

FIRST SCALABLE BLOCKCHAIN ENVIRONMENT FOR BUSINESS AND FINANCE

POWER CREATES A NEW ECONOMY hybrid and advanced infrastructure

Value Proposition and Benefits

- Fiat payments for services in the platform; in any currency for any jurisdiction. Including bank transfers or e-money.

- Businesses can create any code for a decentralized, independent platform for both developers and operators for the environment.

- Payment in the services platform allow for payments for any crypto actives within the jurisdictions where they are allowed.

- Automatic network scalability, coupled with ever-increasing speed and bandwidth.

- Affordable dedicated and private subchains for services and organizations. Fast connection, simple to use.

- Permanent low transaction costs, public network services while maintaining minimum costs in the private network

- Adaptive micro-economy, customizable to fit the needs of partners, projects and development of applications and services.

Smart Blockchain Environment

Hybrid digital space for business transformation, organizations and the interactions between them, as well as integration into a single trusted decentralized environment.

Crowd

Orders for the development of services and applications, User coding.

Computing

Distributed computing, smart contracts and services.

Payments

Technologies and tools for the creation of payment systems.

Automation

Integration for organizations blockchain environment, automation of processes and interactions.

Hybrid

A hybrid environment with public and private blockchains.

Storage

Decentralized storage monetization.

Architecture

Four coherent layer provides reliability, scalability, and decentralization with excellent characteristics.

Protocol "**Resonance**" is located within the **first layer**.

Customizable **subchains** - within the **second layer**.

Instruments used in the infrastructure - within the **third layer**.

API Is used in integration - within the **fourth layer**.



Specification

Consensus for high loads: **Resonance**

Throughput: more than **100,000 tp/s**

The cost of financial transactions: less than **\$ 0.01**

Variable time transactions: **less than 1 second**

Innovative consensus algorithm for systems with a high load based on the variation **BFT & DPoS**.

Specifically designed to work with **subchains**.

Technology stack

Core: **Erlang**

Mathematics, and other crypto modules: **Rust**

Completely new code, new scalable architecture, the new consensus algorithm with proven cryptographic functions.

Customizable Subchains

Customizable subchains form a single network with scalable blockchain **on-chain** transactions. Network bandwidth increases in proportion to the number of subchains.

Only 5 subchains give **100,000 tp/s** by distributing the load between them.

The rapid growth and scale network capacity will in the first phase - **hundreds of thousands of tp/s** and later - **More than a million tp/s**.

Types of subchains The types of tasks

- | | | |
|-------------|-----------------|---------------------|
| - Visitor | - Finance | - Data storage |
| - Private | - Calculations | - Lightweight store |
| - Dedicated | - Media storage | - Key Value store |

Smart contracts

The new standard for smart contracts for various purposes: **Web Assembly**

Our standard language for Smart Contract: **Rust**
WASM is compatible with: C, C ++
in the future: Java, Go, Solidity

Automatic treaties and organizations

Smart entity (**Smart Entities**) digital shell objects for businesses. Automated and self-managing contracts later (automatic) and the transaction organization, based on hybrid

decentralized solutions, integrated with automated and operating next-generation management systems for organizations, supplemented by AI and machine learning technologies.

New markets

Power technology transforms markets and introduces a new model of production, sales and distribution. It also succeeds in creating new markets for

automated systems, payment systems, digital content, transport, logistics, security and access control systems, telemetry and others.

Power_Wallet

Multifunctional application for user access in order to perform actions in the Power Network:

- **Smart assets**
- Control **Dapps**
- Voting system
- **Power Store**
- Expansion

Power_Store

Marketplace for distribution of content includes:

- Distributed applications
- interaction modules
- Templates of **subchains**
- Templates of **Smart contracts**
- Templates of **documents**
- Templates of **Smart Entities**

Power_Hub

Platform development and communications with deep involvement of the community, where users can enjoy additional features and integration modules for different softwares, developers can simultaneously fill orders.

Flexible economy

Power solves the problems of the existing technology's blockchain:

- **Economic efficiency** is too low.
 - **Cost** of the transaction is too high and susceptible to speculative influences.
- This hampers the practical implementation in organizations.

The main parameters of the effectiveness of the economic model of Power is the cost of providing services and modes of payment. To ensure the required flexibility of the technology is based on a two-tier economic model.

Basic economics

Low cost functions and services. **Smart Blockchain environment**, which provide stability index **XDR (SDR)**.

Service economy

Any business partner, project or startup, can create their **own ecosystem**. In addition to providing a service or application with a unique economy in a trusted environment.

Use of the environment

Power provides three types of interaction:

- **Constructor** GUI for creating smart contracts and agreements (contracts)
- **Industry API**
- **Smart contracts**

Smart Blockchain Environment minimizes the barriers to entry for companies:

- **lightweight protocol** for purses and Internet of Things
- **Digital assets** and multicurrency
- **KYC/AML** for users

Smart key (SK)

A new kind of digital licenses.

SK license gives the right to perform operations on Power_platform - one license gives the right to conduct one operation per day. Possession of a large number of licenses increases the rate of reaction is a multiple of the number of licenses owned by the user.

Licensing policy, digital assets and tools. Sales Strategy Power.

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Licenses provide access to commit the transaction and perform actions in a distributed registry for the use of infrastructure and services, digital assets, instruments, certificates and tokens embedded in the platform on the basis of Hybrid Technology Power.

Licensing policy, digital assets and tools. Sales Strategy Power.

forthcoming

April 2018

License Agreement for Power Users (EULA).

forthcoming

April 2018

Active selling of licenses and Power digital assets.

April 2018

We invite buyers, resellers and purchase agents, licenses and distribute to assets.

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