



WHITE PAPER

Verzia: EN_2.10

Dátum: 19.4.2020

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INTRODUCTION

Technological advances, which we nowadays consider to be a routine and integral part of our lives, faced a multitude of obstacles in the past. Automobiles, electricity and the internet. These were all concepts that were familiar to no-one, and many refused to believe the ideas when introduced to them. But their authors were not put off, and they worked on their thoughts and ideas, often for the whole of their lives.

*// History teaches us that the greatest victories
are usually preceded by the surmounting of obstacles.
Victors refuse to be disheartened by obstacles.. //*

Bertie Charles Forbes

We are all lucky that there were people in the past who supported these ideas and projects. They helped simplify our lives significantly, and humanity is still pressing forward.

We believe that cryptocurrencies and blockchain technology are another advance and bring benefits that will help us in various important areas of life.



VISION

At the birth of the Internet and during the first years of its existence, despite the evident breakthrough nature of this technology, its development was driven forward only by a handful of visionaries. At Dollero Technology, **we believe in blockchain technology as we see it a fundamental shift** in the era of digital technologies we are slowly entering into. For this reason, we want to participate in the further development of this groundbreaking technology. Our vision is to **create a complex ecosystem** including, in particular, our own cryptocurrency exchange Dollero Exchange, payment cards and blockchain applications. We will ensure liquidity, exponential expansion of the platform and **wide usability of Dollero cryptocurrency** thanks to its implementation not only in the digital world but also in everyday life.

The main problems of the current crypto world are in particular an inadequate level of security, the usability of blockchain technology and individual cryptocurrencies, and the complexity of these technologies for the general public.

In the first phase of the project, we are focused on solving current problems and we will help spread the technology among the general public. A **high level of security** will mean that members of the public will not have to worry about their funds and will be able to use them securely as they do on the financial and banking market. Therefore, we are developing the necessary security of our platforms in **collaboration with an international leader in cyber security**. A further level of protection that we will provide to our clients is the **insuring of cryptocurrencies on Dollero Exchange** in cooperation with an international finance and insurance partner.

Another problem that we are concentrated on during the first phase is the **liquidity of cryptocurrencies and their usability in real life**, since we do not consider the possibility of paying with cryptocurrencies in certain selected areas to be systemic. The transition to a payment system based on cryptocurrencies will not be straightforward, and it must therefore be carried out gradually in a few steps. The decision, in the first step, to use **payment card technology that already exists**, and to which we will connect our cryptocurrency Dollero by means of the Dollero Club, is the ideal solution. Thanks to this step, it will be possible to **pay with Dollero wherever** classic payment cards are accepted.

Cryptocurrencies and blockchain technologies are currently used by only a fraction of the population. This is due to the complexity of the technology and the complicated nature of issues surrounding cryptocurrencies and trading with them. As new technologies require **emphasis on education**, we have decided to launch the **Dollero Club**, where we are motivating members with cryptocurrency Dollero to educate themselves. In order for the platforms to benefit the most users possible, they will all be simple to use, so that they are accessible to everyone while also providing the tools demanded by the most exacting professionals.

1

In the first phase of the project, we focus on education through Dollero Club, where we help people understand and adopt new technologies. We will connect payment cards to Dollero Club system, which will enable payments via Dollero cryptocurrency. We have also developed the **electronic wallet Dollero Wallet** and are currently working on the development of **Dollero Exchange**. These platforms provide maximum protection for all stored resources. On the basis of a unique level of security, we will, in cooperation with our international insurance partner, bring insurance to our clients cryptocurrencies.



2

The second phase of the project consists of the **development of blockchain applications** (accounting and logistics of transport), which will be prepared in cooperation with our partners - the leading companies in the industry. The main condition for starting cooperation with them is the agreement on the development of these applications.

3

In the third phase, we **make our capacities available to interesting new projects**, which the Dollero Club community will vote for. We will help them, among other things, with the preparation of expert project documentation, the organisation and implementation of the ICO, and listing on the Dollero Exchange.



KEY VALUES

- A unique level of security of our platforms in cooperation with an international leader in cyber security
- Own technological solution of Dollero Exchange
- Exchange (trading) platform bringing professional trading tools known from financial markets using state-of-the-art technology
- Insurance of cryptocurrencies stored on Dollero Exchange
- Connection of payment cards, thus exploiting the potential of already extensive payment terminals
- Dollero Club – education in cryptocurrencies and blockchain technologies increasing the number of cryptocurrency users
- Dollero Club Holder – part of the profits of the whole company will be redistributed among Dollero holders
- Blockchain technologies – accounting, transport logistics and others
- Support for interesting blockchain projects

MARKET CHALLENGES & OUR SOLUTIONS

The cryptocurrency market is young and therefore there are still many problems in it. Without solving these current issues, broader use of blockchain technology cannot be expected from the public.

MARKET CHALLENGES

SECURITY

Protecting users' funds is currently one of the major problems of the cryptocurrency exchanges. **Frequent hacker attacks** and theft of various cryptocurrencies from cryptocurrency exchanges are nothing new.



LIQUIDITY

Utilization of cryptocurrencies in real life is currently low. Payments at places like as e-shops, cafes and a few classic stores are not systemic. Cryptocurrencies need to be generally accepted by the market so that the user can pay for goods and services with cryptocurrencies everywhere.



COMPLEXITY

Technology itself, as well as the process of buying and selling cryptocurrencies (trading), **requires knowledge and experience** that people must first become familiar with. Users lack information about these technologies to imagine the possible scope of blockchain usage.



OUR SOLUTIONS

SECURITY

With our partner, an international leader in cyber protection, we will set **new standards for cryptocurrency security and protection.** Due to the high level of security of our platforms, we will also provide our clients with an additional degree of protection in the form of **insurance of all cryptocurrencies held by the Dollero Exchange.** This service represents Dollero Technology's **main competitive advantage** in the cryptocurrency industry.

LIQUIDITY

The practical usability of cryptocurrencies in real life can be achieved using our **own payment cards.** Holders will be able to send their D-points directly to these cards and use them to purchase goods and services in real stores. In the next step we bring the possibility to exchange Dollero for D-points, which makes it **possible to pay with Dollero anywhere.**

COMPLEXITY

At the Dollero Club, we focus on **cryptocurrencies and blockchain technology education** through the academy. We motivate our members to educate themselves through rewards in the form of the Dollero cryptocurrency. We develop all technologies and platforms with an emphasis on their simplicity and professionalism. In addition to professional tools, they will also include options for easy buying and selling.

TOKEN DOLLERO

Token Dollero is issued on the Ethereum blockchain and is built on the **ERC-827 protocol**. Its compatibility with the most widely used ERC-20 protocol makes it possible to co-operate with many projects. The extended functionality of this protocol will find its use in the later stages of the project.



BASIC INFORMATION

Name: Dollero

Ticker: DLLR

Blockchain: Ethereum

Standard: ERC-827

Emission: 40,000,000 pcs

ICO price: EUR 1.00

Softcap: EUR 2,000,000

Hardcap: EUR 12,000,000

Issue date: 1.11.2018

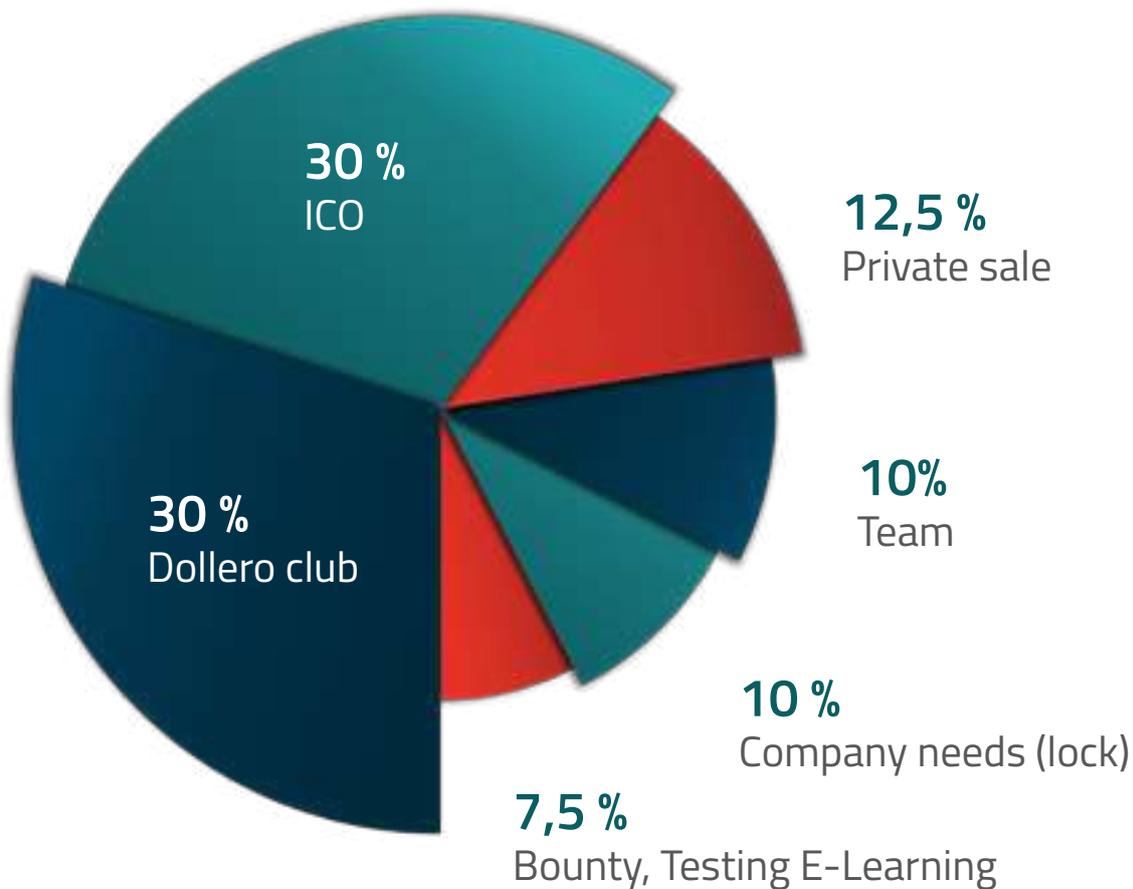
The Dollero is a **utility token**, and in the first phase it will be possible to pay Dollero Exchange fees that are lower than fees paid in other cryptocurrencies.

D-POINT

D-point is a form of **stable coin** designed for Dollero Club and Exchange. Its **value is fixed - EUR 1.00**. Club members can earn these points through Club's active referral program and will then be able to transfer these funds to Dollero payment cards. At the same time, we will use these points as part of tradable pairs on the exchange to bring exchange clients the possibility to **transfer their funds to Dollero payment cards**.

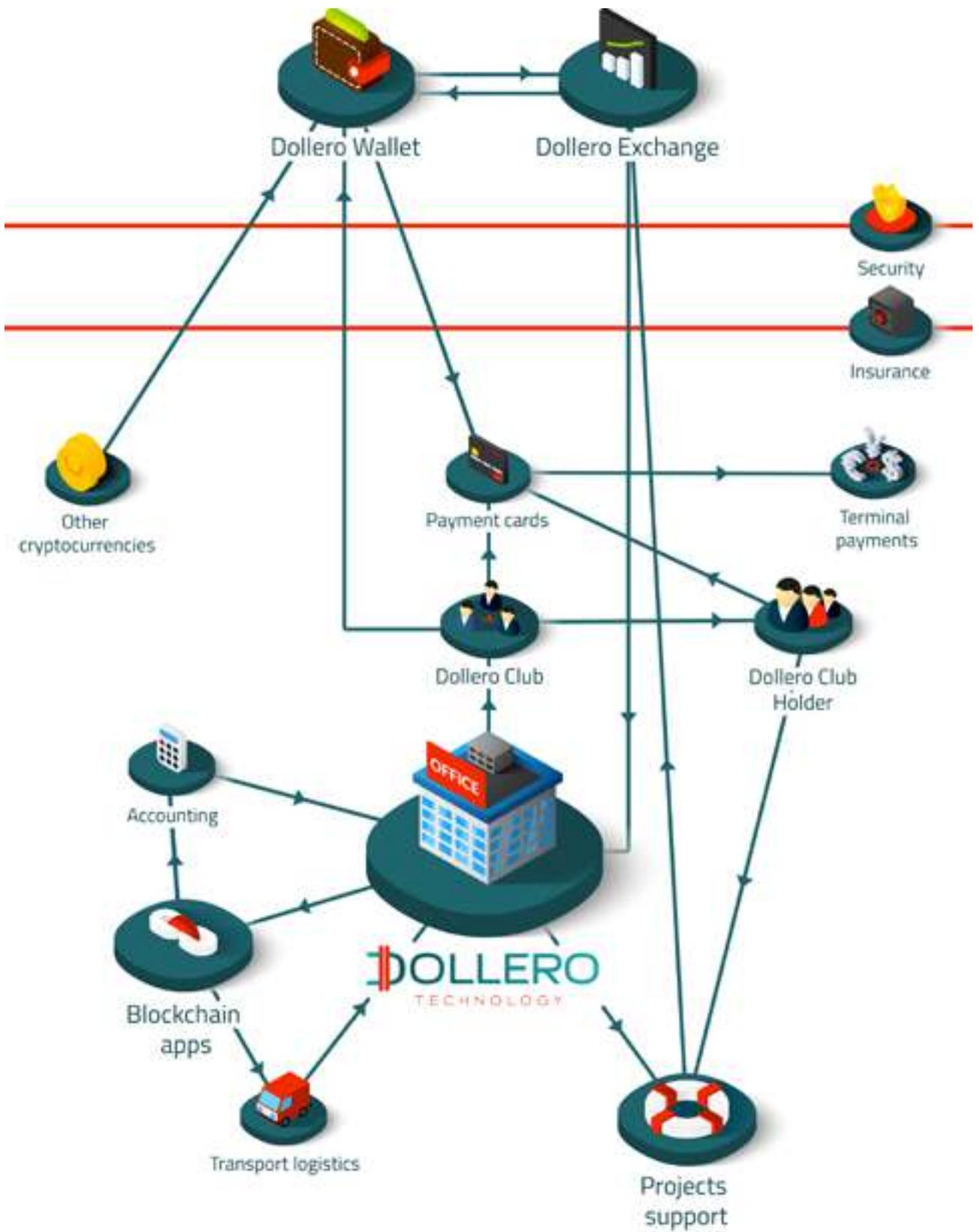


DOLLERO DISTRIBUTION



30 %	Dollero Club
30 %	30 % - ICO - unsold coins will be burned PreSale CrowdSale
12,5 %	Private sale (lock - 12/18/24 months)
10 %	Team and advisors
10 %	Company needs (lock - 1 year after launch of the exchange)
7,5 %	Bounty campaign - rewards for promotion
	Testing reward - rewards for testers of individual technologies and applications
	E-learning - rewards for education

EKOSYSTÉM



DOLLERO CLUB

Dollero Club is designed for **absolute beginners** in cryptocurrencies and blockchain technology, as well as **experienced crypto-traders**. Its main part is the academy which through its program gradually **explains the functioning of blockchain technologies, trading with cryptocurrencies as well as the overall issue of personal finance**. For more experienced traders and professionals, we will bring **expert analyzes** and recommendations for long-term and short-term purchase of cryptocurrencies.

- One-time purchase of Dollero at least 1,500 pcs
- Joining Dollero Club with monthly payment from € 20.00

Dollero Club operates on the principle of monthly payments. Members choose the amount of the monthly fee (from 20 € / month), they pay. The amount of payment influences their monthly bonuses gained in the form of the Dollero cryptocurrency.

For active recruitment of new Dollero Club members, members are entitled to receive a referral bonus - 15% of the value of each member's payment in the form of D-point club points.



DOLLERO CLUB

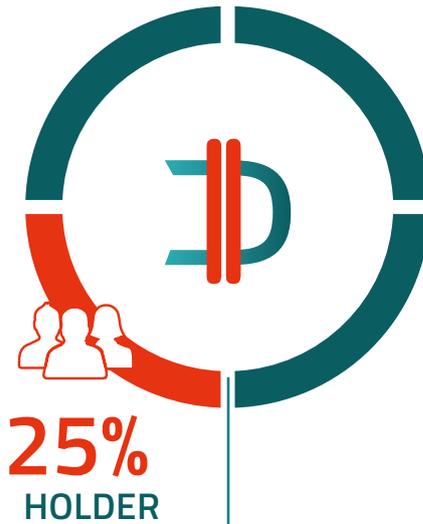
We will **connect payment cards** to the Club in several steps. In the first step, we will make it possible to send our club points (1 D-point = EUR 1.00) that members have received through the referral bonus. In the second, we will make it possible to **exchange D-points for Dollero**, and therefore possible to make **Dollero payments at all places with payment terminals**.

Registration to Dollero Club takes the form of buying „multiples“ until all the Dollero (12 million DLLRs) allocated to it have been spent.



DOLLERO CLUB HOLDER

We appreciate everyone who has decided to take part in the Dollero Technology project through a private purchase, ICO, or through the Dollero Club. **Therefore, in the Holder phase, we will distribute a total of 25% of the company's total profit as stated in the annual report.** The main source of this profit is the Dollero Exchange and blockchain applications that will be added later. The amount of Dollero held determines one's position within the membership hierarchy during the Holder phase.

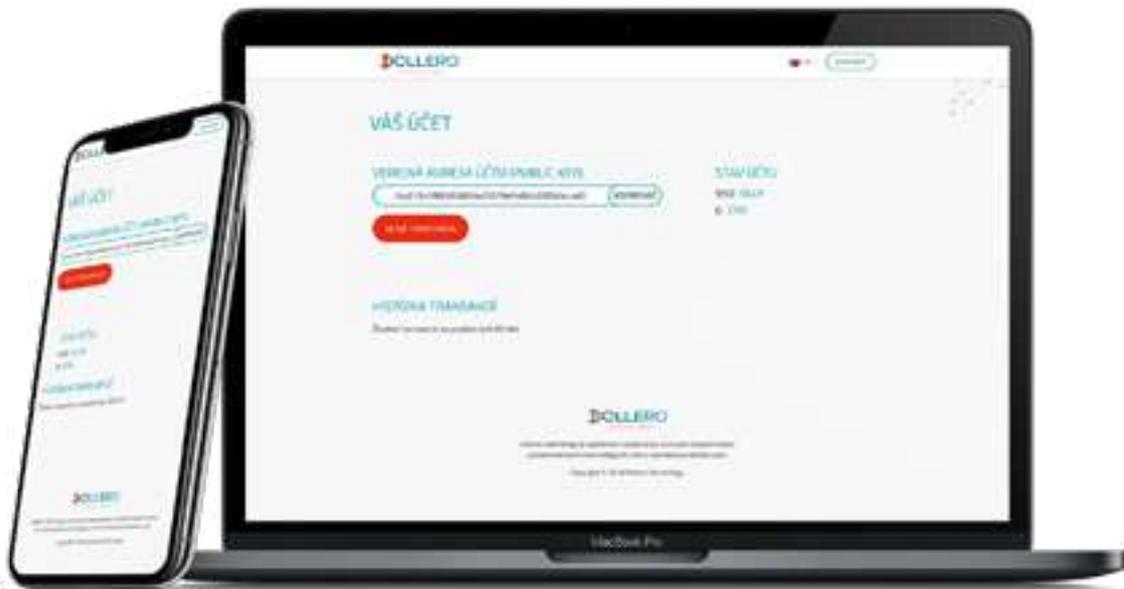


SILVER	GOLD	PLATINUM
1 500 - 14 999 DLLR	15 000 - 99 999 DLLR	100 000 DLLR +
access to the academy	access to the academy	access to the academy
voting right in polls	voting right in polls	voting right in polls
crypto analyses	crypto analyses	crypto analyses
ICO analyses	ICO analyses	ICO analyses
4% share of profits paid annually in equal shares to all members at the given level	8% share of profits paid annually in equal shares to all members at the given level	13% share of profits paid annually in proportion to the number of held Dollero



DOLLERO WALLET

The electronic wallet Dollero Wallet was released on November 1, 2018. It is now a **full-featured tool for receiving and sending payments** at the blockchain Ethereum. It includes transaction history and displays „locked“ Dollero for private investors. We are working on the implementation of **security elements from ESET** - two-factor authorization and additional security of servers.



The next stage of development of Dollero Wallet is a **multiblockchain electronic wallet** that allows users to manage coins and tokens not only from the Ethereum blockchain but also from others (e.g. Bitcoin). **A high level of security**, user comfort and protection by means of biometric elements is a matter of course.



DOLLERO EXCHANGE

ISSUES OF CRYPTO EXCHANGES

SECURITY

Exchanges are currently the space where most **thefts and hacking attacks** take place. Their protection and security therefore **do not cover current market requirements**. Traders have every right to be afraid that their funds will be stolen. They accept this risk only very reluctantly or spend a large amount of funds on repeated deposits and withdrawals very day as they are afraid to leave their funds on an insufficiently secured exchange.

LIQUIDITY

Several crypto exchanges have a problem with liquidity, where the immediate purchase or sale of tradable cryptocurrencies is not possible due to the absence of a counterparty. The possibility of immediately buying or selling cryptocurrencies is one of the main advantages of the exchange.

CUSTOMER SERVICE

Crypto exchanges do not attach sufficient emphasis to high-quality client service since it is normal for **clients to have to wait** several days or weeks for a response from client service in solving their problems. Immediate handling of a problem significantly increases the probability of its successful resolution.

OUR SOLUTIONS

SECURITY

The unique level of stock exchange security developed in cooperation with an international leader in cyber security combined with insurance covering all funds will ensure that **traders no longer have to worry about their funds**. By avoiding the need for repeated withdrawals and deposits, they save a lot of money.

LIQUIDITY

Dollero Exchange will enable **trading of 21 cryptocurrencies**. The connection with FIAT currencies will be added to provide maximum user comfort. **Cooperation with financial partners** will guarantee a high level of liquidity, whether for individual tradable pairs of cryptocurrencies or in providing sufficient volume of funds for trading on margin, thus creating a comprehensive solution.

CUSTOMER SERVICE

In this regard, we will bring the **best quality services on the market**. The Dollero Exchange client service will work 24/7 and each user will receive a response **within a maximum of 24 hours**. This will greatly help solve potential problems and also facilitate the adoption of new technology by new and less experienced users.

DOLLERO EXCHANGE

The Dollero Exchange is **the main product of the first phase** of Dollero Technology development. In addition to the high level of security, it will feature a well-designed and intuitive environment in which also those new to the issue can easily navigate and provide **powerful tools for experienced traders**. The main competitive advantage **is the insurance covering all funds deposited on the Dollero Exchange**. This way, clients will not have to worry about losing their funds. We also consider **fast customer service** as a significant step towards client satisfaction, which will be helpful in solving any problems.

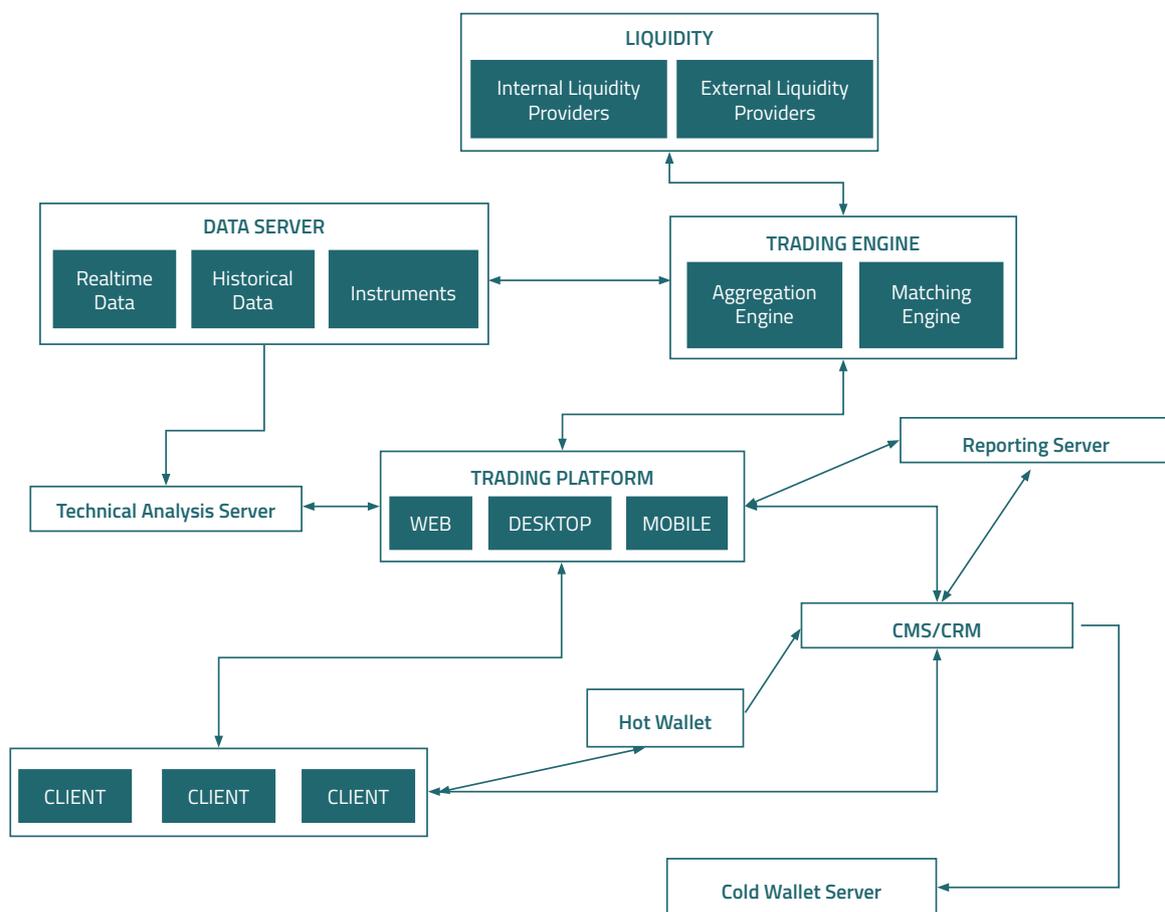


DOLLERO EXCHANGE ARCHITECTURE

Traditional exchanges - push trades through the order matching engine and do not hold client deposits or perform the role of broker / dealer.

Cryptocurrency exchanges - perform several of these functions at once, for example, they pose as an exchange, deposit manager and clearing center.

Dollero Exchange - combines the tasks of different types of exchanges within the available options resulting from a given type of exchange with regard to the maximum possible liquidity, volume, transaction speed and security.



EXCHANGE OFFER

Dollero Exchange will offer **trading of 21 cryptocurrencies**, which will be selected according to the highest average daily volume. Crypto pairs will be created, too. To create crypto pairs, we will use **5 basic cryptocurrencies - Bitcoin, Ethereum, Litecoin, Ripple, BitcoinCash** and create their combinations with the remaining 15 cryptocurrencies. This will create **80 available instruments** to be traded on the stock exchange. The offer will also include the **Dollero cryptocurrency forming the following pairs: DLLR / BTC and DLLR / ETH.**



DOLLERO EXCHANGE ARCHITECTURE

WALLET

Dollero Exchange will use a **central wallet in the form of a hot wallet and a cold wallet**. While the wallet will be centralized, the funds will be safe, just as they would be in the real-life wallets. To prevent theft of funds by hacking attacks, all funds are stored in a cold wallet.

LIQUIDITY

Ensuring sufficient liquidity is key to executing a trading order at higher volumes. Dollero Exchange provides **liquidity from multiple sources**.

LIQUIDITY FROM THE EXCHANGE'S INTERNAL PORTFOLIO OF ASSETS:

1. Own funds obtained from ICO
2. Private investors
3. Co-operation with market makers

LIQUIDITY SECURED BY EXTERNAL LIQUIDITY PROVIDERS:

4. Professional liquidity providers
5. Liquidity secured by other exchanges

With a **centralized architecture**, the client opens an account and sends funds to the account. These funds can be found in one collection account - the wallet of the exchange. **There is no real currency exchange between users going on**, only a transfer of ownership in the database - if User A sells 1 BTC to User B, instead of moving coins, only the account balance of both users is updated in the database. The real coins are still in the exchange's wallet.

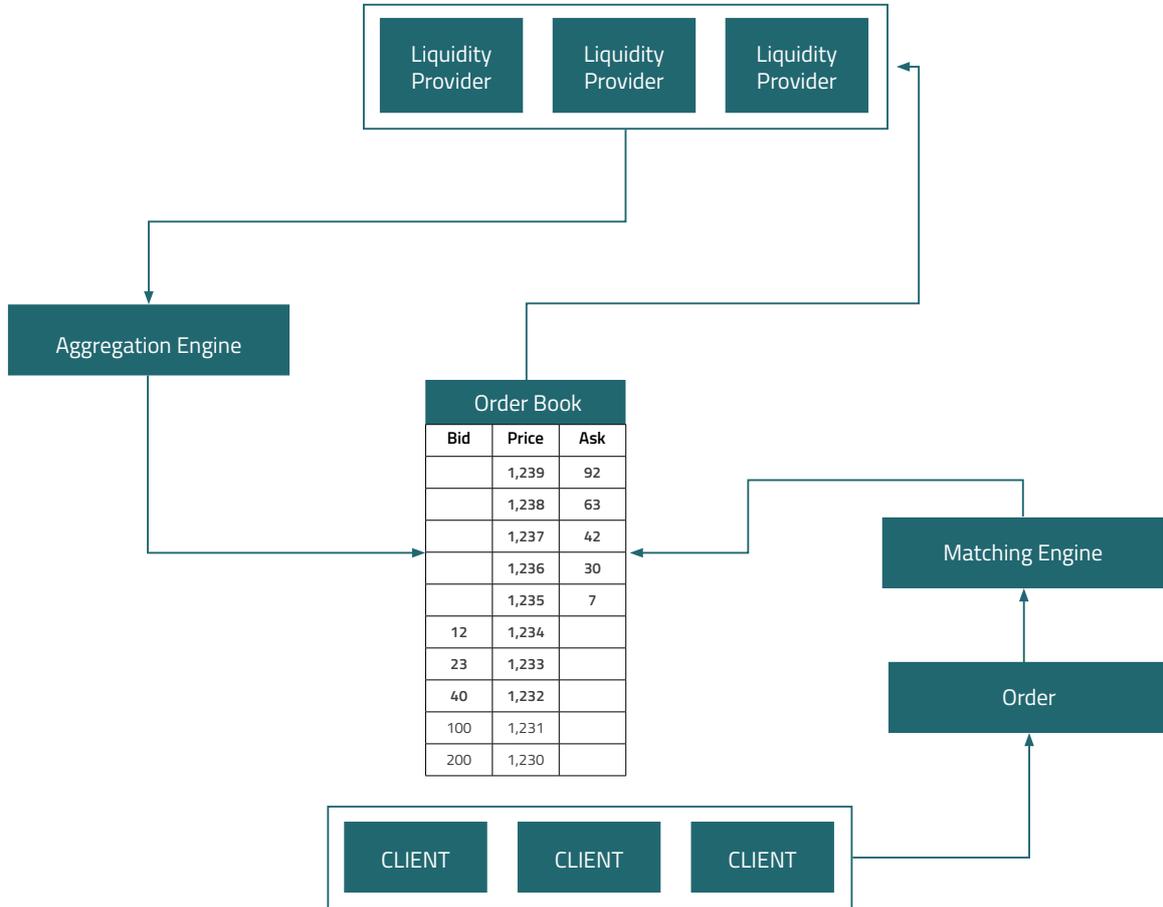
Sufficient capital to generate liquidity, from which it is possible to execute trading orders entered by individual users, is a necessity for the exchange. The available capital will be used to purchase a **base cryptocurrency package that will serve as the basis for trading**. To calculate the ratio of the distribution of capital into individual cryptocurrencies, we add up the total daily volume of 20 cryptocurrencies and determine the percentage of the volume made up by the individual cryptocurrencies. The same percentage is then allocated to the purchase of individual cryptocurrencies that will constitute the exchange's portfolio. **The basic package will be dynamic**, and as capital increases, part of the money will be automatically allocated to each cryptocurrency. The allocation **will take into account the supply and demand at Dollero Exchange and traded volumes**.

Creating a sufficiently large pool liquidity consisting of a portfolio of individual cryptocurrency assets will **cover the major portion of the required volume**. The exchange envisages several sources of liquidity. If the exchange will not be able to match a trading order with the sufficient amount of assets internally, it will pass the trading order to external counterparties, for example to another exchange. In addition to the total available liquidity, which is own assets, **Dollero Exchange will aggregate the volume of the 5 largest exchanges**. This procedure will ensure liquidity even in times of high market volatility.



DOLLERO EXCHANGE ARCHITECTURE

TRADING ENGINE



ORDER MATCHING ENGINE

Dollero Exchange will provide several types of trading orders with different expiration dates:

- All or None
- Close Price
- Fill or Kill
- Good After Time/Date
- Good till Cancelled
- Good till Date/Time
- Iceberg
- Immediate or Cancel
- Limit
- Limit if Touched
- Limit on Open
- Market
- Market if Touched
- Market on Close
- Market on Open
- Market to Limit
- Stop
- Stop Trailing Stop
- Stop Trailing Stop Limit
- Stop Limit

DOLLERO EXCHANGE ARCHITECTURE

ORDER MATCHING ENGINE

Matching orders between users uses algorithms that determine how orders are matched, in which order and volume they are executed, and to what counterparty they are passed on.

Trade orders for purchase and sale consist of an order book where users see the total available liquidity. After entering the order, it is placed in the order book in which the matching engine tries to pair 2 orders so that they are executed immediately and in their total volume.

„Matching engine tries to find the best price for the given trading order and execute it in full. If there is insufficient volume on the market, the order will be executed only partially, and the rest will remain as the order in the order book waiting for its execution. If the order cannot be executed at the requested price, it becomes part of the order book.

OME solves various problems, for example when it has 2 or more buy or sell orders with the same price. The matching engine applies an algorithm to see how the exchange will behave and how the orders will be executed. One of the best-known approaches is First in First Out (FIFO). Priority will be given to the order that was entered earlier and is given the best price. Another model is the Pure Pro-Rata approach which divides incoming orders among counterparties in proportion to size. Other popular allocation strategies are e.g. time-sensitive or volume-sensitive allocation.

MARKET MAKING ALGORITHM

The exchange will use sophisticated algorithms to create market and liquidity - models such as the **Constant Product Market Maker model or Relay Token**.

AGGREGATION ENGINE

The Aggregation Engine allows the exchange to obtain liquidity from a variety of external sources by connecting to external liquidity providers, such as various professional institutions (e.g. stock exchanges). After connecting to an external exchange via API, access to the liquidity of another exchange is obtained – its complete order book. If Dollero Exchange is unable to provide sufficient volume, it can provide the necessary liquidity by drawing it from other exchanges. The aggregation engine fulfills the aggregation function by combining the volumes of interconnected exchanges and completes the exchange's internal liquidity with the volume from other exchanges. If the matching engine is unable to match a trading order within Dollero Exchange, it will forward the trading order to a stock exchange that has sufficient volume to execute the order and execute the requested trade.

SECURITY

Security is one of the top priorities for Dollero Exchange. As security is based on a centralized solution, it is crucial for us to have as though protection against attacks as possible.

In addition to secure source code and server security, several high-end systems such as IBM qRadar and Nessus by Tenable will be running on the servers to detect and prevent various forms of attacks. Security measures will also include security systems from ESET, which will also take part in the security consultancy team. ESET will also be involved in the design and implementation of the Dollero Exchange's security.

DOLLERO EXCHANGE ARCHITECTURE

Dollero Exchange will be subjected to penetration tests, security audits and will receive a security certificate from Citadel, a partner company that specializes in cyber security and ethical hacking. Dollero Exchange will meet ISO / IEC 27001 information security management system standards.

EXCHANGE PLACEMENT

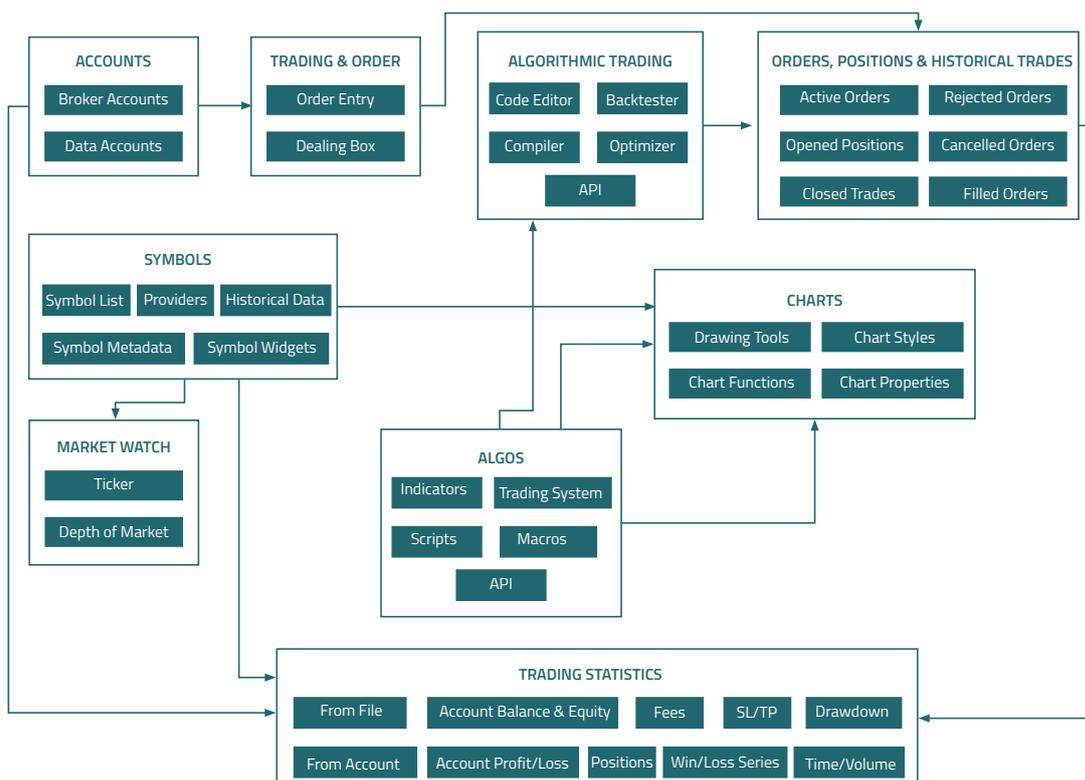
Dollero Exchange will use Microsoft's cloud solution - Azure Cloud. This will ensure the stability and reliability of the entire platform, as well as its scalability and management. This will provide an additional degree of protection provided by Microsoft itself. Dollero Exchange consists of many parts using different server solutions in different parts of the world to eliminate latency in the solution itself (eg, a connection to Binance located in Tokyo) as well as in technical matters, such as the need for replicating databases across data centers.

CUSTOMER SERVICE

One of the advantages of the centralized exchange is the customer service and technical support, which is available to the user 24/7. A trained team of specialists will promptly respond to any account, transfer, and transaction issues. Technical support in English will help users with technical problems over the phone or via remote shared desktop. In the future, support will be provided in other world languages.

PLATFORM

Dollero Exchange will be provided with a platform from FinSystems Ltd. The platform will be available in desktop, web and mobile versions. Through the trading platform, users get access to market and trading. The platform provides many features and is designed for both beginners and professional traders.



DOLLERO EXCHANGE ARCHITECTURE

CHARTS

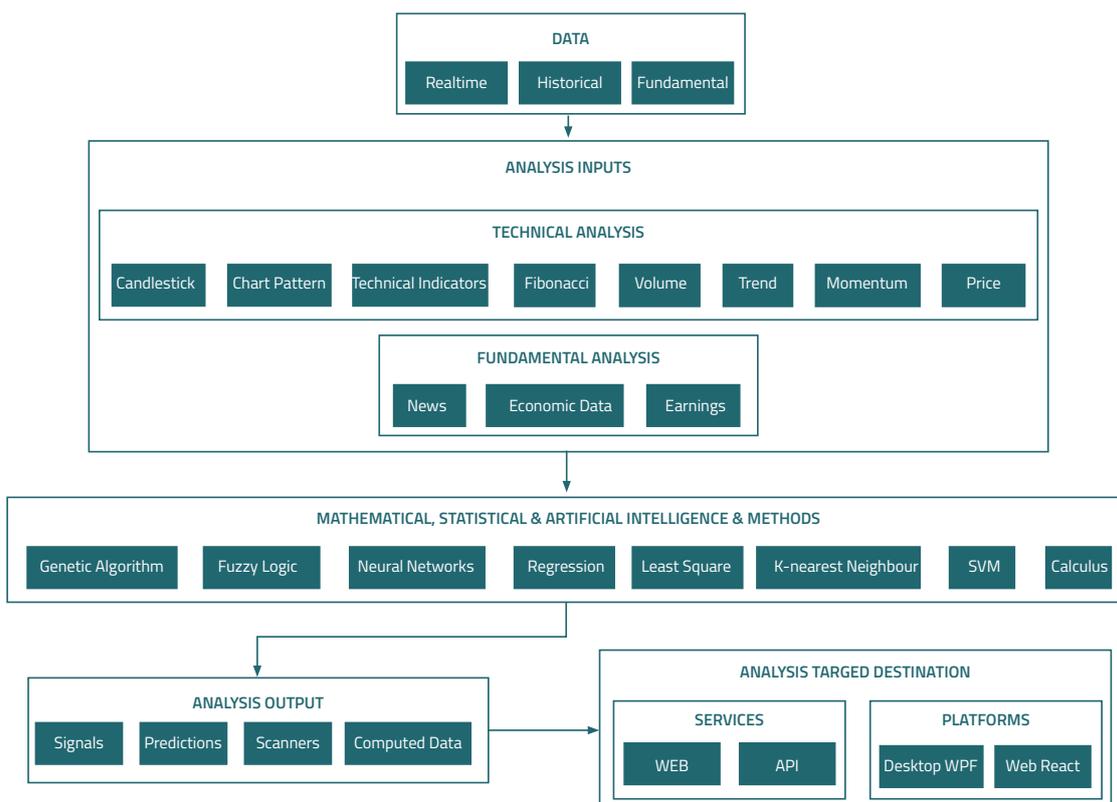
Figures are one of the main components of the trading platform and are used for price monitoring and analysis. The platform supports several types of graphics such as candlestick, bars, high / low, renko, point and figure, range, mountain, line, kagi and volume charts. The platform incorporates about 150 technical indicators and more than 60 tools for drawing and advanced technical analysis. Desktop charts can load several million of values without significant performance loss. Web charts and figures are programmed „in house“, we do not use charts by TradingView or similar chart plugins.

TRADING

Trading is done through the order book from the Depth of Market window which provides users with an overview of the available liquidity at different price levels and allows them to enter trading orders. Trading is also possible through Market Watch, Dealing Panel, or directly from charts and figures. The platform supports many types of classic but also advanced trading orders and also has many features to simplify and speed up operations such as Delete & Close all, Scaling in & out, Bracket orders. For each trading order, a compound order can be programmed in which it is possible to program the behavior of the order and the individual steps that are to be performed after a certain condition is met. In addition to entry and exit conditions, the user can choose from various methods of money management - the way the size of the trade is determined. There are about 15 different methods available such as Fractional, Fixed Fractional, Optimal F, Kelly ratio, Percent of Equity etc.

INSTRUMENTS

The platform allows managing individual instruments, provides information about the instrument, allows downloading historical data and analyzing the instrument. The analysis will include various advanced statistical analyzes to give the user a better overview of the tool. Change, movement, distribution will be analyzed. For the instrument, buy and sell signals will also be displayed, which will be generated by several systems - signals from the technical indicator analysis scanner, graph pattern scanner, candlestick scanner, neural network prediction, statistical method prediction, etc.



DOLLERO EXCHANGE ARCHITECTURE

SCANNERS

The application also contains several types of scanners - technical indicator analysis scanner, chart pattern scanner and candlestick scanner. The technical indicator analysis scanner allows configuration of the technical indicators and conditions to generate signals or alerts and, if the conditions are met, it sends a signal to the appropriate instrument. Similarly, chart pattern and candle scanners analyze different time intervals on specified instruments and, when a valid pattern is formed, issue buy or sell signal, including stop loss and take profit levels. Scanners include pattern history, detailed pattern information, analyses, and detailed pattern statistics. Scanners contain about 60 technical analysis patterns and about 120 candlestick patterns.

MANUAL STRATEGIES BUILDER

The user can build his own business strategy by combining different components and variables and setting individual parameters. The platform automatically generates the source code of the business strategy which can be backtested or set to run.

OWN PROGRAMMING LANGUAGE

The platform uses its own programming language based on C#. With FinScript, users are able to program their own technical analysis tools such as indicators, drawing tools, automatic business strategies. FinScript can be used to extend the functionality of the platform itself where the user can program their own platform functionality.

AUTOMATED TRADING

The platform fully supports trading of automated strategies. The user can automate their trading strategies and trade automatically without having to sit at the computer and manually place orders. Strategies can be launched directly from the charts and figures or from a separate section. The platform also supports trading strategies directly on the server, which means that users can edit their strategy in the desktop or web version and then run it on the desktop platform or the web where it will work automatically.

BACKTESTING OF AUTOMATED STRATEGIES AND INDICATORS

The user can test their automated strategies or indicators using the historical data. Before launching its strategy in the real market, users are able to find out how the strategy would perform or the amount of maximum loss achieved. Backtest can be performed for several tools and intervals simultaneously. From individual strategies it is possible to create and backtest the portfolio. The result of the backtest is a detailed report that analyzes various aspects of business strategy - for example risk, return, instrument and period analysis. The resulting report can be exported to various formats such as csv, pdf or html.

DOLLERO EXCHANGE ARCHITECTURE

OPTIMIZATION OF AUTOMATED STRATEGIES AND INDICATORS

The platform uses genetic algorithms to streamline the optimization of strategy parameters and indicators. The optimization sets the strategy or indicator to values at which the given strategy or indicator would reach e.g. maximum profit or minimum possible loss for a certain period.

AI AND AUTOMATED GENERATION OF TRADING STRATEGIES

The platform includes several libraries that support machine learning and various methods of artificial intelligence. These include genetic algorithms, neural networks, fuzzy logic. These methods have a wide range of applications, each is used for different purposes. We use genetic algorithms to generate business strategies. On the basis of the specified variables, the platform will start to evolve the strategies itself and the strongest ones that will survive, e.g. those that generate the highest profits, are passed on to the next generation for further improvement and development. Using this method, the application generates many strategies which may be used to create own portfolio and analyze it, and if it meets the parameters, include it in the actual trading. The trader thus gains a tool that helps him to generate a business strategy that he would probably not arrive at by himself, and at the same time a tool that will help him in trading. Another method is neural networks which will be used by the system to analyze data and generate business signals and price predictions for certain cryptocurrencies.

TOOLS FOR ASSET MANAGERS

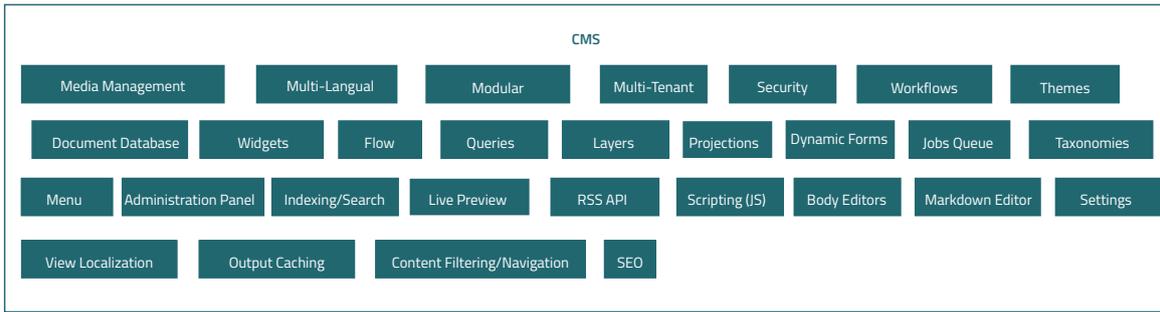
In addition to traditional investors, institutional investors and money managers are also welcome. Money managers have several options for managing client accounts, ways to aggregate client accounts, and allocating volumes to individual accounts. Available are classic PAMM, LAMM accounts, as well as copying client sub-accounts directly to the networks on which a business server runs.

CMS SYSTEM

The core of the web system consists of Content Management System, which enables efficient management of individual parts of the web application and allows complete control over the content. CMS uses individual modules to add any content or application. The page template allows for setting modules to be displayed and to whom they are to be displayed. CMS allows administration and determination of the scope of permissions for individual groups of users e.g. visitors, registered users, administrators. If an unregistered user arrives on the page, he sees only certain content. Access to the web trading platform, trading history, and order entry options opens up only after registering and opening a trading account. CMS allows easy front-end management and provides back-office access from where the administrator can manage content, users, etc.



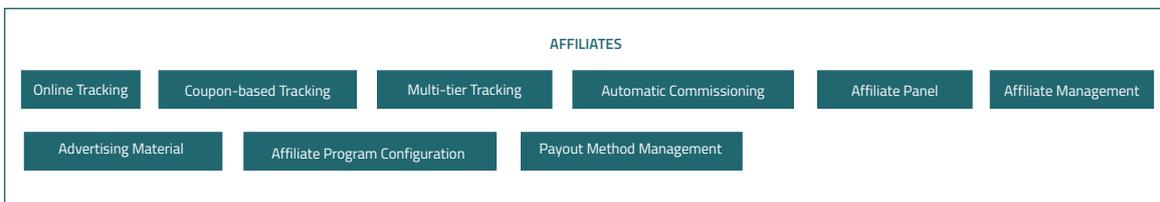
DOLLERO EXCHANGE ARCHITECTURE



CRM SYSTEM

The Customer Relationship Management System contains all the tools needed to manage clients throughout the entire cycle from the moment they register. The CRM system enables the automation of processes, setting conditions and specific events that are triggered when certain conditions are met. After registration, a database entry as well as client profile are created. The client will receive an automatic e-mail. If the client decides to open an account and send funds to the account, the system creates the record of doing so and sends information to the customer support's e-mail to contact the client. The client's profile shows the entire history of the client, from the opening of the account, communication between employees and the client, marketing calls and e-mails, received documents, etc. sorted chronologically by date and time, much like pages on social networks. If any employee loads information on the client, they are all immediately available.

Part of the CRM system is also the affiliates system. Registered intermediaries have the opportunity to receive a reward for clients who open an account. The intermediary can have its intermediaries, the system supports a hierarchical structure.



E-MAIL SYSTEM

The system supports sending corporate e-mails as well as marketing e-mails in large quantities.

APPLIED TECHNOLOGIES

Many different technologies and programming languages are used throughout the project. Web frontend and UI use React, JavaScript, HTML5, backend is designed in .NET Core. Similarly, CMS and CRM systems are in .NET Core. Individual parts of the business server are in C ++ and C #. The servers will run on a Linux cluster. Microservices, Kubernetes, Kafka and RabbitMQ messaging system will be deployed, too.

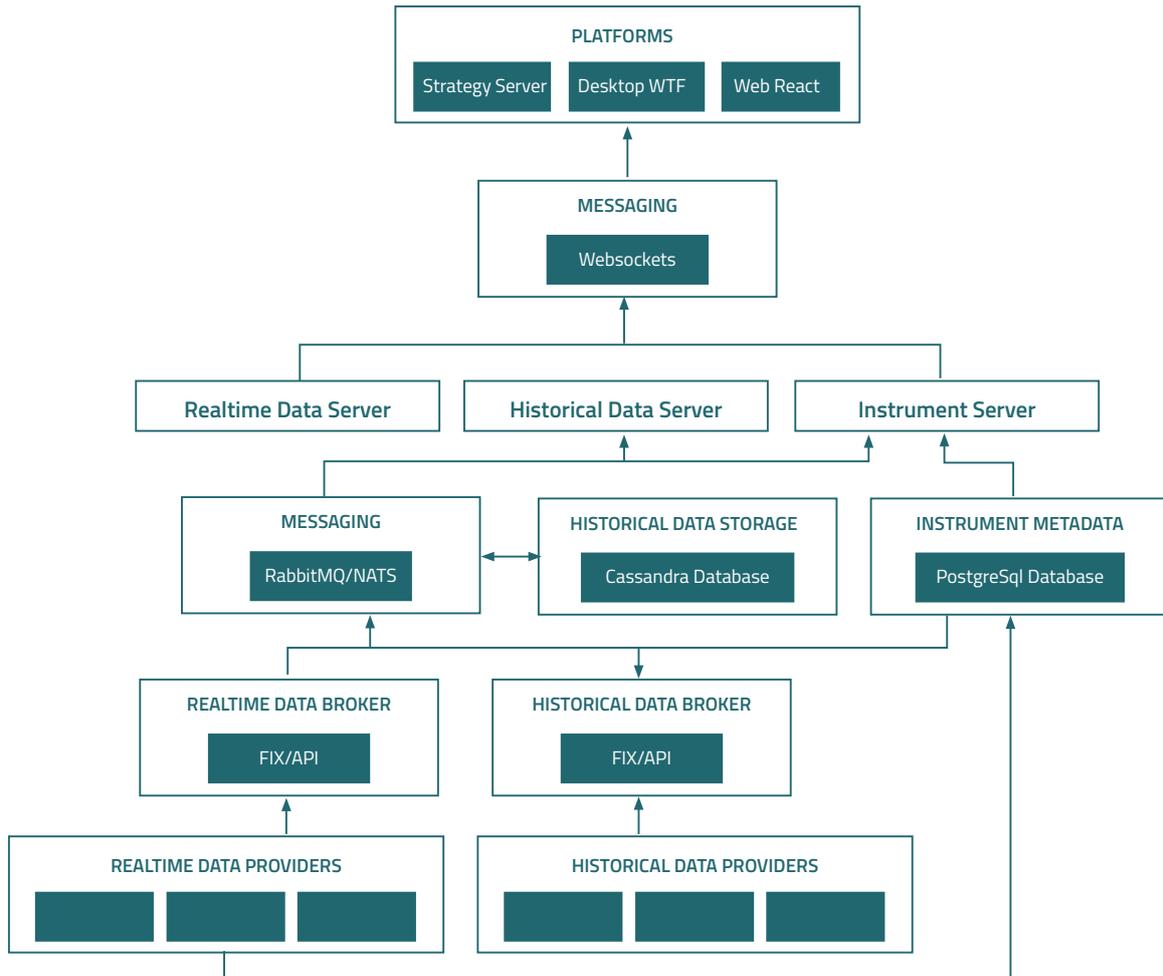


DOLLERO EXCHANGE ARCHITECTURE

SERVERS

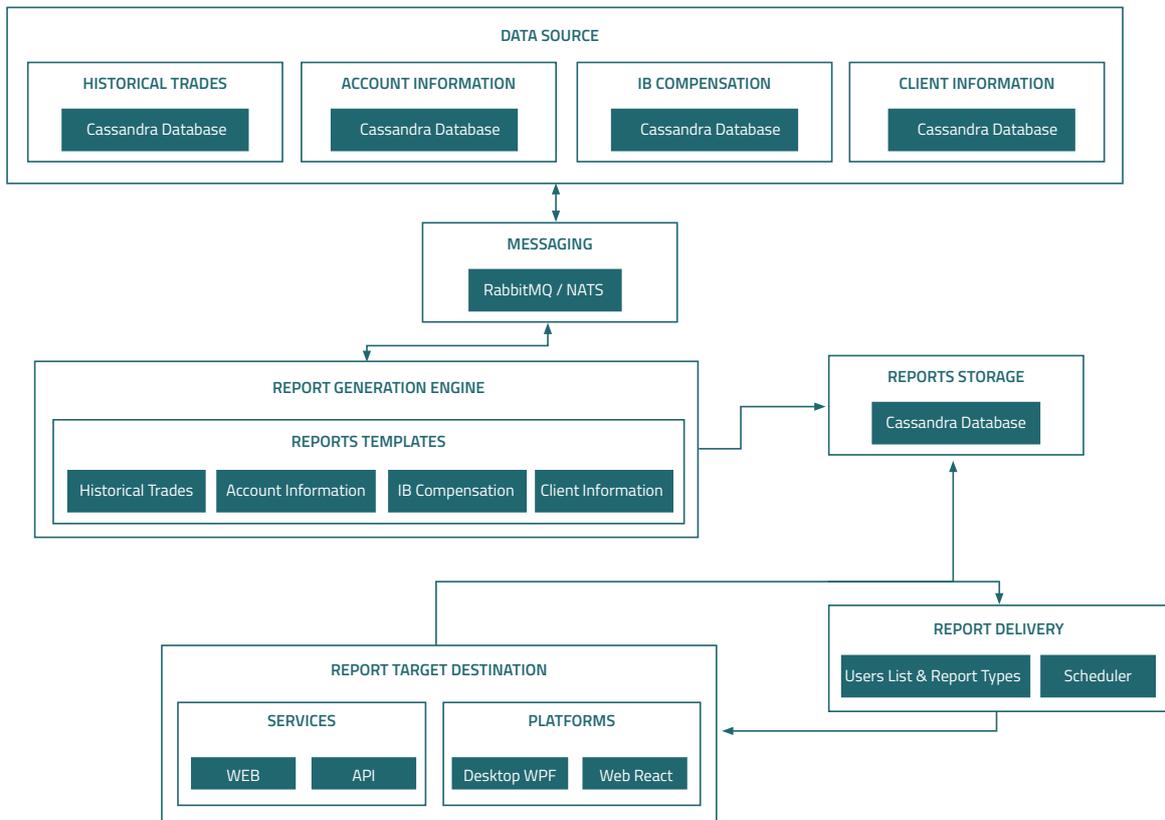
The whole solution will run on several servers in Microsoft Azure Cloud.

- Trading Server
- Wallet Server
- CMS a CRM Server
- Data Server

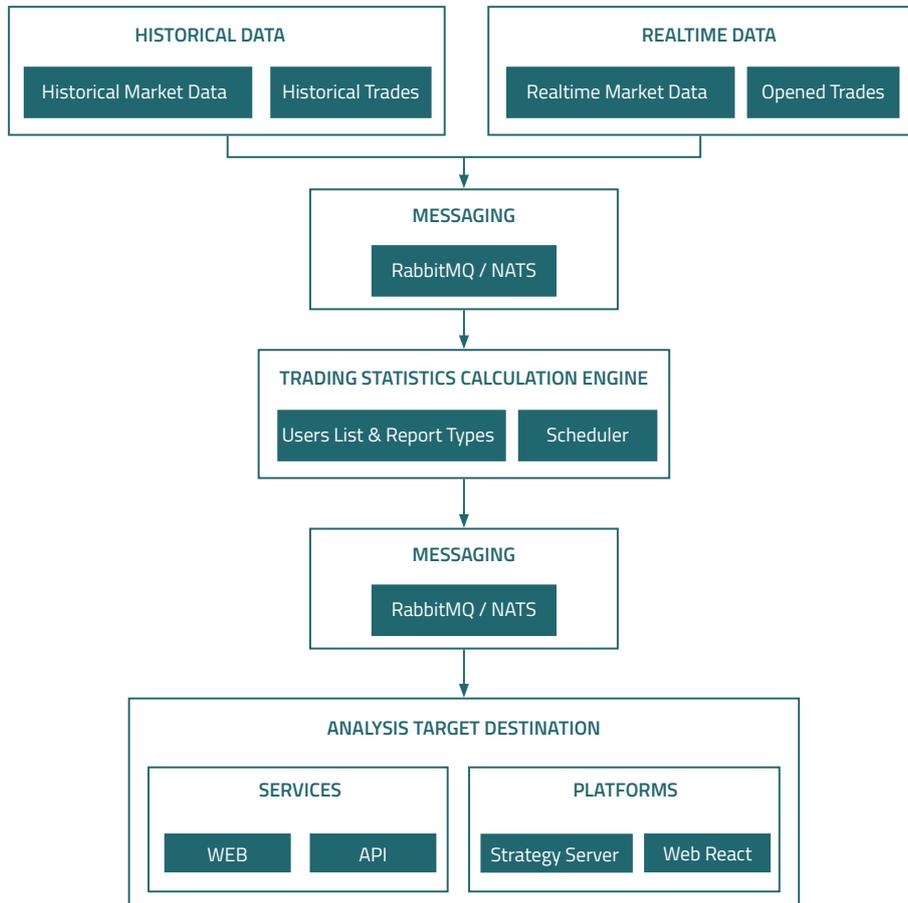


DOLLERO EXCHANGE ARCHITECTURE

REPORTING SERVER



TECHNICAL ANALYSIS SERVER



BLOCKCHAIN TECHNOLOGIES

It is important to realize that **blockchain technology as such is the bearer of the value** of this relatively new and dynamic industry. With the advent of the Internet, most types of business have changed beyond recognition. Blockchain and applications based on this technology have the same ambition. Such a change will **undoubtedly bring added value to many industries**. The applications we chose to use at Dollero Technology will prove revolutionary in the industries and their use will be virtually unlimited. They will become one of **the most important components of the Dollero Technology ecosystem** and also one of the main sources of income..



ACCOUNTING

One of the first ideas that we started developing together with partners who are involved in the field was accountancy. **Blockchain and its technology are the ideal solution in this area**. It will help companies that are looking to **speed up accountancy processes**, and its application is therefore virtually unlimited.

TRANSPORT LOGISTICS

Another project built on blockchain technology is transport logistics. We will **accelerate the processes in this area and thus save clients money**. The system will be designed for different haulage companies and for transport as such.

PROJECT SUPPORT

In the third phase of the project, Dollero Technology will **create a favourable environment for supporting blockchain projects**. By means of voting by the Dollero Club community, we will select interesting projects that we will then **fully support** through the creation of project documentation, the organisation and implementation of the ICO, the listing of the coin on the Dollero Exchange, and specialist technical support.

ROADMAP

- 
- Q2/2018**
 - Establishment of the Dollero Technology company
 - Start of marketing and PR communications
 - Q3/2018**
 - Launch of the website www.dollero.tech
 - Preparation of project documentation
 - Development of Dollero Wallet
 - Q4/2018**
 - Issue of Dollero tokens (DLLR)
 - Issue of e-wallet Dollero Wallet
 - Development of the Dollero Club
 - Q1/2019**
 - Launch of the Dollero Club
 - Q2-Q3/2019**
 - Development of Dollero Exchange
 - Q4/2019**
 - Development of Dollero Exchange
 - Bounty campaign
 - Q1-Q2/2020**
 - Development of Dollero Exchange
 - Q3/2020**
 - Development of Dollero Exchange
 - Realisation of the ICO
 - Dollero Exchange License
 - Dollero Exchange Beta
 - Q4/2020**
 - Launch of Dollero Exchange
 - 2020/2021**
 - Development of blockchain applications
 - Support of other projects



MAIN BENEFITS



High and unique level of security developed in cooperation with an international leader in cyber security



Insurance of Dollero Exchange, through which we secure all resources



Obtaining coins through the Dollero Club, along with access to education in the area of cryptocurrencies and blockchain technologies



Dollero Exchange - own secured and insured exchange with basic tradable pairs and discounts on fees paid in Dollero



The 'Holder' phase with a redistribution of part of the company profit (25%) among the individual membership levels



Blockchain applications and solutions that will resolve issues in various areas – accounting and transport logistics



Support for interesting projects of other companies that we can help with the creation of project documentation, the organisation and implementation of the ICO, listing on the Dollero Exchange, and specialist technical support





VLADIMÍR RUŠČÁK

Co-owner & Chief Technology Officer

Vladimír first came into contact with the financial world during his studies of the economy in New York in 1997. He also worked for a company doing PR for financial institutions regularly appearing on CNBC, in the Wall Street Journal and similar media. This experience influenced his further career path. For several years, he was providing consultancy services for traders and worked as Introducing Broker for as many as 20 brokers. In 2012 he joined ATC Brokers in London, where he performed several FCA controlled functions such as director function, compliance, and CASS functions. Vladimír has extensive knowledge of financial markets, compliance, and technology in international environments. He is currently working on a proprietary fintech project that is soon to be released. He also decided to join the Dollero team as he sees enormous potential of the cryptocurrencies in today's digital world.



SLAVOMÍR KAŇUK

Co-founder & Chief Marketing Officer

After studying at the Faculty of Business Management the University of Economics, he dealt primarily with on marketing, with a focus on social media marketing, and was responsible for advertising campaigns for clients. He has also been involved in various projects and the organisation of events. He came into contact with cryptocurrencies and blockchain technologies at the previous company, where he and the team decided to start their own company and further develop these ideas. At Dollero Technology he is responsible for creating the basic ideas and ecosystem, in addition to the company's marketing and PR communication.



JÁN REPA

Co-founder & Chief Sales Officer

After graduating from the Faculty of Business, where he studied Foreign Trade, he worked primarily in the banking sector. In Tatra banka, he was employed in several sections, from foreign payments, through back office, to the Treasury Dealing Department. In the private sector, he has been involved in building up a company in the petrochemical industry. Later, was a co-founder and CEO of a manufacturing company, where he built up a complete retail trading system. He also has extensive experience with trading on the capital and financial markets. We put this experience to good use in Dollero Technology, where he is responsible for creating business strategies, business platform architectures, building an international business team, and presenting the project at international forums.



PATRIK BENČIČ

Co-founder & Chief Operations Officer

As the operational director responsible for the technical operations of the company, its day-to-day operations and communications with the accounting department, he is making use of his experience from his previous employment in the financial sphere in banking. Governments and regulators are currently actively involved in preparing amendments to legislation relating to cryptocurrencies, and therefore his roles in this position include monitoring the development of legislative processes and new regulations in order to ensure the smooth running of the company. Other roles of the COO of Dollero Technology are to plan, conduct, organise, make decisions and check people, processes, and information in its day-to-day operations.



PETER ŠRANK

Software Architect

Peter builds on his more than 16 years of experiences and skills, acquired mainly in the UK, where as a software engineer he focused mainly on web applications, micro-services and data processing. In London he worked for leading companies such as Shell, Mark & Spencer, Clarksons Platou and Deloitte. Peter also has many years of experience in financial markets and machine learning. At Dollero Technology, he takes care of system architecture - especially the Dollero Exchange.



MICHAL REPA

Chief Information Officer

After completing his studies at the Faculty of Mathematics and Physics of Comenius University, Bratislava, in the area of the theory of information and computer systems, he started working as a programmer. He participated in the analysis, design and implementation of healthcare projects. Later, he began working with Sysmex-Molis, a Belgian company, where he specialised in development and application of laboratory medicine solutions in Europe, America and Japan. He left the position of programmer as a team leader. He then co-founded the Slovak IT branch of the German company Synlab, where he held the position of CEO, CIO. At Dollero Technology, he takes care of the most important aspect of the project – the IT. He designs architectures for individual systems, and manages platform development and the whole development team.



JAKUB KRALOVANSKÝ

E-learning Supervisor & Senior Analyst

After successfully graduating from the University of Economics in the field of International Trade, he continued his education and obtained a certificate of professional examination in the Capital Market field. For a long time he has worked in international companies like Deutche Leasing and Phoenix as portfolio manager. His more than 4 years of experiences with cryptocurrencies and blockchain technology is currently being used as the main trader and portofolio manager. He is also the author of his own educational project Trader 2.0. At Dollero Technology, he is part of a team that manages the content of Dollero Academy and is also in charge of creating cryptocurrency analysis. His rich trading experience also bears interest in designing technical solutions for the Dollero Exchange.



VANDA ZAJACOVÁ

Product Manager of Dollero Exchange

After graduating from the Department of Finance, Banking and Investment of the Faculty of Economics, she was employed by XTB from its establishment in Slovakia. During her 10 years' employment by this company, which became Broker of the Year in 2017, she occupied several positions and acquired a wide range of knowledge and practical experience. As a business manager, and later head of the sales department, she was in charge of communicating with clients, selling products and services and preparing training events for clients. Subsequently, she became a deputy director and thus covering the overall operation of the branch. She has developed her experience in other areas, such as legislation and communicating with supervisory authorities, and has also served as the person responsible for overseeing the processing of personal data. Based on the experience shall has gained, she is responsible at Dollero Technology for the organisational, legislative and technical parameters of the development and operation of Dollero Exchange.



PETER VAŇO

Web Application Developer

During his studies at the Faculty of Electrical Engineering and Computer Science at the Technical University, he devoted himself to developing web applications and worked for well-known IT companies such as PosAm. He works in Php frameworks - Laravel, Yii 2, Javascript - Angular 5 and CMS systems PrestaShop, WordPress and Magento. He also founded his own company where he and his team are dedicated to the full-stack development of web applications and the development of online games in the Haxe system. Dollero Technology provides web development of the main sites as well as the complete development of the Dollero Club platform.

TEAM DOLLERO



MATÚŠ KOPALCKO

E-learning Developer

While studying international trade at the University of Economics, he worked as a language lecturer in various companies. Around 130 students benefited from 1 on 1 lessons tailored to their individual needs and later he led team of language lecturers. Exchange semester at the faculty of management in Finland higher education system and MBA exchange semester in China provided inspiration as well as enabled him to understand and experience how complex multicultural higher education environment works. He is leader of Pod Podnikat Academy where he accumulates know-how, develops and tests tailored online education solutions. Co-founded online learning platform called Language Habit, where end solution for learning foreign languages is being developed. He is an author of an e-book Online Self-taught. At Dollero Technology, he is fully responsible for student's learning experience in academy of Dollero Club.



MICHAEL RICE

Senior Lecturer & Speaker

Graduated from the School of Architecture in University College Dublin, and became a member of the Royal Institute of Architects of Ireland. For the last thirty years he has worked and developed his skill, expertise and vision in the realm of BioArchitecture and Holistic Design (www.zem.design). He has designed and seen built over 400 buildings in many countries over the world. In recent years he has become interested in various new forms of value generation and media of exchange, most notably cryptocurrencies and the potentials of blockchain technology. He is the face of Dollero Club's crypto academy and you will also meet him at various conferences.

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Twitter: <https://twitter.com/DolleroTech>

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PARTNERS



WORKING GROUP

DOLLERO TECHNOLOGY IS A PART OF THE WORKING GROUP OF THE MINISTRY OF FINANCE OF
THE SLOVAK REPUBLIC - CENTER FOR FINANCIAL INNOVATION.



MINISTRY
OF FINANCE
OF THE SLOVAK REPUBLIC

FINANCIAL INNOVATION CENTRE





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