance with the terms and conditions.

- **Control of the context of data use.** The system tracks the context in which data is used and does not allow improper use outside the agreed conditions.

- **Automatic verification of conditions.** For each operation, compliance with all conditions stipulated in the contract is checked automatically. Violations are recorded and may lead to the consequences provided for, without human intervention.

- **Guaranteed fulfillment of agreements.** The fulfillment of agreements becomes guaranteed — documents (acts, reports, confirmations) are generated automatically without human involvement, which eliminates intentional distortion of data and delays.
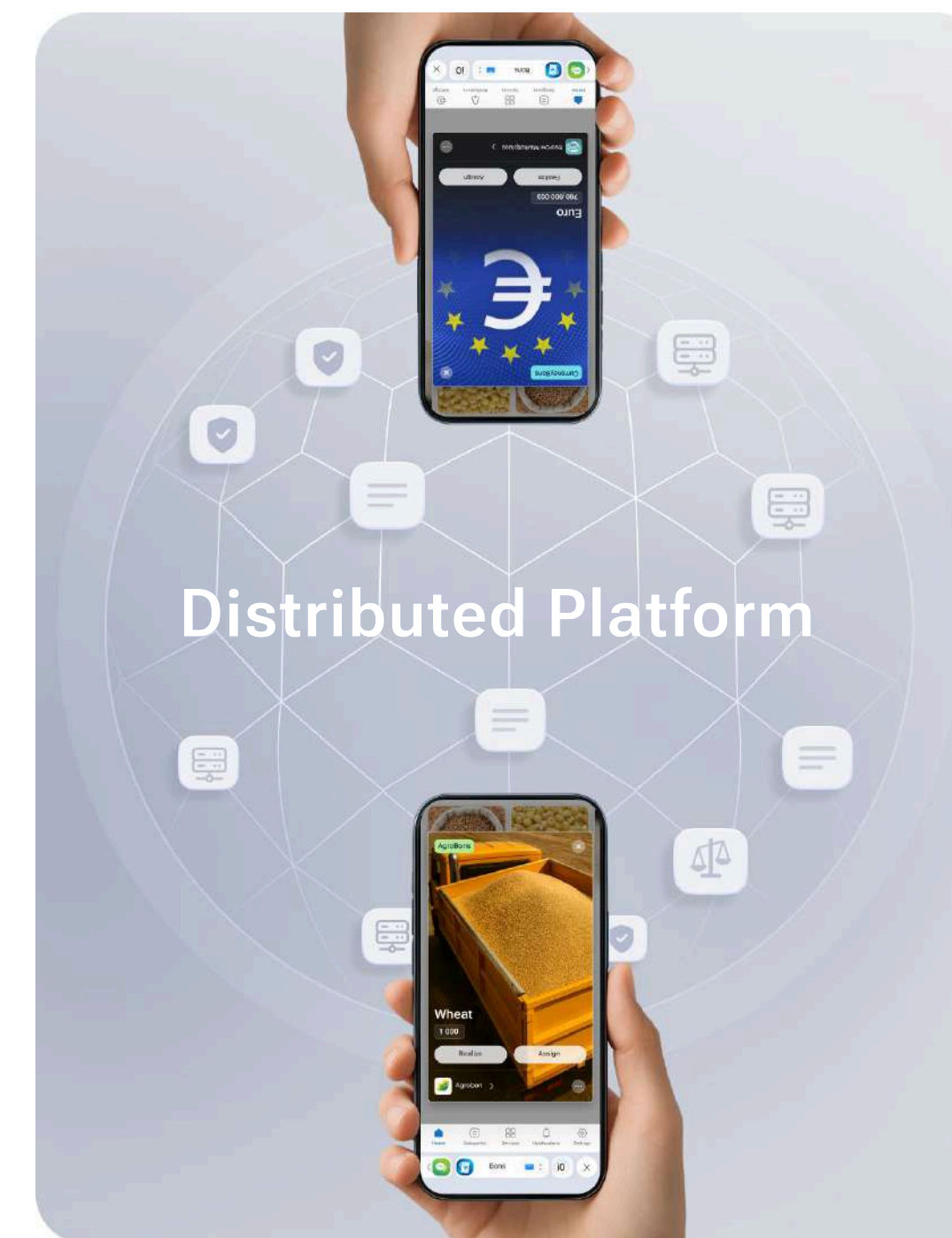
8. Legal documentation.

The **Bit**bon System provides a full set of standard digital contracts, rules, and regulations initially adapted for automatic execution. All documents are structured as machine-readable templates with parameters configurable for specific jurisdictions and usage scenarios. This ensures the legal validity of automated procedures — any digital contract has a clear equivalent in natural language and is recognized by the parties and, if necessary, by regulators.
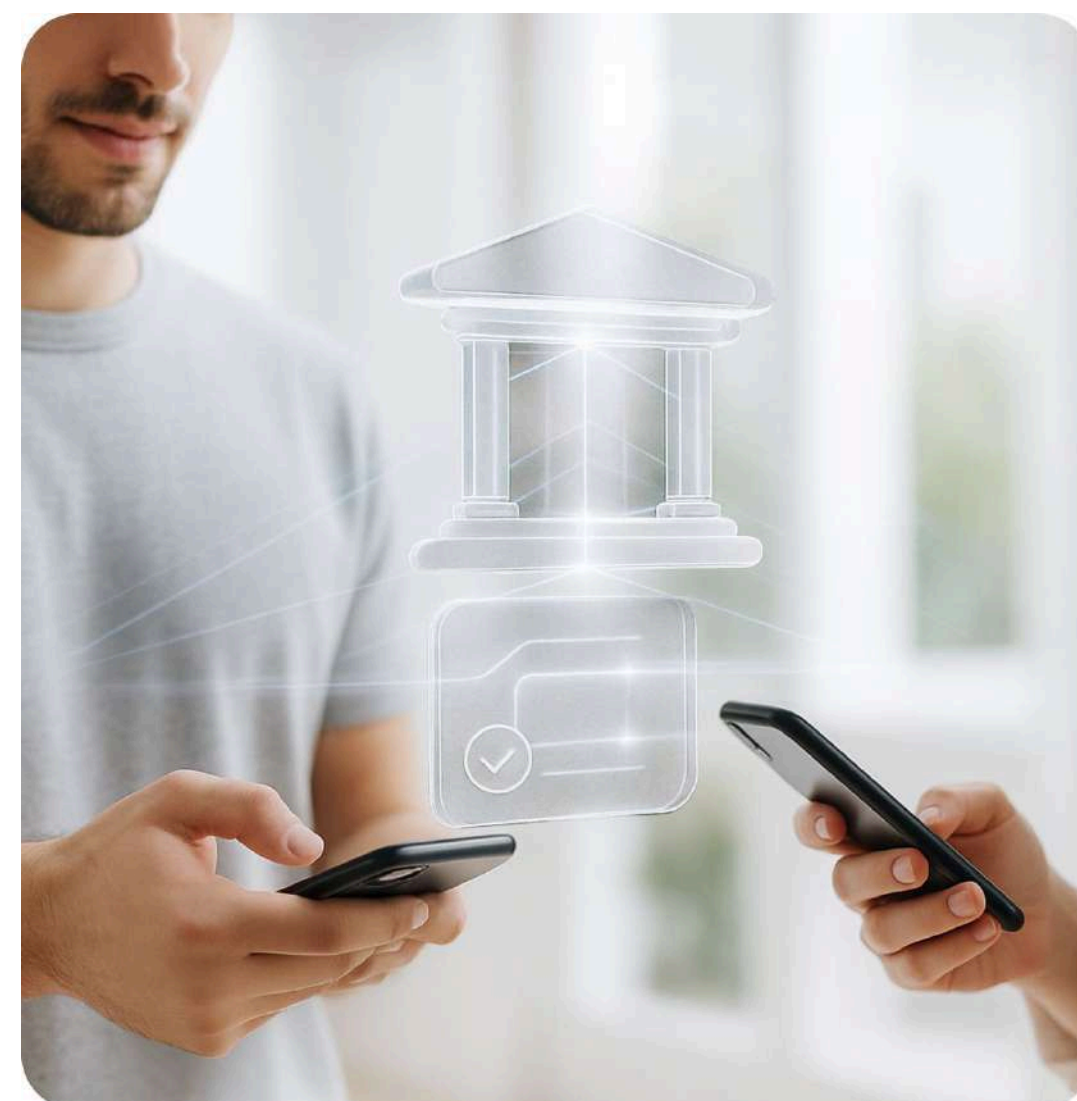
Regional Infrastructure

9. Network of regional representatives.

In each significant region, **Bit**bon System representative offices operate and perform several important functions: they host critical infrastructure elements (ledger nodes, data storage, etc.), adapt the System's legal documents to local legislation, ensure interaction with government authorities, and provide local support to Users. Regional representatives act in the interests of their **Bit**bon System Community and are accountable to the will of the Community (for example, through election mechanisms and feedback).

10. Integration applications.

A library of ready-made adapters and interfaces is provided for seamless integration of the **Bit**bon System with existing corporate systems (resource planning, customer management, document management systems, etc.). Such integration applications allow organizations to connect to the **Bit**bon System without completely replacing their infrastructure, gradually introducing new capabilities. Convenient user applications automate routine activities, reducing barriers to participation in the **Bit**bon System.

11. Highly reliable financial gateway.

Certified integration gateways authorized by state and regional payment systems, provide a reliable connection between the **Bit**bon System and the traditional financial infrastructure. These gateways implement the participants' right to access financial resources (e.g., exchanging rewards from the **Bit**bon System for fiat money), guarantee that operations comply with the financial regulators' requirements, and ensure the fulfillment of financial obligations. Thus, economic settlements within the **Bit**bon System are reliably linked to the external economy without violating legal requirements and with a high level of trust.

Governance and Standardization

12. Self-governing organization.

A decentralized autonomous organization of regional representatives manages the development of the **Bit**bon System. It employs mechanisms of democratic co-governance through:

- voting by community participants on key decisions (all significant changes are put to a vote);

- delegation of representatives from territorial associations and professional communities of real people to governance bodies of the ecosystem at all levels (the principle of representation, which differs from the state hierarchy);

- transparent allocation of resources for the development of the **Bit**bon System;

- coordination of interregional standards and practices;

- dispute resolution through a decentralized arbitration system.

Local communities in the **Bit**bon System self-organize within separate network segments, acting autonomously and solving tasks important for their regions or groups of participants. Such segments interact with each other on the basis of consensus, forming a stable, interconnected governance structure without a single center. All decisions are made in a decentralized manner, taking into account the contribution and social capital of community members, which increases the flexibility, transparency, and independence of the **Bit**bon System as a whole.

13. Network of certification centers.

Independent accredited centers (based on international certification standards) audit and certify **Bit**bon System Users, verify new services and applications, confirm compliance with established standards, as well as investigate incidents. Such centers operate autonomously and impartially, increasing trust in the **Bit**bon System: any participant or service undergoes verification by a competent organization, which establishes a transparent system of quality and security.

Reputation Capital

14. Multi-level education system.

A comprehensive educational infrastructure ensures the continuous development of participants' competencies. It includes mass online courses for learning the basic skills of participating in the **Bit**bon System, specialized academies for training experts (e.g., in the fields of digital law, information security, data analysis), retraining programs for traditional specialists who wish to enter the new economy, as well as certification exams to confirm the competencies acquired. This creates a layer of qualified participants and experts capable of operating effectively in the **Bit**bon System.
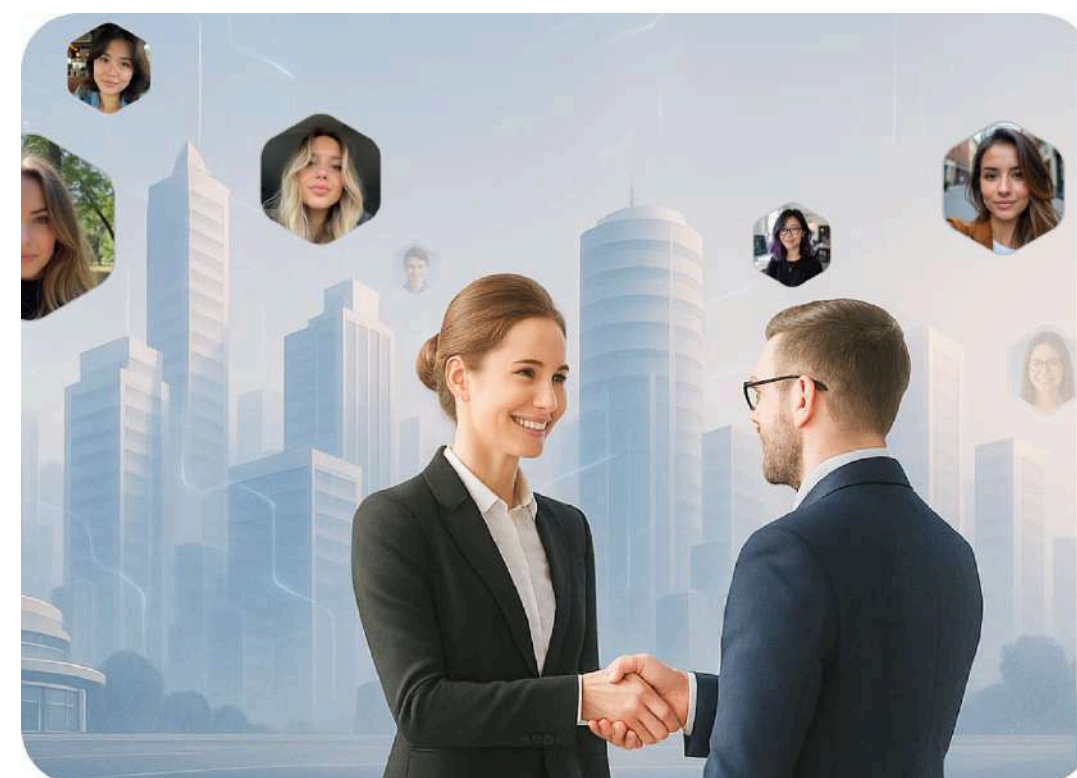

15. Network of certified specialists.

In each region, a pool of verified expert intermediaries is formed — independent certified specialists who provide impartial oversight of the correctness of socioeconomic processes and the quality of services in the **Bit**bon System, eliminating conflicts of interest. These experts act on the basis of professional standards and personal responsibility. They include:

- consultants on digital transformation (help businesses and organizations implement the **Bit**bon System tools);

- security auditors (monitor cybersecurity and compliance with data protection protocols);

- digital law attorneys (ensure compliance with legal norms and adaptation of agreements to digital form);

- technical integrators (configure and integrate **Bit**bon System infrastructure solutions).

These expert intermediaries form a sustainable system of independent quality control based on professionalism and transparency, thereby strengthening trust in the **Bit**bon System.
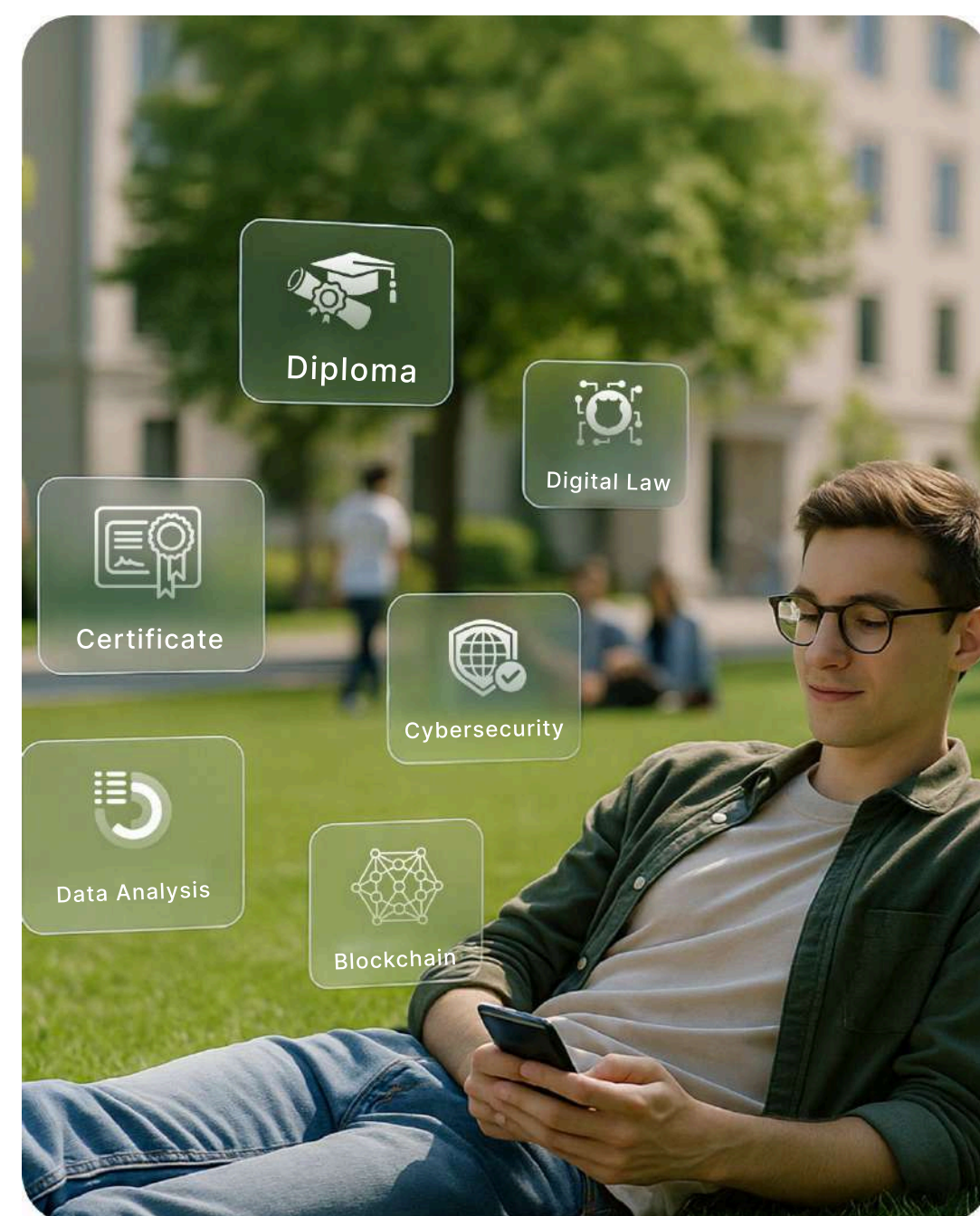
Socioeconomic Mechanisms

16. Reputation system without ratings.

The reputation of Users is formed based on verified data from the distributed ledger, but is presented not in the form of numerical ratings, but through qualitative indicators. The system provides visual indicators (symbols of trust, badges of distinction) as well as reliability level categories instead of absolute numbers, in order to avoid excessive competition for points. Reputation indicators take context into account (e.g., reliability in a specific field of activity) and include mechanisms for restoring reputation when a User's reputation metrics improve. The accumulated reputation indicators (personal, social, or public capital) serve as a key for the User to access new opportunities and permission in the **Bit**bon System (e.g., participation in management, obtaining extended access rights, or access to various resources).

17. System of economic incentives.

Local communities are supported by special economic mechanisms that encourage cooperation and mutual assistance. Mutual-aid funds for businesses and citizens are created in the **Bit**bon System; based on the principles of cooperation and mutual insurance, they allow participants to jointly withstand crisis situations and invest in common projects. Loyalty programs are in place to reward the most active Participants (e.g., bonuses for contributing to the development of the **Bit**bon System). The practice of digital cooperatives is developing, where Users can jointly invest in each other's projects (through equity participation, joint purchases, contributing, etc.). Each participant's contribution to shared resources and projects is digitized and recorded transparently, and the value obtained from the use of data is distributed fairly — based on actual contribution rather than formal ownership of information. These mechanisms develop a local economy of shared use and consumption, strengthening the community's social cohesion.
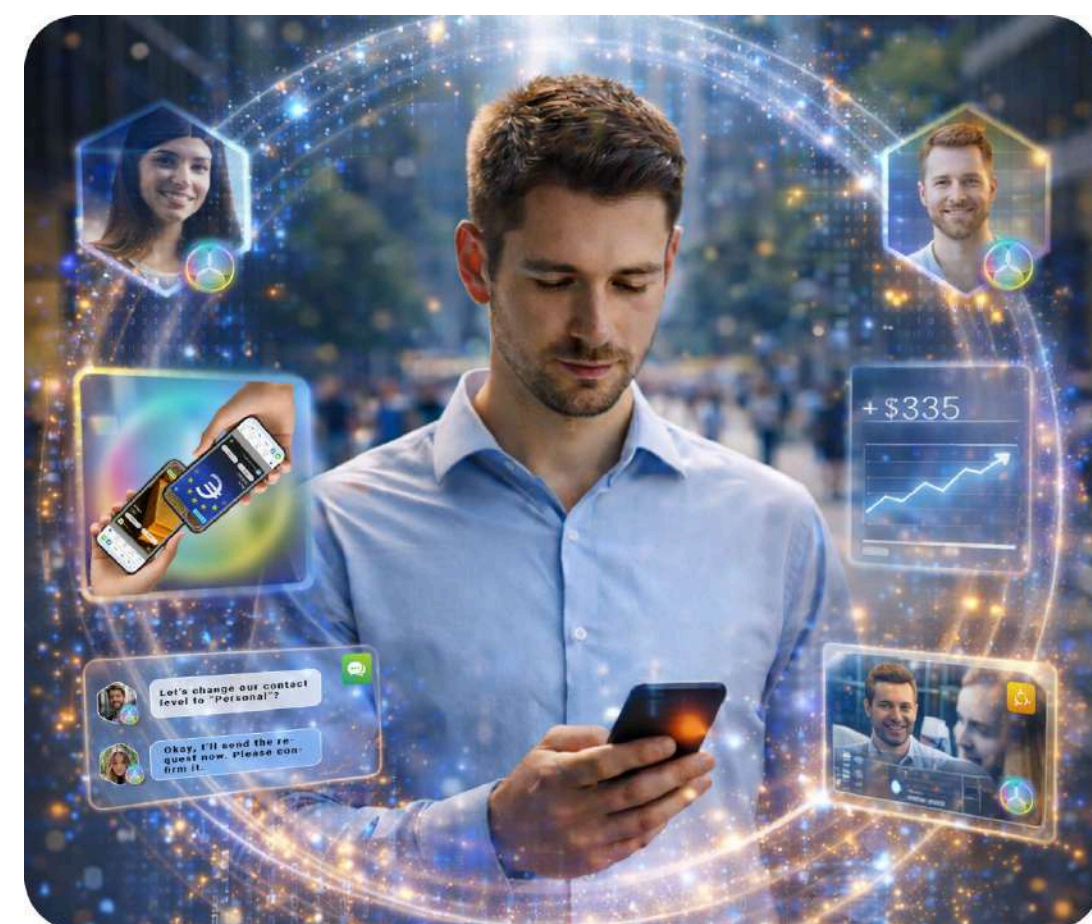
18. Personal digital assistant.

A multifunctional system on the User's device, acting as an intelligent agent, helps the User efficiently manage their data and interact with the ecosystem. Such an assistant combines a number of functions:

- personal filter (checking incoming requests for access to the User's data, protecting privacy);
- shopping assistant (optimizing personal expenses, searching for the best offers and discounts);
- financial advisor (analyzing personal finances, planning budgets and investments);
- personal coach (individual training and skill development for the User based on the analysis of their data and goals);
- negotiator (automating the process of agreeing on the terms of data exchange with other Users, preparing offers and requirements);
- analyst (monitoring the User's digital footprint and providing recommendations on improving security and reputation);
- advertising manager (presenting to the User only relevant ads, special offers, and opportunities exactly when needed);
- task automator (performing repetitive actions on behalf of the User with their explicit consent, saving time on routine tasks).

All these functions are performed locally or in a trusted environment under the User's full control, implementing the ideology of a personal AI agent that protects the User's interests and expands their capabilities without transferring control to external corporations.

19. Feedback system based on reputation.

The **Bit**bon System implements a mechanism for collecting and recording participants' opinions on key development issues. Feedback is organized through various forms of participation:

- voting on important issues of the **Bit**bon System's development, where the weight of a participant's vote depends on their reputation and verified expertise in the relevant field (a meritocratic element that rewards competence);
- regular surveys to identify the needs, problems, and requests of the community;
- collective crowdsourcing of solutions, where participants' ideas for improving the system are discussed openly, and the best proposals are rewarded and implemented;
- direct communication channels between local communities and governing bodies (forums, public councils, regular online meetings);
- mechanisms for delegating authority — communities can elect representatives and delegate part of their votes or decisions to them, with the possibility of recall.

Such a reputation-based feedback system ensures open interaction between all levels of the **Bit**bon System: local communities, experts, and governance bodies. Decisions are made as transparently as possible, while each User's contribution is evaluated not only by their formal status, but also by their actual reputation and competencies.

Mechanisms of the Data-Sharing Economy

20. System of time-limited access to data.

Users can grant controlled, time-limited access to their data based on metacontracts (self-executing agreements embedded in the digital document management system). Such agreements clearly define the terms of data use, the access period, and the form of compensation for the owner. In exchange for granting access, the User receives either access to the data of other Participants of the **Bit**bon System (data barter), or digital economic remuneration, or an increase in their reputational capital, which opens up new opportunities in the future. The User retains the right to revoke access to their data at any time if the conditions are violated or if the need for exchange no longer exists.

21. Monetization of excess information resources.

Unused data (e.g., purchase history, anonymized behavioral patterns, IoT device metrics) is transformed from a liability into an asset that brings benefits. Through aggregation and anonymization mechanisms, such data is collected into depersonalized sets, and its potential value for various consumers (businesses, researchers, etc.) is assessed. The system offers the User monetization options while maintaining full control, for example: a one-time anonymous analysis, a continuous stream of aggregated data in exchange for remuneration, or participation in data exchange for reputational bonuses. All monetization is transparent and voluntary — only the User decides whether to provide their data and on what terms.
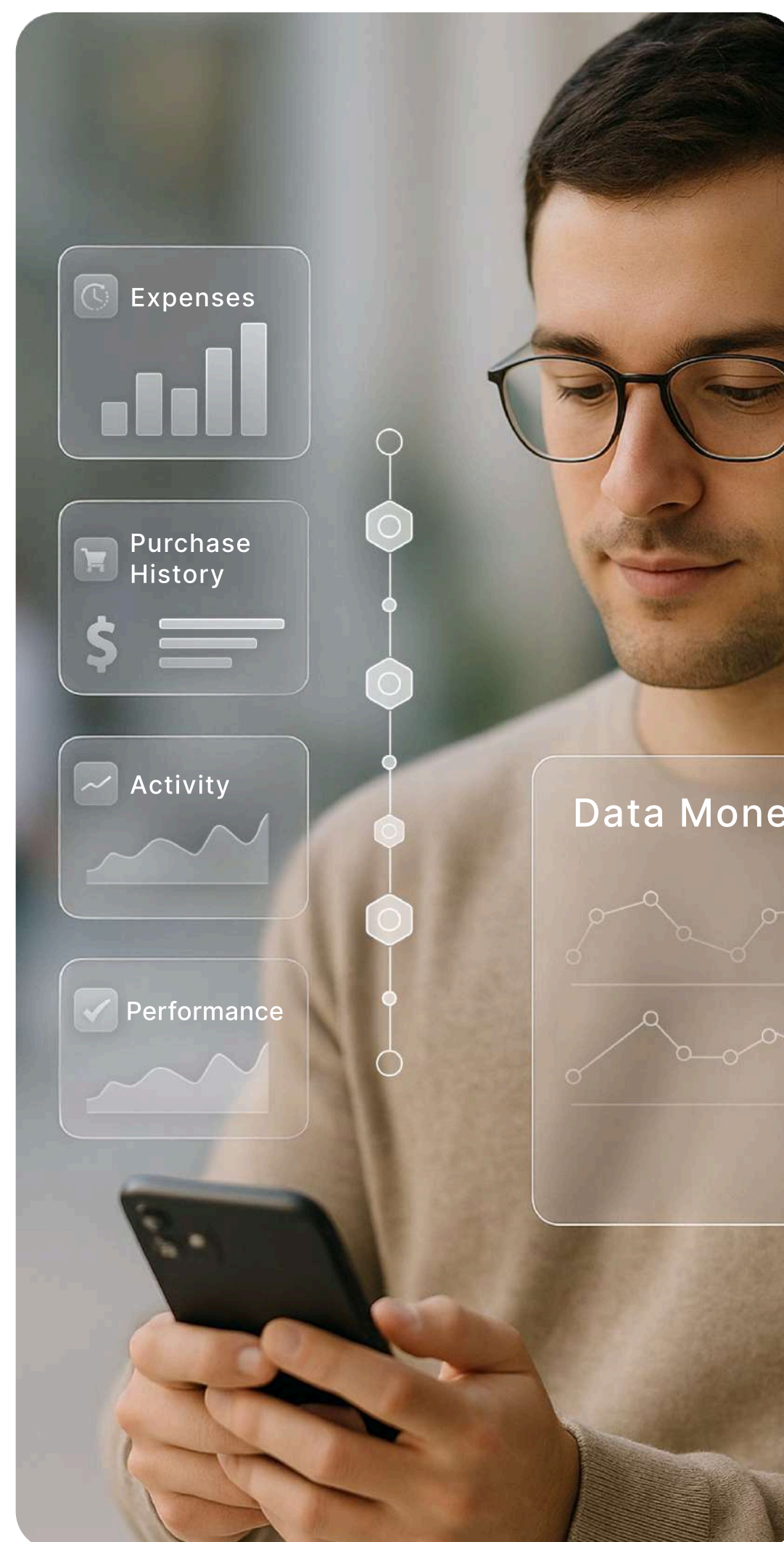
22. Concrete data sharing scenarios.

The **Bit**bon System supports applied data sharing scenarios in various fields while ensuring trust and control. For example, a patient's medical data (medical records, test results) may be provided to pharmaceutical companies and research institutions for studies only with the patient's explicit consent and for an agreed fair remuneration. At the same time, the data remains under the patient's control, and they can revoke access at any moment. Similar scenarios are implemented for the financial sector (credit scoring based on agreed customer data), for the study of consumer behavior (marketing research on depersonalized purchasing data), and for the labor market (recruitment based on verified data on an applicant's skills and experience). All scenarios are based on the principles of voluntariness, transparency of terms, and fair compensation for providing information.
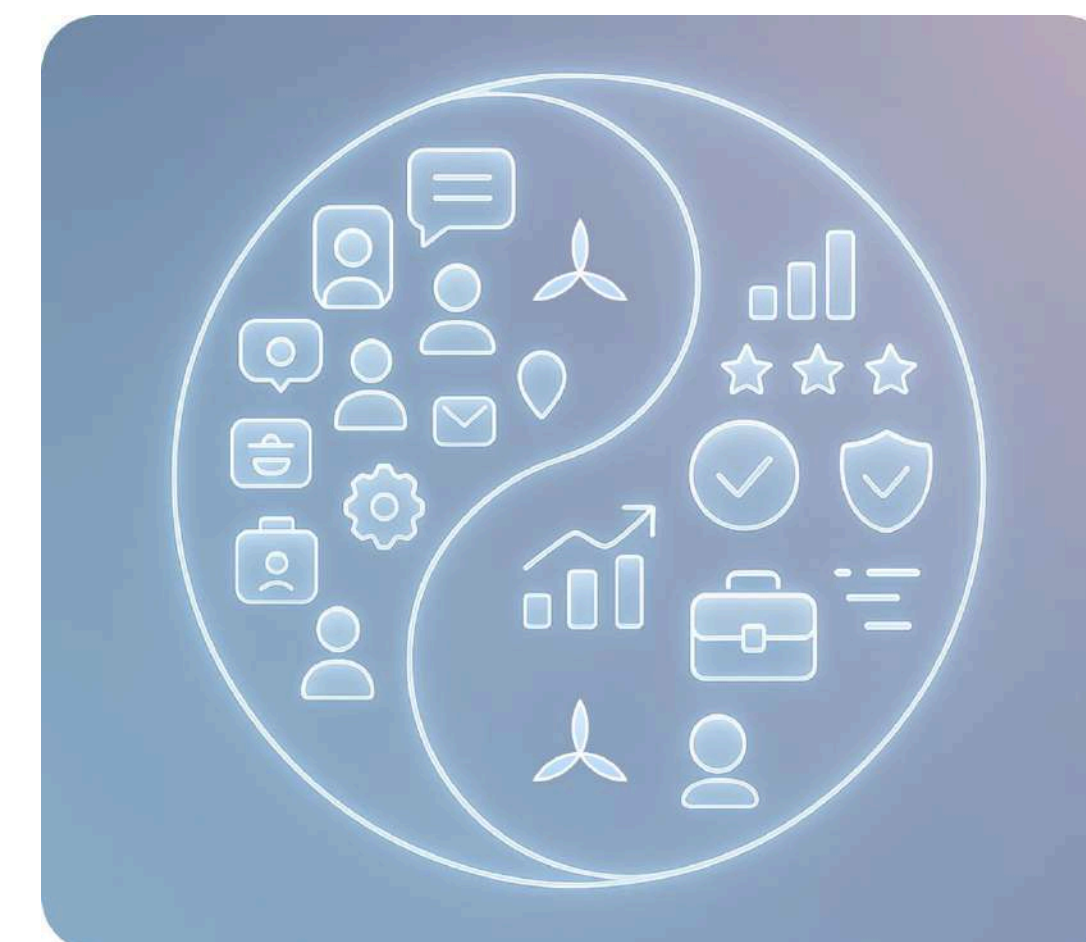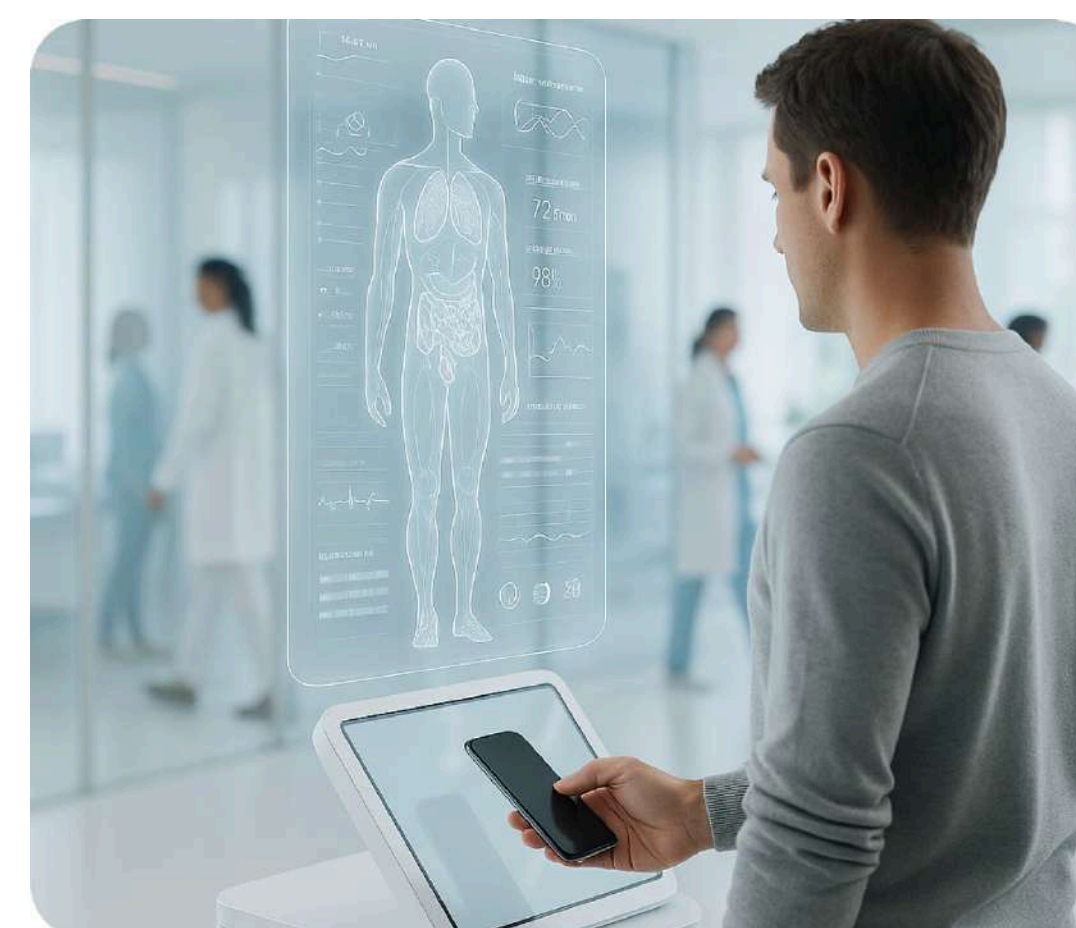
23. Balance of data supply and consumption.

Each **Bit**bon System Participant simultaneously acts as a supplier of their own data and a consumer of aggregated information from other Participants. To maintain an equivalent exchange, a "provided–received" balance mechanism has been implemented: the reputation system automatically and transparently tracks the ratio between how much value (data, resources) a Participant has contributed to the community and how much they have received in return. This encourages honest exchange and prevents unfair behavior. If a Participant extracts a lot of value without sharing their own data, their opportunities may gradually be limited until the balance is restored; conversely, by generously sharing information, the Participant accumulates social capital and gains greater opportunities.

Resulting Model

For citizens:

- Full control over their digital identity and personal data.
- Participation in the economic value of their data through reputational mechanisms (social capital is converted into real privileges and benefits).
- Protection from manipulation and exploitation of data by third parties — Users themselves decide who to provide information to and on what terms.
- Access to personalized services (e.g., recommendations, offers) without compromising privacy.
- The ability to influence the development of the **Bit**bon System through feedback and voting mechanisms (every vote is counted; no User is left unheard).

For the state:

- Increased efficiency of public services by eliminating duplicated data storage in different agencies and creating a single verified source of citizen data (based on permission granted by the citizens themselves).
- Automatic compliance monitoring due to checks and protected proofs embedded in digital processes. There is no need for constant manual supervision — the system automatically flags violations.
- Transparency without compromising citizens' privacy through zero-disclosure proof mechanisms (e.g., confirming a fact without revealing data). This increases public trust in digital government services.
- Resilience to cyberattacks due to the decentralization of critical components: there is no single point of failure, so it is virtually impossible to bring down the entire system.
- Preservation of technological sovereignty through control of critical infrastructure by local regional representatives and storage of data within the country/region. The state integrates into the ecosystem as a partner rather than as a data monopolist.
- Partnership with civil society through institutionalized forms of participation (public councils, citizen oversight bodies, consultations with communities in decision-making). The state receives feedback and support in implementing social and economic programs.
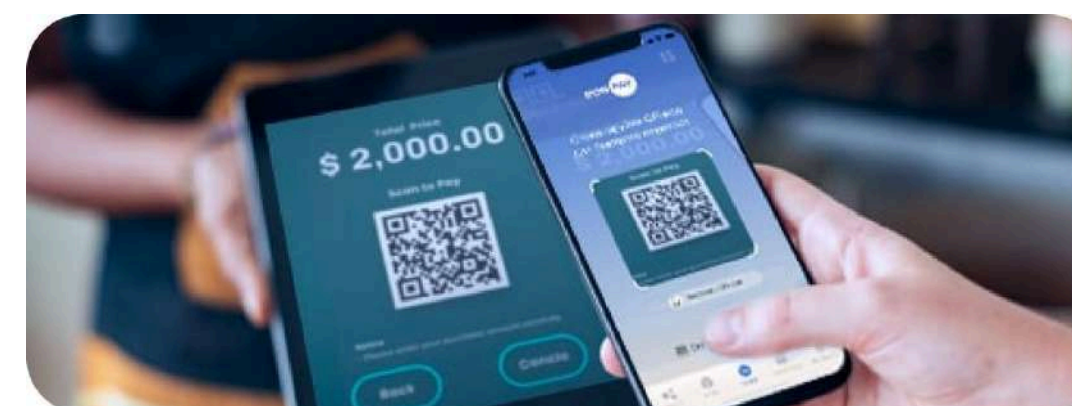
For business:

- Reduction of data infrastructure costs by 60–70% through shared use of **Bit**bon System resources and elimination of data duplication.
- Access to verified data with guaranteed quality and clear legal terms of use.
- Automation of regulatory compliance via formalized business processes that generate legally significant documents (it becomes easier for companies to comply with regulations as the system itself provides control).
- The ability to fine-tune consumer profiles and perform highly precise targeted marketing through interaction with Users' personal digital assistants (advertising becomes both more effective and less intrusive).
- Development strategies based on trust and cooperation: businesses can unite into local ecosystems, create mutual aid funds, and co-finance infrastructure. This opens up new growth models.
- Participation in local economic communities through mechanisms of crowdfunding and mutual assistance, which increases customer loyalty and business sustainability.

For territorial associations (cities, regions):

- Legalization and formalization of existing informal socioeconomic interactions through automated meta-contracts and digital agreements recognized by the state. This allows local initiatives (e.g., homeowner associations, neighborhood communities, initiative groups) to operate within a legal framework.
- Tools for collective decision-making and self-governance based on weighted voting and delegation of authority. Communities can effectively manage local projects, allocate budgets, and vote on initiatives using a transparent mechanism that takes into account everyone's opinion (considering reputation and contribution).
- Access to development resources through mutual aid funds with transparent allocation of funds based on the consensus of participants. Local communities can finance projects important to them (improvements, education, infrastructure) while controlling the expenses.
- Strengthened influence on regional policy due to a feedback system that takes into account the community's accumulated reputation and expertise. The voice of an authoritative community is heard more clearly and influences government decisions.
- Control over regional representatives of the **Bit**bon System through mechanisms of election, recall, and rotation. The local community chooses who will act as the regional representative and can replace them if trust is lost.

Resulting Model

For professional communities:

- Recognition of digital legal personality for autonomous organizations and professional associations. For example, a community of developers or doctors can act as a single legal entity based on a verifiable charter and internal metacontracts implemented through digital document management.

- Mechanisms for collective ownership and management of digital assets: a professional community can jointly own resources (data, services) based on digital shares and multi-signatures, which ensures democratic management of shared assets.

- Transparent distribution of value within the community through automated, formalized processes with a verifiable transaction history (e.g., the distribution of profits and rewards for contributions is recorded by metacontracts).

- The ability to participate in economic relations as a single entity with delegated powers from community members. The community can, for instance, take on joint obligations or participate in large projects where responsibility is distributed among its members.

- Equal participation in the management of the entire ecosystem alongside territorial communities through a system of representation and weighted voting. Professional communities have a voice in making system-wide decisions, which makes management more balanced and reflective of expertise.

For the Bitbon System:

- Transition from a model of unilateral benefit extraction to a model of cooperation and mutual benefit. All participants are interested in the growth of the common good, not just their own gain.

- Restoration of trust in the digital environment through hybrid mechanisms (technological + institutional). Trust is ensured not blindly, but verifiably — through a combination of blockchain technologies, reputation systems, and social institutions.

- Solving the problem of unreliable information (fakes, manipulations) through the principle of verifiability of all interactions: every transaction, every action can be verified; the source of data and the rights to it can be confirmed, which sharply reduces the scope for misuse.

- Creation of conditions for innovative development at the intersection of different communities and competencies. The **Bit**bon System encourages interdisciplinary projects, knowledge exchange, and experimentation due to open interaction and the availability of data for research while respecting the rights of data owners.

- Formation of a new socioeconomic order based on a balance of technology, human values, and decentralized management. The **Bit**bon System develops sustainably without the possibility of sole control, ensuring sustainable development of society as a whole based on the principles of democracy, transparency, and respect for the digital rights of every participant.
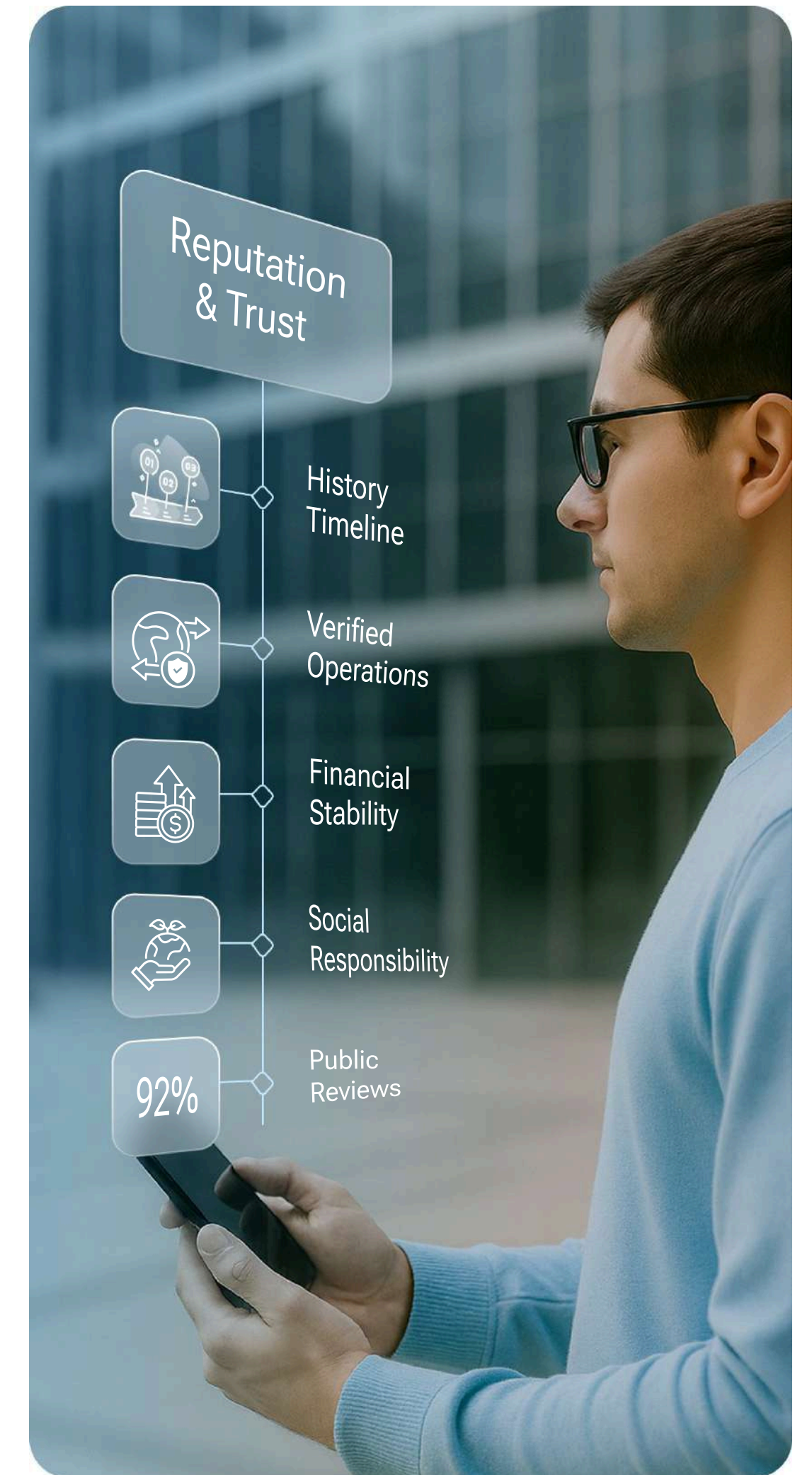
Bitbon System Roadmap to 2026

Start-Up Development Stages

1. Seed stage

◦ Defining key principles and forming the basic concept of the **Bit**bon System.

◦ Developing the initial infrastructure of the DIP.

◦ Starting the registration of intellectual property rights related to the **Bit**bon System.

◦ Holding conferences, international meetings, and various public events dedicated to the development of the blockchain industry and emerging market trends.

◦ Launching the information resources of the **Bit**bon System.

◦ Successful certification of the **Bit**bon System developer — Simcord — under the ISO 9001:2015 quality management system.

◦ Launching the basic infrastructure of the **Bit**bon System.

◦ Issuance of the **Bit**bon digital asset.

◦ Launch of the **Bit**bon Space mobile app for tracking fintech trends, events in the **Bit**bon System, and its development stages.

2. Start-up stage

◦ Establishment of the Research Center of Economic and Legal Solutions in the Area of Application of Distributed Ledger Technologies and the start of active scientific and publicistic activities.

◦ Development and implementation of its own consensus algorithm, Community PoS, in the **Bit**bon System blockchain network.

◦ The world's first transaction between Ukrainian companies for the purchase and sale of the **Bit**bon digital asset as an intangible asset.

◦ Launch of providing in the **Bit**bon System based on the Community PoS algorithm.

◦ Signing a memorandum of partnership with a commercial bank of Ukraine and developing a project for tokenization of e-commerce based on the **Bit**bon System.

◦ Updating the software of the **Bit**bon System blockchain nodes, as well as expanding their number and geography.

3. Growth stage

◦ Launch of an application for virtual modeling of Registrator pools.

◦ Publication of the **Bit**bon System node software source code on GitHub.

◦ Organization and holding of the International Round Table "Virtual Assets in the Development of the National Economy".

◦ Development and publication of a comprehensive classification of virtual assets.

◦ Updating the legal infrastructure of the **Bit**bon System.

◦ Updating the technological infrastructure of the **Bit**bon System.

◦ Launch of the One Space web application — the base service of the **Bit**bon System.

◦ Updating the source codes of the **Bit**bon System node software on GitHub.

◦ Development and publication of the monograph "Modernization of the Public Governance System in the Age of Information Platforms".

4. Expansion stage

Current stage

◦ Victory of the Agrobon project, developed on the basis of the **Bit**bon System, in the science-intensive Startups competition "Science&Business — GIST Pitch Days", as well as representing Ukraine at the global tech conference ICT Spring 2023.

◦ Organization of and participation in the International Round Table "Virtual Assets and Platform Solutions".

◦ Participation in the INATBA task force on industrial blockchain for the needs of the European Commission.

◦ Launch of the One Space mobile app and the Exchange Request for **Bit**bon service.

◦ Updating the One Space mobile app.

◦ Deployment of the alpha version of the **Bit**bon System infrastructure based on the concept of meta-assets.

◦ Launch of the alpha version of the One Space mobile app operating on the basis of the technology of secure account containers and one-time addresses.

◦ Active development of base services and components for the **Bit**bon System infrastructure based on meta-assets.

◦ Registration of the Regional Operator in the Republic of Kazakhstan and obtaining a license to carry out activities for the issuance and circulation of asset-backed digital assets (No. KZ31VWS00000002).

5. Exit stage

◦ Launch of Regional Operators of the **Bit**bon System in Kazakhstan, Ukraine, and Europe.

◦ Deployment of the **Bit**bon System regional infrastructure.

◦ Launch of integration services with banking infrastructure for tokenization of e-commerce.

◦ Launch of Operators of social network segments and the start of active interaction with local business communities.

2017   2018   2019   2020   2021   2022   2023   2024   2025   2026

Development of the Appendices to the **Bit**bon System Public Contract

◦ Conducting master classes and information briefings in various countries around the world dedicated to the launch of new services and the development of the **Bit**bon System.

◦ Publication of scientific and legal opinions "Digital Assets as an Object of Legal Regulation" and "The Legal Nature of the **Bit**bon System's Functioning" by the National Academy of Legal Sciences of Ukraine.

◦ Organization of and participation in the 3rd Kharkiv International Legal Forum on the topic "Evolution of Economic and Legal Relations in Light of the Development of Blockchain Technology".

◦ Publication of joint scientific works with the National Academy of Legal Sciences of Ukraine devoted to digital assets and their economic and legal regulation.

◦ Expansion of partnerships and development of the draft law "On Tokenized Assets and Cryptoassets".

◦ Holding a round table on the topic "Standards of Blockchain Tools".

◦ Global scaling of the model and international partnership initiatives.

The **Bit**bon System is at the final of the fourth stage of start-up development — the expansion stage.
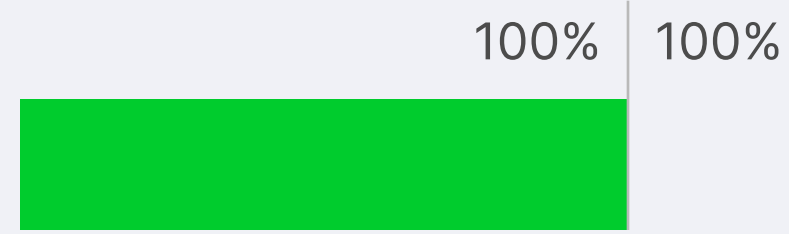
Each stage includes completion of a certain set of tasks in key areas, which can be found in the Roadmap on the official website of the **Bit**bon System.

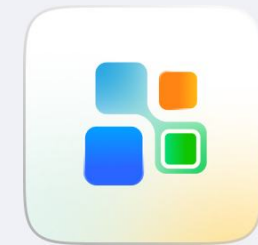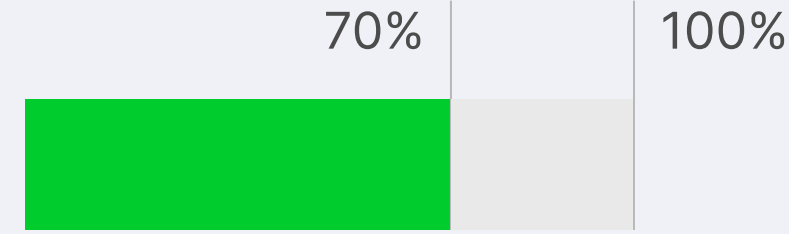**91%** OVERALL START-UP IMPLEMENTATION PROCESS

Stage 4: Expansion   Services being developed
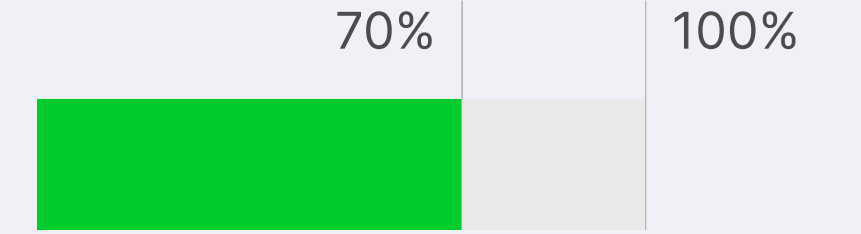
Storage

100%   100%

Decentralized storage of data in metafile format, ensuring control and management of storage of Users' information resources.

Metadocuments

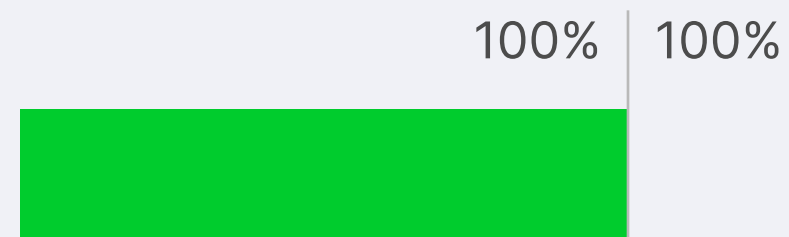100%   100%

Creation, registration, accounting, management of Users' metadocuments and automation of document flow to ensure socioeconomic activities in the **Bit**bon System.

Metaresource Constructor

70%   100%

Users create their own metaresources — services as well as provide an integration package for interaction with external information systems.
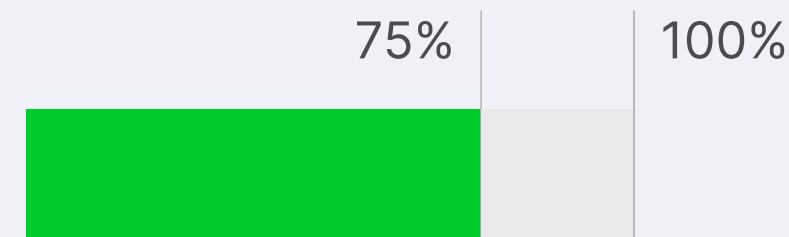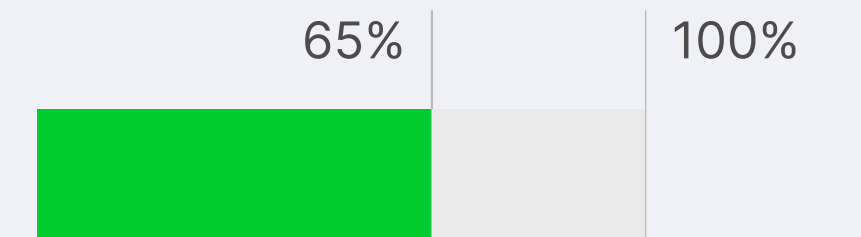
Link

75%   100%

Managing access to User's contact information in compliance with the principle of sovereign identity and maintaining highly reliable authorization channels.

AURA

70%   100%

Ensuring a mechanism for calculating the User's reputation based on their interaction with services in the **Bit**bon System and other Users.
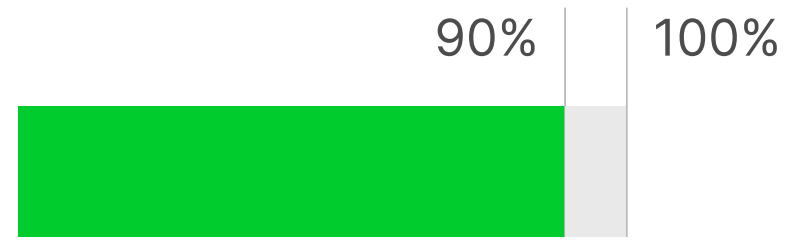
Log

65%   100%

Local automated aggregation and systematization of information on the User's actions, the terms and context of deals, the User's focus and interests, as well as their social interaction with the generation of personal analytical reports on the User's device.
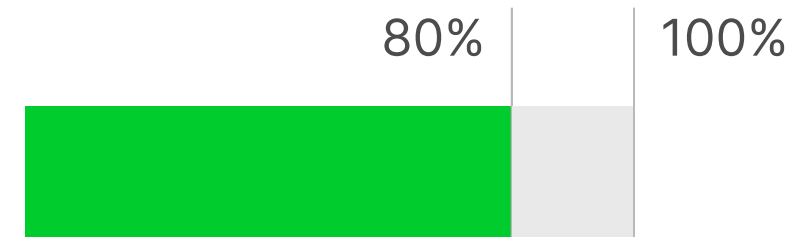
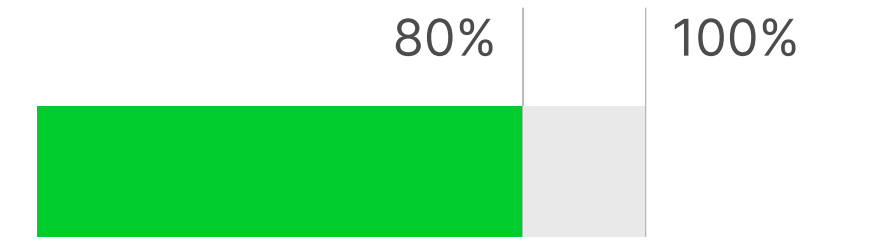# Stage 4: Expansion   Services being developed

Operator
90%   100%

Ensuring the User's integration into the social network of economic relations — the **Bit**bon System — in order to provide access to the full range of ecosystem services.

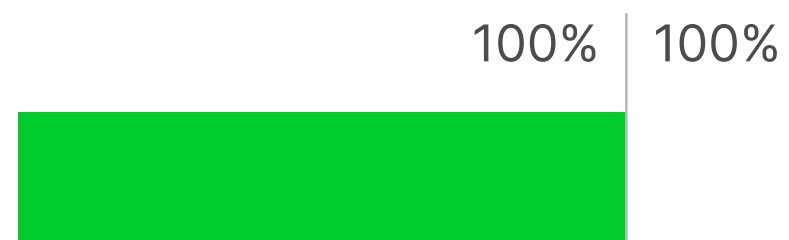## ERBB (Exchange Request for **Bit**bon)
100%   100%

Ensuring the transformation of **Bit**bon digital asset units into the ERBB token to promote the **Bit**bon System in other public blockchain-based networks.

Contributing
80%   100%

Implementing new ways of collective financing for commercial projects using meta-assets.

Advertisement Service
30%   100%

Placing requests to search for counterparties for the equivalent exchange of rights to different types of property and services.

Academy
80%   100%

Offering general education and specialized courses with digital certificates that allow Users to perform activities with specific statuses and roles within the **Bit**bon System.
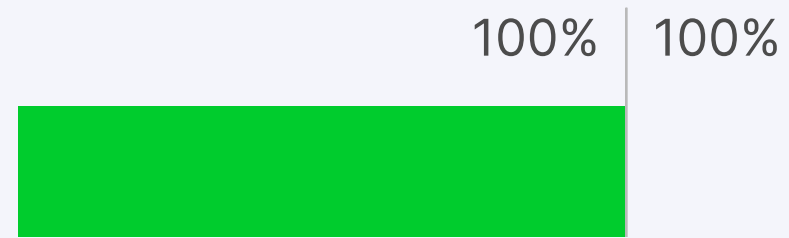
Escrow Marketplace
95%   100%
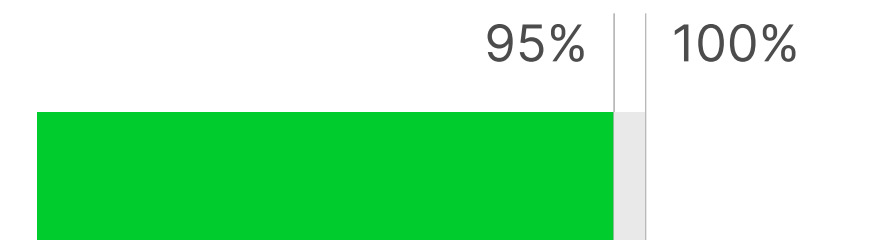
Providing deferred payment for goods and services in online and offline retail outlets with the possibility of using the universal Bonpay interface.
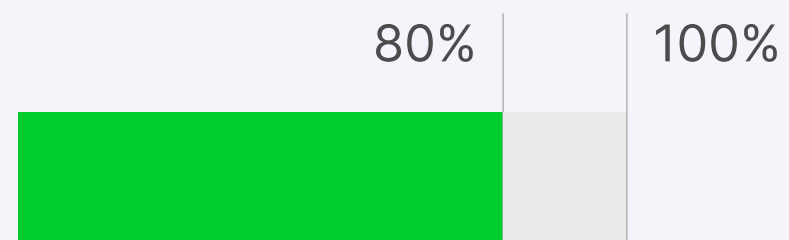
Stage 4: Expansion   Services being developed

### Registries and Funds

100%   100%

Collection, processing, and display of statistical data and analytical reports with the possibility of conducting public audits of the mechanisms and services of the **Bit**bon System.

Cryptobox

80%   100%

Possibility of concluding deals with property rights to crypto-assets (Bitcoin, Ethereum ...) taking into account the requirements of the User's regional legislation.

iO (AI "Bonnie" renamed to iO)

25%   100%
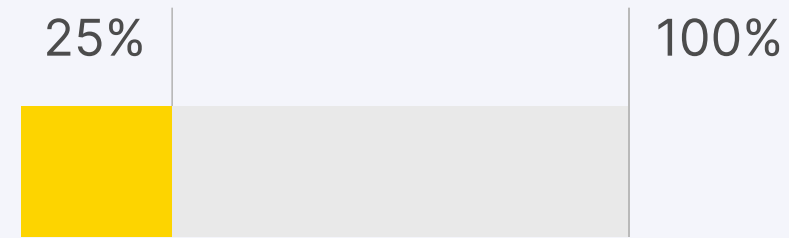
AI personal assistant with interactive learning capabilities, including data from the User's Log (optional) to improve their quality of life.

Covert Arbiter

35%   100%
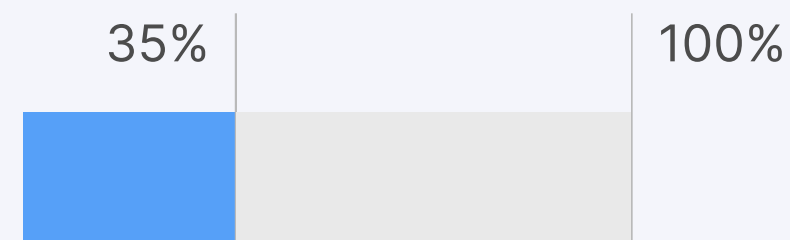
Providing a mechanism for resolving disputes between **Bit**bon System Users using the principle of anonymity and neutrality, which ensures objectivity and impartiality while dealing with them.

Voting and Polls

75%   100%
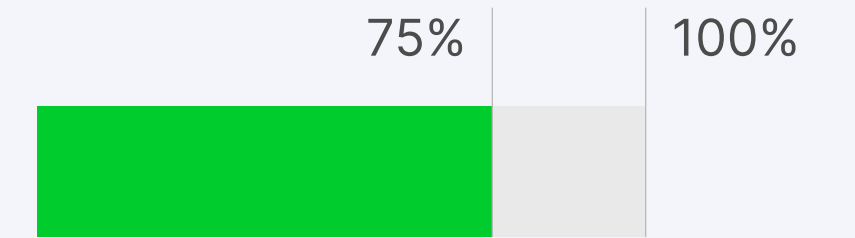
Providing a mechanism for expressing will, which allows Users to participate in management decisions, voting, targeted surveys and performance evaluation in the **Bit**bon System, ensuring fair influence based on a vote weighted by social capital.

Metamarket

50%   100%
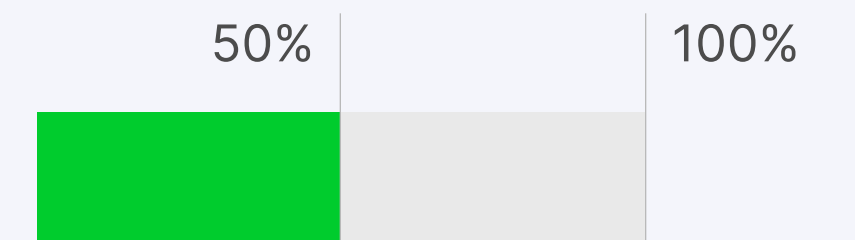
Providing a single, unified space where Users can list their goods and services, ensuring their targeted searches by consumers with the help of an iO AI–based personal assistant.

Stage 4: Expansion   Services being developed

Service Search

55%   100%

Search for public services registered in the **Bit**bon System with the ability to personalize the search according to the User's requests and needs using an AI-powered personal assistant.

Network Segment

35%   100%

Self-organization and scaling of the infrastructure of local communities of the **Bit**bon System as well as providing tools for implementing socioeconomic relations within such communities.

Bons

50%   100%

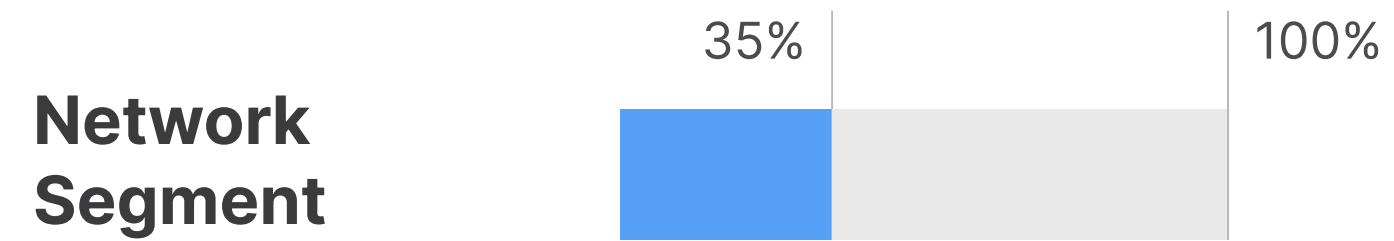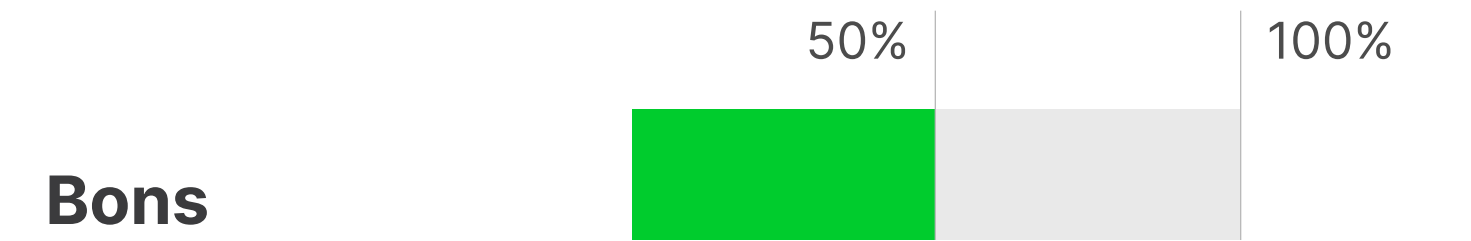Formalization and automated support of derivative contractual relations carried out through the infrastructure of the **Bit**bon System.

PING

30%   100%
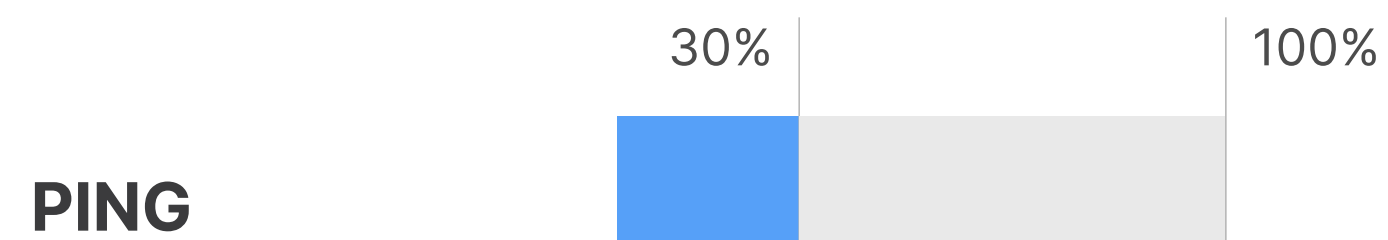
Ensuring various types of communication between Users and services, including the exchange of text and multimedia information.

Certificates

95%   100%

Ensuring management of access levels to the functionality of the ecosystem of services as well as roles and types of activities in the **Bit**bon System based on certain types of certificates.

Synergy

25%   100%
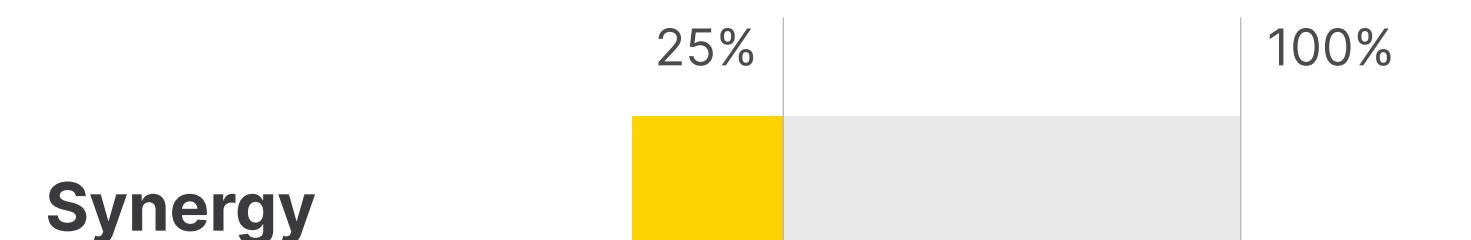
Managing collections of digital artifacts obtained by the User when interacting with services in order to expand their social and economic opportunities through gamification tools and the formation of personalized development tracks for the User.

Stage 4: Expansion

Components being developed

The slide shows the readiness of the key components ensuring the operation of the **Bit**bon System services

Component	Description	Status
ACCOUNT MANAGEMENT SYSTEM	Ensuring the verification and encryption of User data, automating the processes of data handling by the Regional Operator to confirm Users' certificates.	✅ available in One Space
BITBON SYSTEM NODE	Hardware and software complex of the decentralized environment for distributed computing and data storage of the **Bit**bon System.	✅ available in One Space
PROVIDING	Managing resources (funds, hardware and telecommunications equipment, computing power, storage) to ensure the operation of the network segment infrastructure and decentralization of the **Bit**bon System.	✅ available in One Space
DECENTRALIZED STORAGE	Mechanism for implementing decentralized data storage with controlled redundancy and interaction with them, which is ensured by the resources of **Bit**bon System Providers.	✅ alpha version
ACCOUNT CONTAINER	Highly secure local repository for the User's confidential information and personal data that uses post-quantum cryptographic algorithms for key generation and encryption, and also enables the User's interaction with the services and infrastructure of the **Bit**bon System.	✅ alpha version
E-COMMERCE DEAL ACCOUNTING COMPLEX	Ensuring interaction of **Bit**bon System services with the regional banking system and implementing a new way of concluding deals with deferred payment in the e-commerce field.	✅ alpha version
AUTHORIZATION CHANNEL	A technological solution that ensures direct (peer-to-peer) data exchange between Users with a high level of protection of such data using cryptographic methods.	✅ alpha version
BITBON SYSTEM REGISTRY	Ensuring the collection and access to information on public meta-assets of the **Bit**bon System to optimize the search functions of services and business processes of metaresources.	✅ alpha version
CORPORATE ACCOUNT	Ensuring the integration of information systems of business entities with the infrastructure of the **Bit**bon System for conducting operating activities.	70%
METARESOURCE FUNDS	Ensuring the implementation of an economic model for the operation of services using permanent public addresses managed by a decentralized processing module.	90%

One Space Roadmap

2018   2019   2020   2021   **2022**   2023   2024   **2025**   **2026**   **2027**

First version of the app

Available: App Store and Play Market
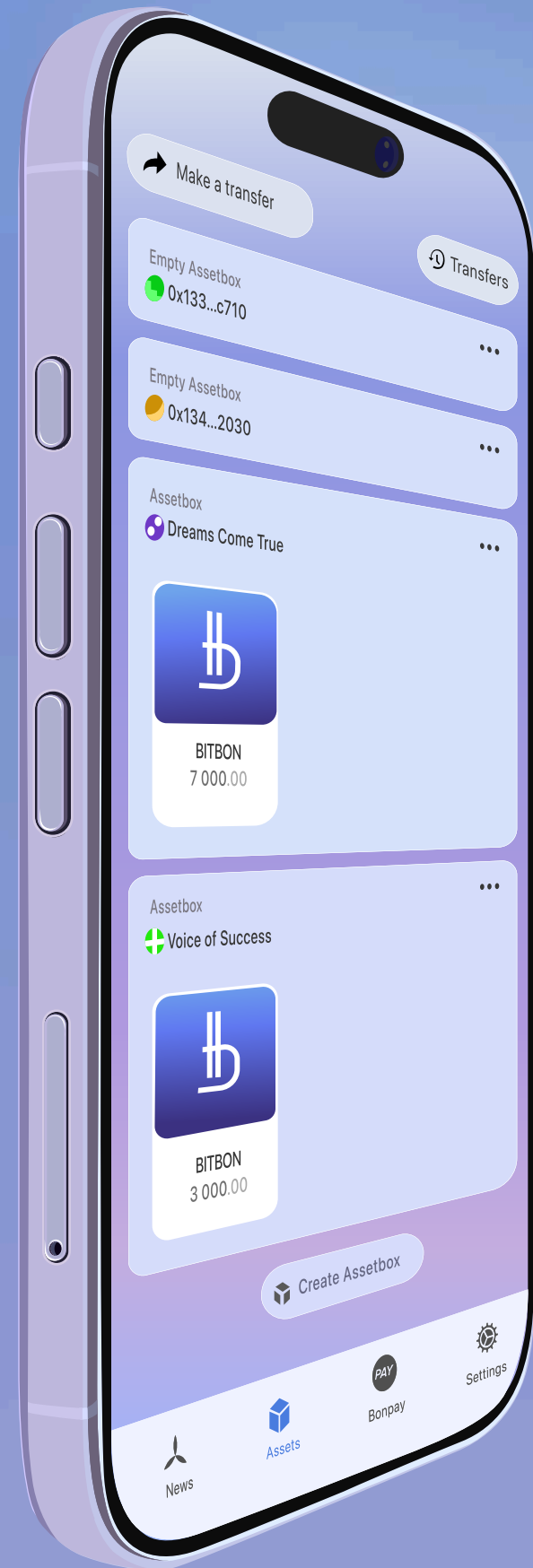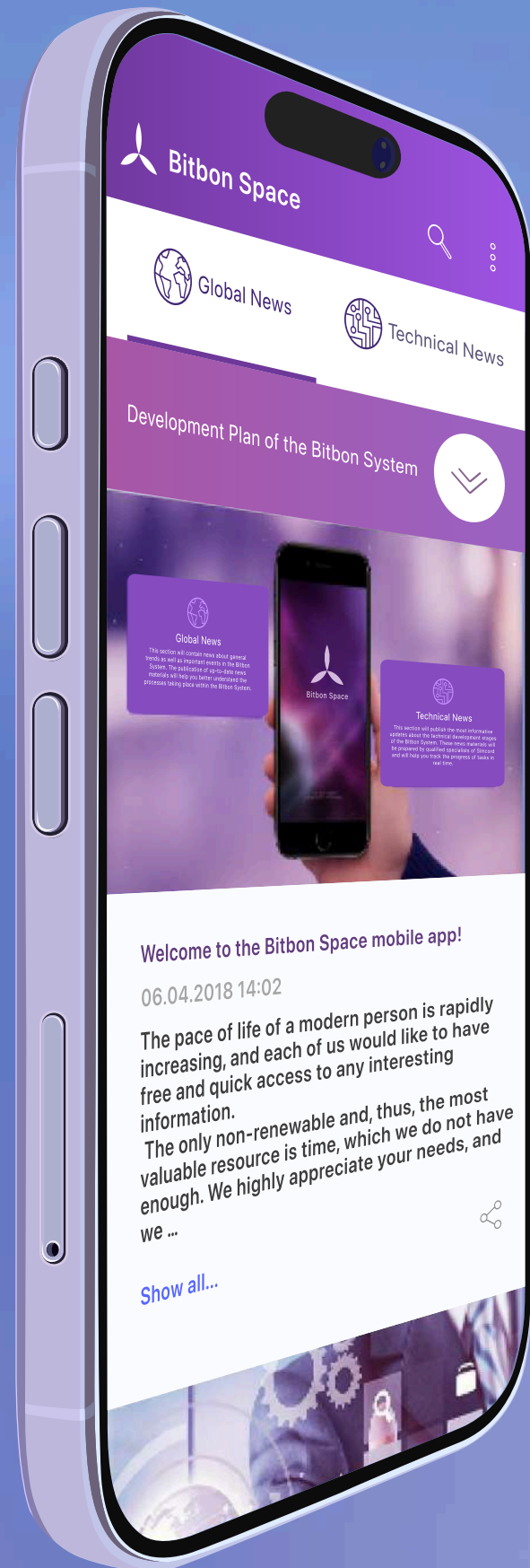
New version of One Space   E-commerce   ,   Document flow   ,   Reputation   ,   Expression of will   ,   Digital assets   • • •

Services being rolled out

The new version of One Space includes comprehensive solutions for the tokenization of assets and socioeconomic relations in various fields of activity

Private AI agent

A personal assistant that simplifies the use of One Space features

Personalized offers

Digital intuition mode

Search   Corp Space

Personal development track

Execution of daily tasks

One Space App

The One Space app enables interaction between **Bit**bon System Users and the ecosystem of services for the implementation of socioeconomic relations.

✓ **STAGE 1: COMPLETED**

ONE SPACE INFO

A mobile application for tracking fintech industry trends, events in the **Bit**bon System and its development stages.

✓ **STAGE 2: COMPLETED**

ONE SPACE BASIC

Web and mobile apps with a basic set of functionalities for conducting personal activities in the **Bit**bon System.

✓ **STAGE 3: COMPLETED**

ONE SPACE SOVEREIGN

Updating the core of the **Bit**bon System using the technology of secure account containers to implement the principle of sovereign identity.

✓ **STAGE 4: ALPHA VERSION**

ONE SPACE META MOBILE

A fundamental update of One Space aimed at the development of meta-assets and at enabling the scaling of the service ecosystem based on them, with the goal of transitioning to the practical use of meta-assets in the real sector of the economy.

STAGE 5

ONE SPACE META DESKTOP

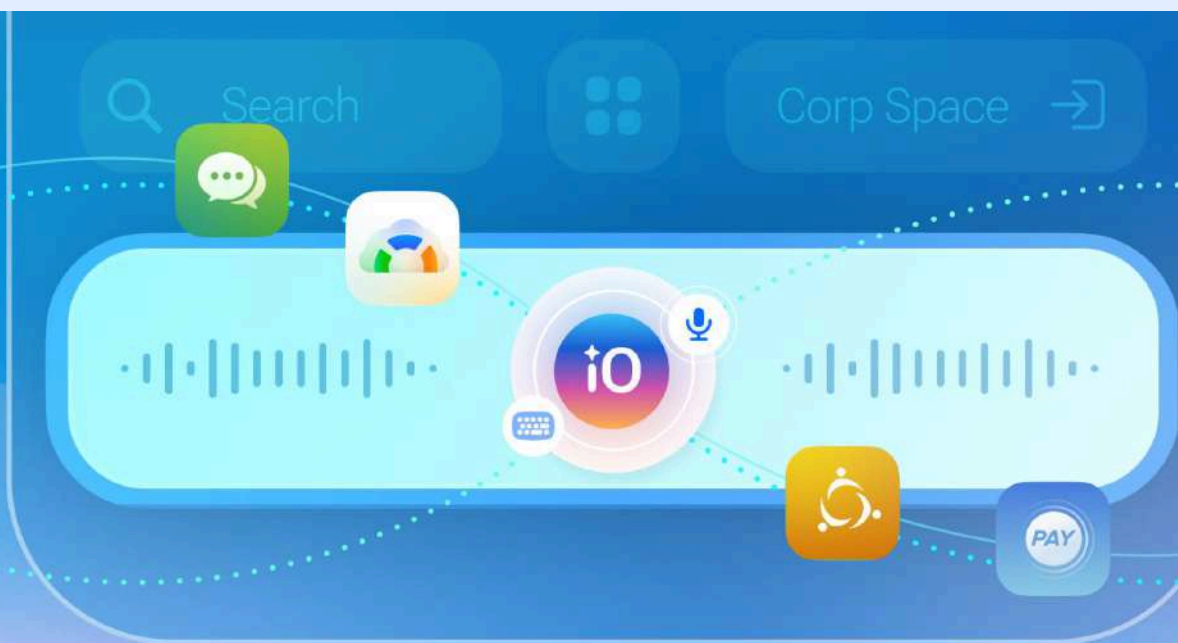Launch of the desktop version of One Space, which will expand capabilities for enterprise-level, business-oriented apps.

STAGE 6

ONE SPACE NODE APP

Updating the desktop and mobile One Space apps, which will allow devices to perform the functions of **Bit**bon System nodes and unite them into highly efficient computing clusters to solve global tasks.

STAGE 7   **ONE SPACE OS**

Deep integration of the One Space app with various operating systems will ensure maximum performance, security and the best user experience when interacting with the **Bit**bon System.

13:13

AURA   Voting   Certificates   Operator

Escrow Marketplace   Bons   Log   Service Search

Service Constructor   Synergy   ERBB   Providing

Network Segment   Metamarket   Covert Arbiter   Registries and Funds

Search   Corp Space
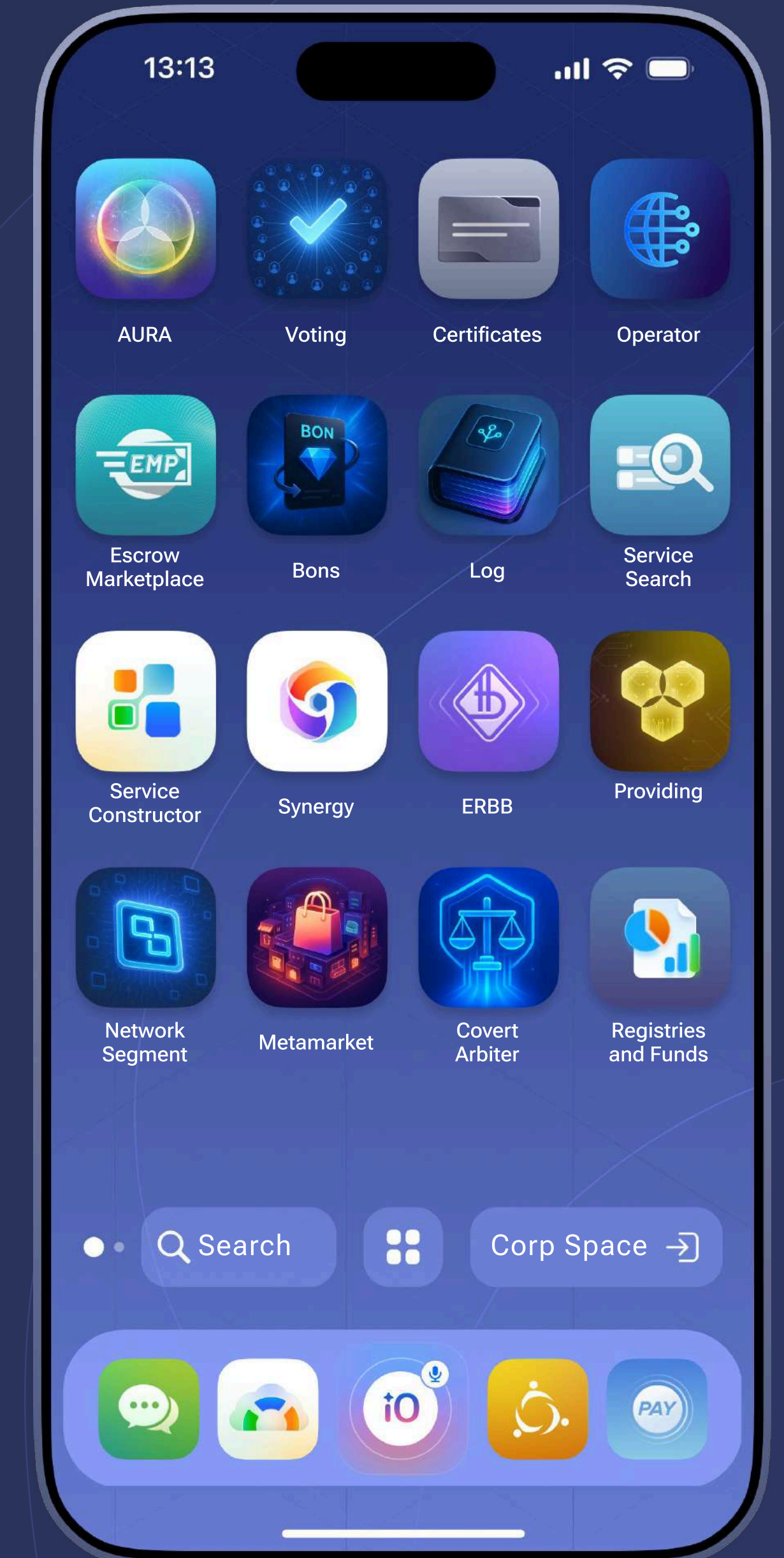
Stage 5: Exit

This stage is the final stage of the start-up's development and is characterized by the transition of the **Bit**bon System to full-scale commercial implementation.

REGIONAL OPERATORS

Registration of 3 or more Regional Operators to represent the **Bit**bon System Community in different countries.

	100%
Kazakhstan	

	50%
Ukraine	

	10%
Europe	
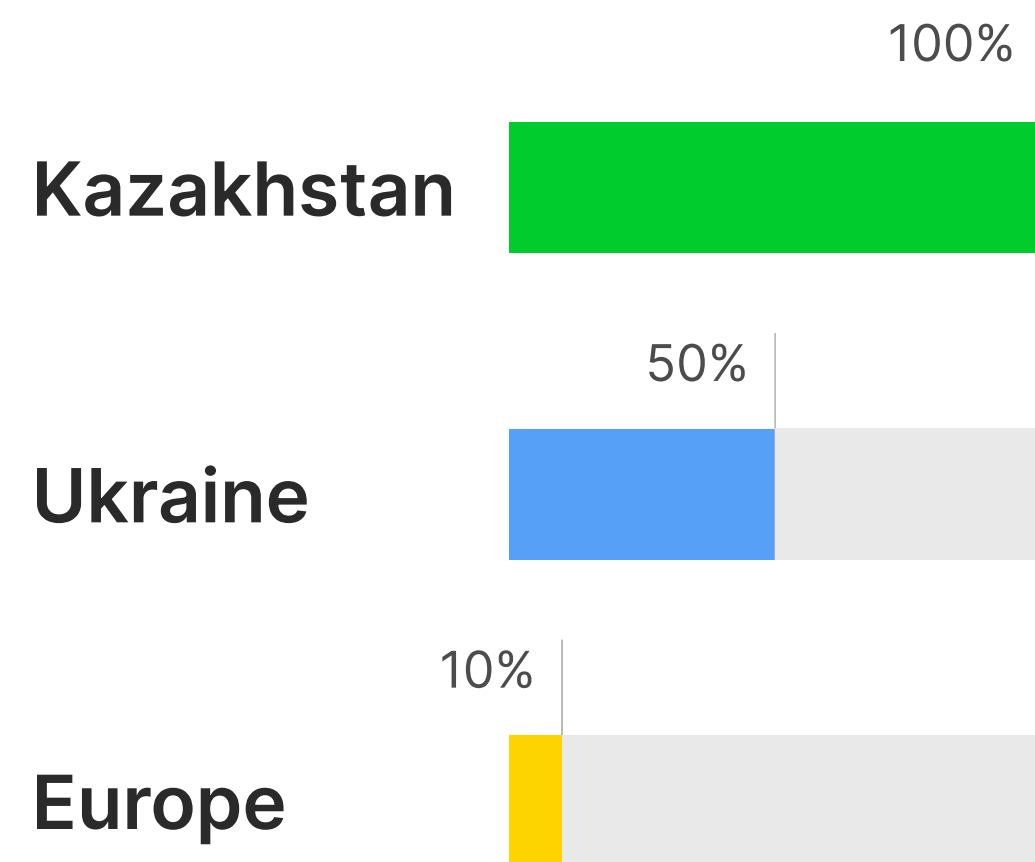
CURRENCY PROTOCOLS

Launch of services ensuring the interaction of banking infrastructure with the **Bit**bon System in 3 or more currency zones.

	50%
Kazakhstan	

	30%
Ukraine	

	5%
Eurozone	
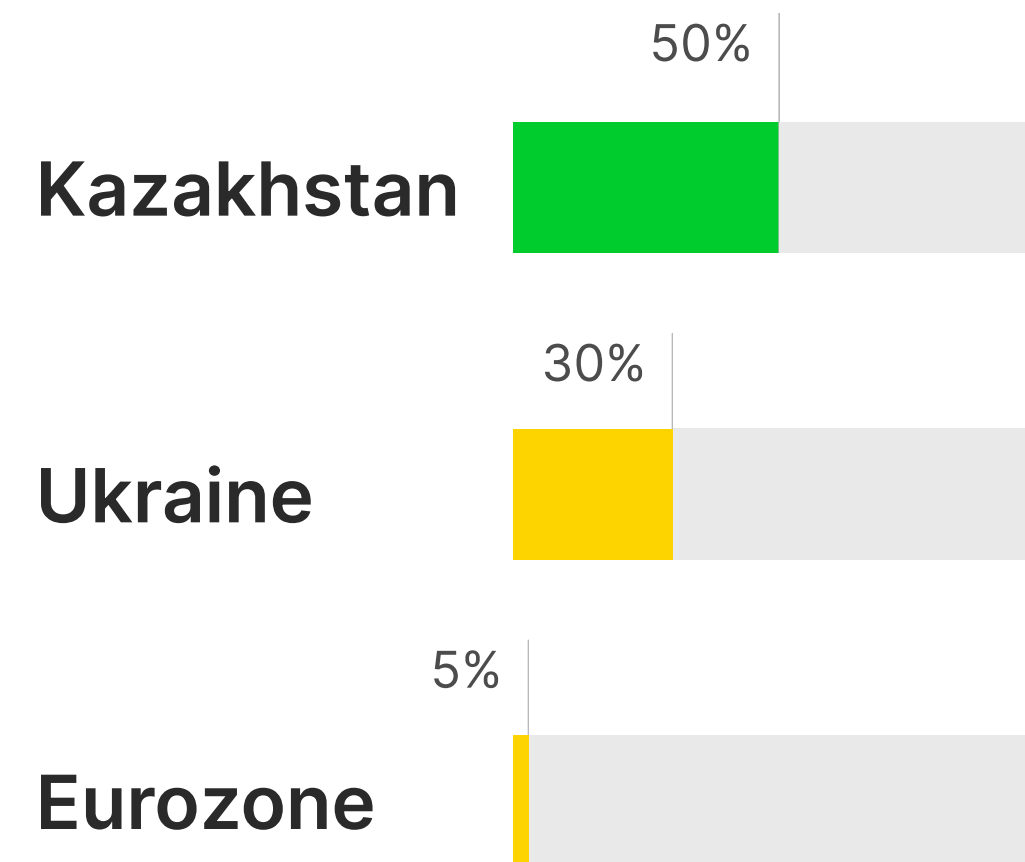
NEW PROFESSIONS

Realization of 9 statuses and 17 roles envisioned in the **Bit**bon System for the emergence and development of new professions.

** You can find more information in the Concept of the **Bit**bon System.*

	90%
Legal model	

	80%
Economic model	

	50%
Technical architecture	
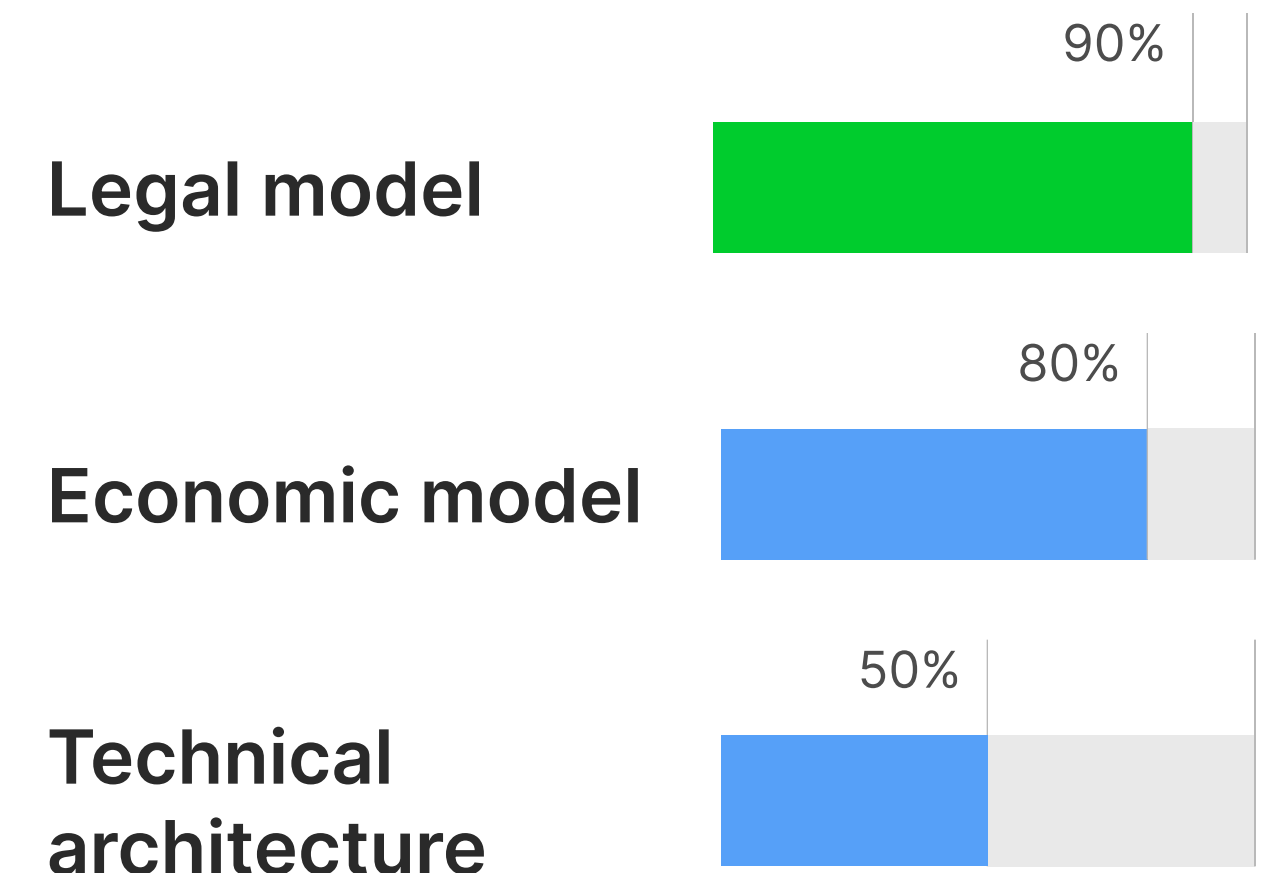
Stage 5: Exit   Launch of the Regional Operator in the Republic of Kazakhstan

Operational Establishment Stage   **95%**

- Company registration
- Conclusion of agreements with the First Operator
- Opening of the office
- Obtaining a permit (license) for the issuance and circulation of asset-backed digital assets
- Launch of official information resources.
- Renewal by Users of the public agreement with the Regional Operator.

Stage of Launching Services and Infrastructure

- Launch of the regional One Space app
- Deployment of the basic regional infrastructure of the **Bit**bon System
- Launch of the Academy of Platform-Based Economy
- Opening of Operators of social network segments

License

No. KZ31VWS00000002 (2025)

Registered address

Astana, Dostyk St. 16, Talan Towers Offices Business Center

Қазақстан Республикасының Цифрлық даму, инновациялар және аэроғарыш өнеркәсібі министрлігі

Министерство цифрового развития, инноваций и аэрокосмической промышленности Республики Казахстан

АСТАНА ҚАЛАСЫ, ,
(Мемлекеттік органның деректемелері)

Г.АСТАНА, ,
(Реквизиты государственного органа)

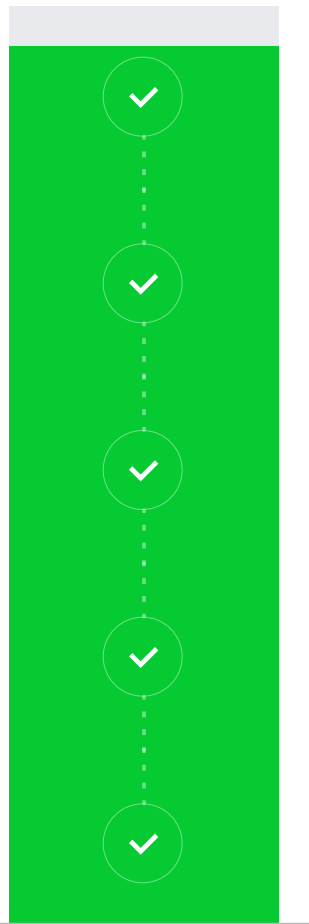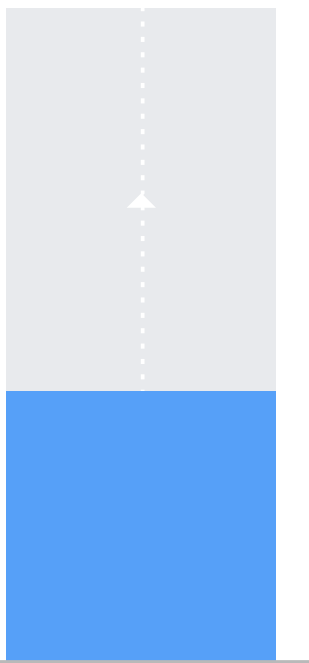Товарищество с ограниченной ответственностью "Интеграция в информационно -коммуникационную сеть - Казахстан"

010016, РЕСПУБЛИКА КАЗАХСТАН, Г.АСТАНА, РАЙОН ЕСИЛЬ, улица Достык, здание № 16
250740029638

Номер: (Номер документа)
№KZ31VWS00000002

Номер заявления: KZ31RWS00000036
Дата выдачи: 29.10.2025 года

РАЗРЕШЕНИЕ
на выпуск и обращение обеспеченных цифровых активов

Министерство цифрового развития, инноваций и аэрокосмической промышленности Республики Казахстан

(Наименование государственного органа)

в соответствии со статьей 6 Закона Республики Казахстан «О цифровых активах в Республике Казахстан» и Законом Республики Казахстан «О разрешениях и уведомлениях», учитывая прилагаемый перечень документов, выдано разрешение на выпуск и обращение обеспеченных цифровых активов на:

Система Bitbon

(наименование цифровой платформы по хранению и обмену обеспеченными цифровыми активами)

С целью:

Предоставление доступа к функциональным возможностям инфраструктуры Системы Bitbon посредством цифрового актива Bitbon

(описание цели выпуска и обращения обеспеченных цифровых активов)

010000, Акмолинская область, город Астана, улица Достык, дом 16

(почтовый индекс, область, город, район, населенный пункт, наименование улицы, номер дома/здания (стационарного помещения)

Особые условия: срок действия настоящего разрешения – 3 (три) года со дня его выдачи.

Примечание: обеспеченный цифровой актив не является расчетной денежной единицей, законным платежным средством; не признается финансовым инструментом или финансовым активом согласно статье 5 Закона Республики Казахстан «О цифровых активах в Республике Казахстан».

Председатель комитета   Байтурсынов Гиззат Сейдахметович

The **Bit**bon System start-up is an innovative project whose implementation involves complex, research-intensive processes, including the development of economic and legal models and multi-layer architectural solutions. As a result, actual service launch dates may be subject to change.
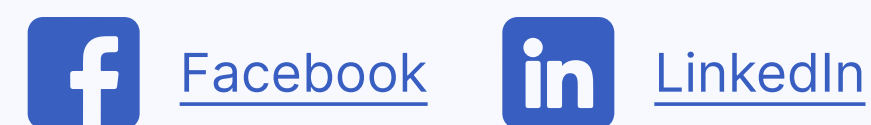
Join the Bitbon System Social Network!

"The platform-based economy has moved beyond a scientific phenomenon and has become a socially significant global phenomenon that will naturally lead the world to the transformation of social systems into more humane and sustainable ones.

Simcord team and I invite you to participate in the creation of the **Bit**bon System based on the scientific approach, and to develop new socioeconomic relations built on social values and human centeredness."

Facebook   LinkedIn

ALEKSANDR KUD

Founder of the IT company Simcord and the Research Center of Blockchain Solutions, ideologist and creator of the **Bit**bon System, philanthropist and visionary, Doctor of Philosophy (PhD), author of scientific publications and monographs on digital modernization in the state and the modern economy.

Additional materials

Bitbon System Concept

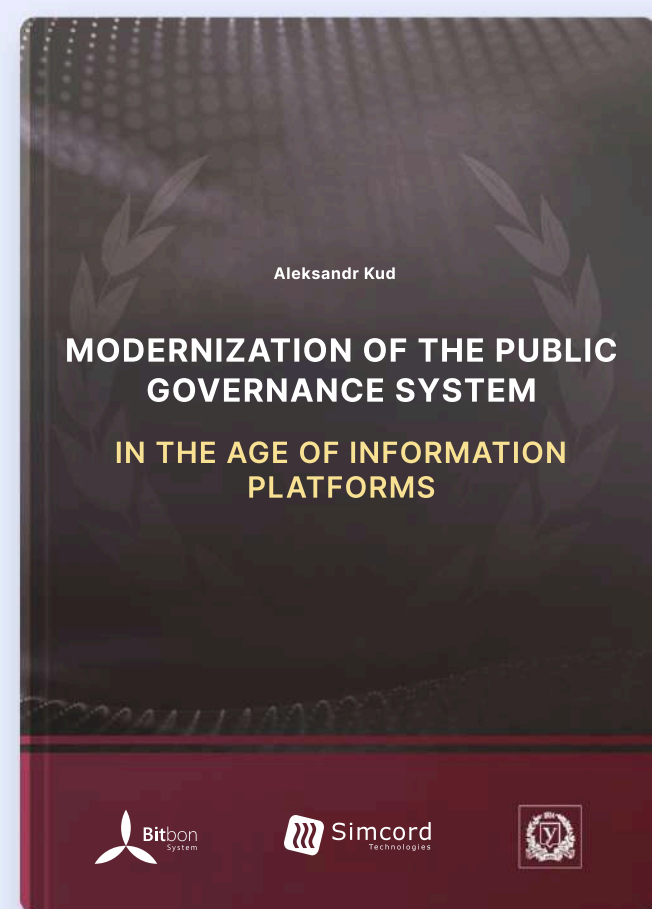Bitbon System Roadmap

Bitbon Protocol

Bitbon System Public Contract

www.bitbon.space

Simcord's Sustainable Development Strategy

www.simcord.com

RESEARCH CENTER
OF ECONOMIC AND LEGAL SOLUTIONS
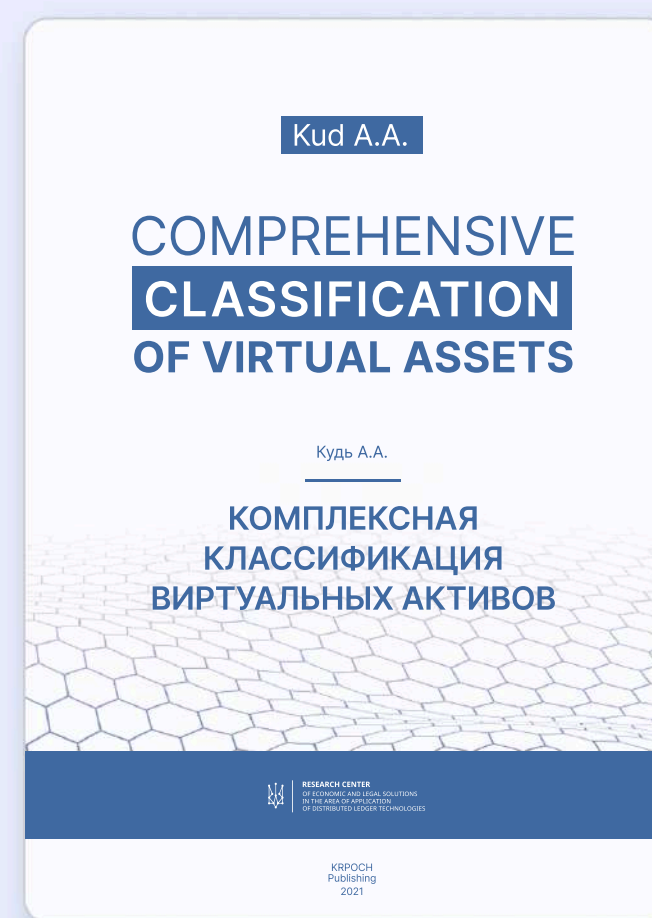IN THE AREA OF APPLICATION
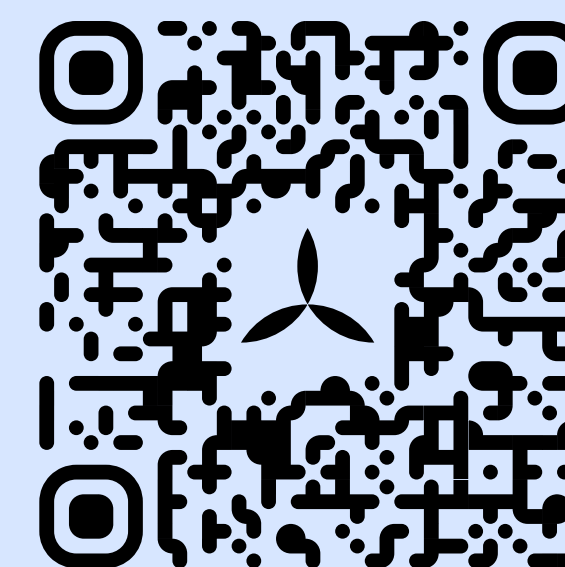OF DISTRIBUTED LEDGER TECHNOLOGIES

www.blockchainukraine.org

Modernization of the Public Governance System in the Age of Information Platforms

Digital Assets and Their Economic and Legal Regulation in the Light of the Blockchain Technology Development

Comprehensive Classification of Virtual Assets

You can find all research publications by following the link