



Executive Summary

GridEx is a unique solution for banks - future leaders of the crypto industry.



We are developing a high-performance interbank infrastructure for the turnover of crypto-currency liquidity and HFT trading, which allows each participant to use cryptocurrency and convert it with minimum delays and maximum speed. GridEx is the FOREX for cryptocurrency transactions, using a different architecture and with an improved technology solution.

Registered users of the GridEx infrastructure are able to choose any of the functions that they find useful.

Support of HFT will become a key feature of GridEx infrastructure - the first one among cryptocurrency exchanges, designed specifically for HFT requirements, which will radically increase the liquidity of all traded instruments, thereby making our infrastructure attractive to use.

Problem

HFT implementation on decentralized exchanges (over Blockchain) does not allow scalable HFT solutions. This includes the lack of local data in calculating the depth of market for each traded instrument.

At the moment, none of the existing stock exchanges allows the full implementation HFT. This is due to architectural reasons. The initial orientation of most cryptocurrency exchanges is for manual trading and there are a lack of technical opportunities to fully provide services for algorithmic trading. This is because it exerts excessive, unmanageable load on the server.

Solution

GridEx infrastructure solves the problem of liquidity for significant cryptocurrency assets, and banking groups, by introducing a safe, high-performance and innovative infrastructure for manual and, most importantly, automatic trading, which is available 24/7.

This system, using a separate API, supports HFT. It allows the user to conduct up to 100,000 transactions per second for each depth of market with a 10 Gigabit channel, providing each with a separate server.

With a separate trading and analytical terminal (including technical analysis support) and the ability to write its own indicators, the system provides trading with direct participation of released GEX tokens in the GridEx infrastructure. This is possible due to the payment of trading commissions and the possibility of linear infrastructure scaling.

The geo-distributed decentralized system will allow direct access and minimum distance from the bank servers to our equipment in the GridEx data centers in three of the largest financial locations - Tokyo, Zurich, and Chicago. In the future, we will open data centers in Frankfurt, London, Singapore and New York (after receiving legal opinion).

Commission fees for banks and large traders will be ten times less than on existing exchanges, which will allow them to resell services to their customers with high profits.

The Company and Management

GridEx is headquartered in Zurich, Switzerland.

Anthon Ternyavsky

Co-founder

Over 25 years of experience in programming. Chief and development architect of the trading and analytical platform AlterTrader. Worked in well known Russian IT-companies as a development leader. During the last 9 years has been working in CJSC "Kaspersky Lab".

Evgeny Ternyavsky

Co-founder

Trader, leader, innovator, inventor, crypto enthusiast. Professional with more than 11 years experience in the international trade of raw materials.

Eugen Ambur

Business development manager

The list of advisers will be published soon which will include market leaders in the Swiss financial sector.

Our Services

- When making trade transactions in any direction, **GridEx** will offer to pay our commissions in GEX tokens with a discount of 50% during the first year of the platform operation.
- **GridEx** will provide API for autotrading (including FIX Protocol) via WebSockets, and a basic set of tools for browser based technical analysis.
- **GridEx** will provide low fees when paying for GridEx infrastructure services.
- Advanced services for cryptocurrency market analysis.
- Insurance with contributions and insurance payments through Blockchain. Clients will be able to insure their possible risks within the exchange infrastructure.
- Installation of equipment for HFT in data centers, where the GridEx server is to be located.

Gridex will create several crypto exchanges that will operate simultaneously. Based in main financial centers, with individual depth of market, it will minimize the time spent and enable HFT, and the possibility of maximally close customer access to particular exchange.

Each exchange will have an appropriate set of spare server clusters and a single infrastructure for authorizing and storing cryptocurrency assets. This will allow customers to choose the exchange for trading dynamically - depending on their preferences, the fullness of the particular depths of market and a number of other features.

Industry Size

The cryptocurrency market is developing rapidly, with more and more people trading. The daily volume of cryptocurrency trading, as of December 7, 2017, is close to \$28 billion (according to coinmarketcap.com). As a comparison, the Forex market has an average volume of at least \$3 trillion per day.

We are confident that we will see a continued and exponential growth of the cryptocurrency market. With the help of large players in the financial infrastructure and banks entering the market, this will rapidly increase its market share implementing traditional and easy-to-use tools.

Our Competitive Advantages

The main core of the geo-distributed decentralized ecosystem GridEx, is a high-performance exchange. In the future, we will deploy our own high-performance Blockchain with a transaction speed over 1000 operations per second for our infrastructure tasks, with insurance guaranteed by a smart-contract.

The amount of income received depends on the established commission. There are two main options: for manual trading, in which the commission will be comparable with the other exchanges (no more than 0.2% of the transaction value), and for HFT trade, where commission will not exceed 0.01% of the transaction value. With the growth of trade volume, HFT commissions will reduce.

One of the main advantages that GridEx has is expertise and, in particular, the expertise of one of the founders Anton Ternavsky. This knowledge has been attained during the long period of trading stock solutions development in 'regular' markets, as well as a solution for building the architecture of the new technological level for cryptocurrency infrastructure implementation.

In the future, the first implementation of the GridEx cryptocurrency is planned on F#, with the support of turing-incomplete smart-contracts to fulfill the exchange's insurance obligations and efficient storage of the encrypted halves of the user's private key (to be implemented later).

Also, it will be possible to migrate GEX tokens to this cryptocurrency by user's request, with a subsequent burning of GEX tokens in Ethereum Blockchain, thanks to the transfer of tokens via GridEx exchange infrastructure.

Let's consider a competitive analysis of GridEx characteristics and its biggest competitors:

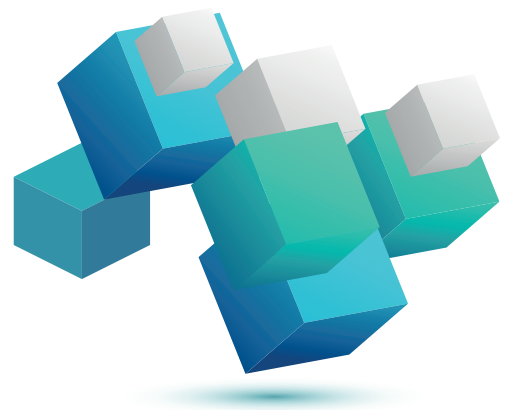
	GridEx	Binance	OKEx	Upbit	Bitfinex	Kraken	Bitstamp
Transaction speed for one traded instrument 100 000	+	-	-	-	-	-	-
High-frequency trading (HFT)	+	-	-	-	-	-	-
Security Blockchain	+	-	-	-	-	-	-
Powerful tool for technical analysis	+	-	-	-	-	-	-
Smart Contract Insurance Policy	+	-	-	-	-	-	-
Instant cryptocurrency conversion, P2P payments	+	-	-	-	-	-	-
Infrastructure for buying/selling any goods with cryptocurrency	+	-	-	-	-	-	-
When paying commission with GEX tokens, customers receive a discount on the service provided	+	+	-	-	-	-	-
Referral program for clients	+	+	-	+	+	-	-
Token holders can participate in a survey on identifying the most popular coins and tokens on the cryptocurrency market	+	+	-	-	-	-	-
24/7 working in world's biggest financial centres	+	-	-	-	-	-	-

Economic model of GridEx infrastructure

The release of the GEX token will allow the organisation of a market feedback mechanism in the GridEx infrastructure. Token price will depend on the success of GridEx development.

The value of GEX will be created under the following scenarios:

- 1** Payment of GridEx Infrastructure Commissions with GEX tokens when making commercial transactions in any direction, including a 50% discount from the commission, that would have to be paid when making a deal without using GEX tokens.
- 2** Token holders will participate in the survey to identify the most popular coins and tokens on cryptocurrency market. The exchange will consistently increase the amount of equipment, which means that we are forced to create a priority for adding traded instruments to the exchange. Monitoring will take place at a certain frequency, as the entire architecture of the exchange is scaled.
- 3** In the future GEX token will be used to provide exclusive services, depending on the amount of GEX deposited (installation of equipment for HFT in data centers where the GridEx servers will be located, a significant reduction of commissions when paying for GridEx infrastructure services, advanced crypto exchange market analysis services and other services).
- 4** Further transition of GEX to the separate Blockchain will expand the use of the GEX token to new areas. The GEX token will always be a traded instrument on the GridEx exchange, so anyone wishing to buy or sell GEX will always be able to do so on our stock exchange and within the GEX depth of market.



Financial forecasts

2018-2019

3% = \$0,8

billion
per day

2019 = \$2,8

billion
per day

During the
first year we predict a profit

1050%

At the first stage of the project,
we need to raise \$ 12 million.

Start-up Financing Requirements

GridEx

During 2.5 years of product creation,
the founders team invested

\$ 285 000

for the client
terminal
development

\$ 180 000

for infrastructure
development

During the first stage of crowdfunding, we need to raise \$ 45 million to create a geo-distributed decentralized pool of liquidity in a form of crypto exchange that supports HFT, with a main active server cluster located in Switzerland. In the future we will need to raise a further \$85 million for scaling in other countries and financial centres (as detailed above), and to realise the projected return.

You can find more detailed information about our model of crowdfunding, technology stack and a legal opinion by additional request.

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The project site will be launched on April 05, 2018 will be found at <https://gridex.net>