



Blockchain
is transforming Financial Services



The Financial Services industry is fundamentally about facilitating the trusted exchange of value between multiple, untrusting parties.

Brokering that trust is an enormous responsibility and carries significant risk, which is why the industry has become increasingly reliant on costly intermediaries, manual processes, and error-prone reconciliations.

Today, more and more Financial Services institutions are looking to blockchain to enable more efficient cross-organizational collaboration, eliminate intermediaries, and create disruptive business models.





Banks that are now investing in blockchain technology can expect to receive unique competitive advantages in the near future.

A single information domain, immutability of data, the fantastic possibilities of smart contracts are what attracts financial institutions to explore and adopt this emerging and disruptive technology.

BitRezus will contribute to this direction having know-how advantage of customizing private blockchain applications as vertical end-to-end solutions





Current Problems

Rising value in the chain.

Transactions expenses and commissions to intermediaries between the sender and the recipient increase the cost of services.

Delays in data transfer.

Each participant in the chain increases the total processing time of transfers during the validation of each transaction.

Financial restrictions.

Regulators and States impose restrictions that banks ought to follow.



New solutions and approaches

Blockchain allows you to perform operations instantly and reduce operating costs significantly.

New products implemented on the blockchain and smart contracts will allow previously financial products to work more efficiently.

Technologies of the distributed ledger and publicity of data for banking operations.

- Exclusion of intermediaries for transactions between two parties.
- Automation of banking processes through smart contracts and creation of self-executing services.
- Use of tokens in banking products for global payment solutions.



SWIFT



The Society for Worldwide Interbank Financial Channels (SWIFT) has published the results of testing a solution based on a distributed registry for Nostro correspondent accounts.

34 banks took part in testing DLT solutions based on the Hyperledger Fabric v1.0 platform.

According to the results of the experiment, the researchers concluded that the Blockchain technology can be effectively used to reconcile international Nostro accounts in real time.

VISA



Visa presented the first pilot stage of its B2B Connect business payment service project based on Blockchain technology.

A new platform announced last year is designed to simplify cross-border payments by facilitating direct payments between companies, excluding intermediaries.

DLT platform also provides security and transparency of payments.

Crypto Currencies

Tokens, actives, wallets, exchanges, transparency, immutability, security on transfers, payments, purchases, buy and sell any of the "values" introduced into the blockchain platform, is potentially the added value that crypto currencies provide to fintech industry at nowadays.



BitRezus Solutions

We know how to can create and execute decentralized applications, taking into account any particularities of your banking business along with the regulations and standards

Decentralized data
Permissioned accessible data on transactions for all interacting parties.
Protection against moderation of rules and conditions to guarantee the proper results of banking transactions. Data Storage in a blockchain ledger which is secure with cryptographically and complete immutable.



BitRezus Solutions

Automation of asset management within the blockchain network by means of self-executable programs of unlimited complexity. Unique tools for creating and managing contracts.



Smart contracts

Smart contracts are autonomous, automatically executed software algorithms designed to automate the execution of contractual obligations of participants in any transaction based on blockchain technology

BitRezus Solutions

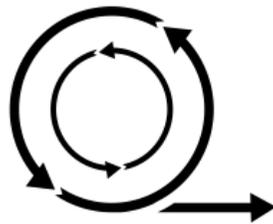
Issue tokens and crypto-actives for your banking services and processes, by using smart contract platform's tool.

Cryptocurrencies and utility tokens as many you may need to cover any financial product or service and reward your loyal clients.



BitRezus Solutions

Our platform is a completely autonomous system that allows you to create independent autonomous services using cycles, schedules, and other smart contract capabilities.



Derivatives on blockchain

Based on the smart derivative contract can reduce delays from days to minutes and dramatically reduce the cost of dispute resolution.

The derivatives operation scheme records the resolution conditions directly into a smart contract, this will allow participants not to risk delays and, in some cases, resolve disputes without going to court.

Bonds on blockchain

Placing bonds on the blockchain with the reconstruction of the full life cycle of a security in the form of a set of smart contracts.

The smart contract takes into account all stages - from the placement to the issuer's performance of its obligations to the investor.

The flexibility of smart contracts allows complex-structured transactions on the platform, eliminating the possibility of bank employees' mistakes.

The system for tracking the movement of documents and payments remains transparent to all participants in the transaction, while maintaining confidentiality.

In addition, the blockchain provides high speed of work with securities due to instant data processing and payments.

Display transactions

The platform has advanced monitoring tools that allow all members of the network to keep track of all data on ongoing transactions.

Such openness greatly simplifies many processes, reducing the time for searching, querying and processing data.

All transactions are automatically recorded in the general registry, where they are always available.

Open operations statuses

Through Monitor, you can also always track transaction statuses.

They are updated automatically and are available to all participants of the process in real-time mode.

The encrypted content, in turn, can be seen only by the owners of the corresponding keys.

Mutual settlements between banks

The blockchain accelerates settlements between banks from several weeks to several seconds and reduces the cost of individual operations.

Settlement between banks can be made directly without the participation of the regulator in the form of a central bank (where this is possible from the point of view of the law).

The conditions of such operations are written into smart contracts and are regulated by them.

Digital identification

The public and private key pairs can be used to identify clients and participants.

The client can store all his personal data in the blockchain network and access it by using his private key.

At the same time, a unique public key will help others identify him to other network users.

KYC – Know Your Client

At the stage of registering a new client, the bank carries out mandatory procedures for its identification.

Later, in the process flow, the system of public and private pair keys helps to accurately identify the client, and also instantly opens access to his documents that can be requested by the bank.

Escrow

The blockchain in this case plays the role of an impartial third party. Smart contracts can regulate the sharing of escrow accounts, while access to any one of the parties to the transaction may be limited by certain conditions.

A rather complicated escrow execution mechanism is easily controlled by a smart contract which automatically is being triggered when specific events happen.

Letters of credit and the guarantor of the transaction

All processes relating to the issuance of a letter of credit and the fulfillment of the conditions on them may be governed by smart contracts.

Smart contracts are able to provide all the terms of the contract between the borrower, the guarantor bank and the beneficiary bank, and track their implementation and non-fulfillment.

A distributed data registry guarantees the immutability of this data, and instant transactions allow you to transfer funds from bank to bank in a matter of minutes.

Mortgage transfer

Smart contracts are able to make a conclusion about the possibility of registering a transaction according to the rules based on an analysis of trusted external data (including registry data).

On the one hand, a smart contract can trace the debtor's fulfillment of its obligations under a mortgage agreement.

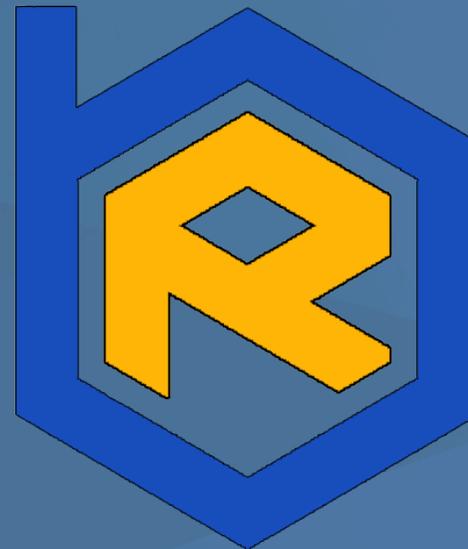
On the other hand, collect data from external sources and register the right of ownership when the conditions prescribed by the contract occur.



Why to choose BitRezus?

We have created a unique blockchain ecosystem, which allows you to use blockchain technology stack in every industry

- Unified protocol of release, storage, transfer of financial assets
- Infrastructure in the form of a distributed network with a public registry
- System accounts with public and private keys
- Set of security systems
- Built-in programming language for creating services





Contact us

We have a team of strong programmers and Technology Consultants who can Help you with the PoC (proof of concept) and MVP

Visit our website : <https://bitrezus.com>