

Fidelium White Paper

Cross-Exchange Trading Platform combined with Payment System

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Fidelium

White Paper

Cross-Exchange Trading Platform combined with Payment System

All-In-One Platform
to bring crypto-exchanges around the world to your fingertips
and enable cryptocurrency spending in everyday lives.

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About Fidelium

Our Goal

Market Capitalization

BTC: \$245,552,670,960 USD
 ETH: \$71,610,048,674 USD
 LTC: \$13,599,868,770 USD
 DASH: \$9,077,751,272 USD

24hr Trading Volume

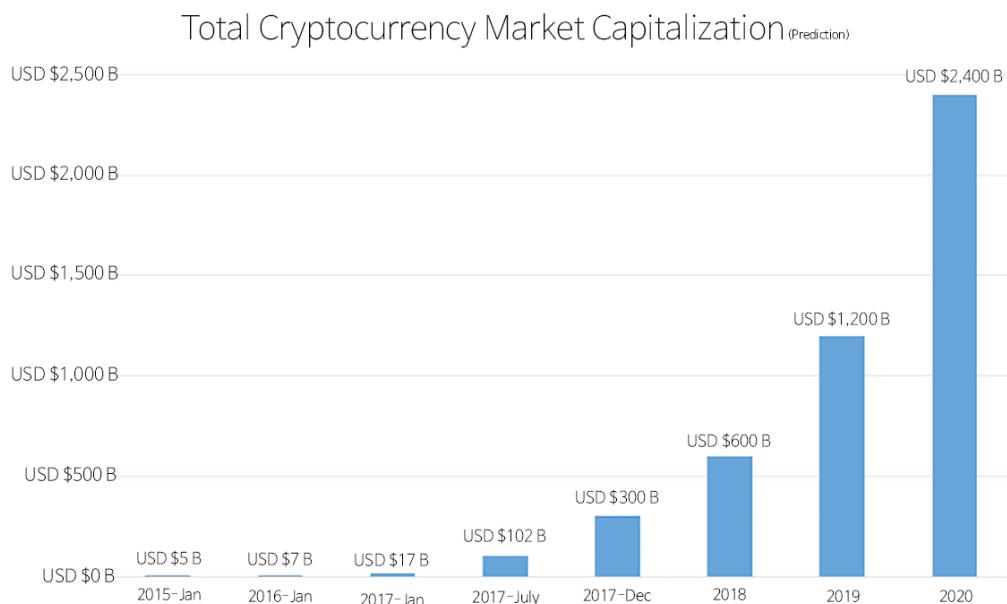
BTC: \$12,336,000,000 USD
 ETH: \$2,400,010,000 USD
 LTC: \$2,668,560,000 USD
 DASH: \$192,227,000 USD

As of December 28th, 2017

Source: coinmarketcap.com

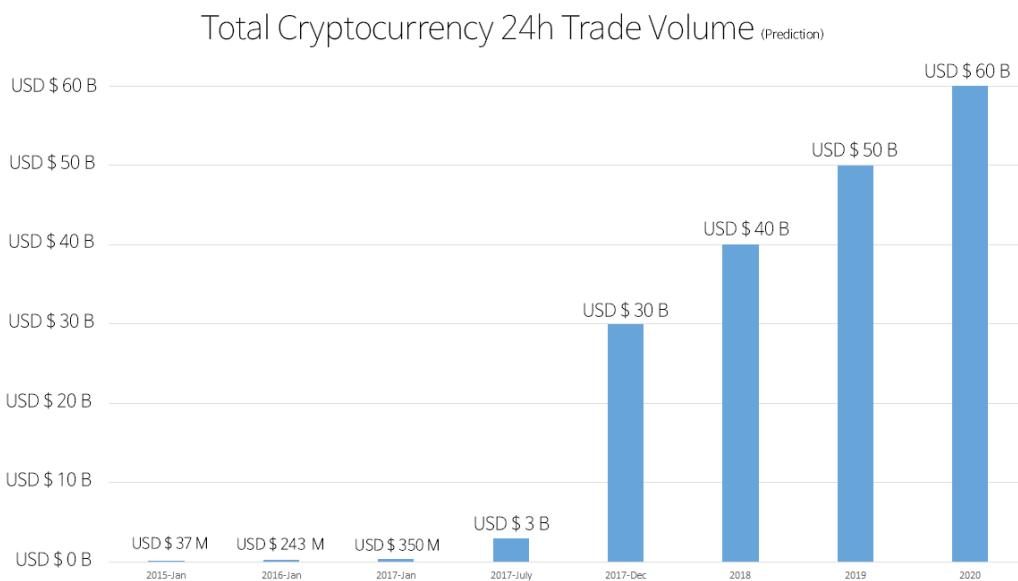
Blockchain technology and cryptocurrency are attracting wider audience and getting more traction each day. Back in December, 2017, the price of Bitcoin finally broke the 10,000 USD mark, and it even surpassed the 15,000 USD at one point. Bitcoin's market capitalization surpassed well over 200 billion USD, with the total cryptocurrency capitalization passing 500 billion USD. Furthermore, the 24-hour trading volume averages well over 20 billion dollars.

With such strong growth trends, the future of cryptocurrency only looks brighter. Some even predict that the market capitalization of cryptocurrency will break 2 trillion USD in 2018.



However, even with such growth, there are still some problems that are still not properly addressed yet. Ironically, most problems stem from one of blockchain's greatest strengths - the lack of central governing body or institution. While the absence of central institution means cryptocurrency, built on blockchain technology, offers complete freedom and anonymity from any government or institutions to the users, the very absence means there is no standard price for cryptocurrency, and they cannot be used directly in a form of payments in real life.

We aim to provide users with instant and simultaneous access to multiple cryptocurrency exchanges around the world, and turn cryptocurrency into a spendable asset in real-life.



Fortress Trading System

Cross-Exchange Trading Platform

The first problem we want to address is the price difference caused by lack of liquidity.

As there is no central institution or government that monitors the price of any cryptocurrency, the price is determined solely by the supply and demand of the market. That sounds perfectly fine at first – the supply and demand determining the price. However, when there are several exchanges around the world, each with its own supply and demand, resulting in different prices at each exchange, problems start to emerge.

Popular cryptocurrencies, such as Bitcoin or Ethereum, are listed on multiple exchanges. Because exchanges have their own prices, the price of those cryptocurrencies vary significantly depending on the exchange. That means, a user might have to pay more for the same coin solely because he is trading at a different exchange.

For example, when one Bitcoin is trading roughly at 12,000 USD at an US exchange, it is also trading roughly at 14,200,000 KRW (13,075 USD) at a Korean exchange. At the same time, it might also be trading at 72,800 CNY (11,000 USD) at a Chinese exchange.

The price difference in various regions was particularly noticeable for Bitcoin after it broke the 10,000 USD mark. At one point, Bitcoin was trading around 15,000 USD in the US. At the same time, it was around 20,000,000 KRW, roughly 18,500 USD. That is 3,500 USD, or 23%, difference.

With such considerable price difference, people in certain regions feel that this is indeed an issue, and they are yearning for better solution.

While a cryptocurrency having different prices at different exchanges is not a hidden secret, most people use the local exchanges due to the fact that they need a channel that can turn their cryptocurrency into their local fiat currencies, and, more importantly, obtaining access to different exchanges around the world is not easy.

If someone wanted to access and trade at different exchanges around the world to ameliorate the price difference, he would need to create a different account for each exchange and go through the complicated and rigorous verification at each exchange, which involves uploading a picture of identification card, providing a proof of residence, verifying mobile phone number and email address, just to name a few. Furthermore, the verification process is handled manually due to the fact that each step needs to be confirmed by a person.

When you finally finished through the verification process, you still have to log into different exchanges separately. More over, larger population in Asia do not speak English, which hinders them from any sites or services in English, which is why we will be offering multi-language (English, Chinese, Japanese, and Korea) support.

Introducing “Fortress”

- Fidelium’s Cross-Exchange Trading System

Fidelium’s Fortress Online Trading System (OTS) offers a way to ameliorate price difference by providing access to different exchanges around the world within a single platform. You will be able to check different prices a certain coin is trading at different exchanges, determine which exchange offers the best price, and make appropriate trades at whichever exchanges you want.

Having access to different exchanges around the world has never been so important in the cryptocurrency market. With “Fortress,” you can trade any cryptocurrency at any supported exchange you want, without any hassle, or time delay, enabling you to make the most out of your cryptocurrency trading.

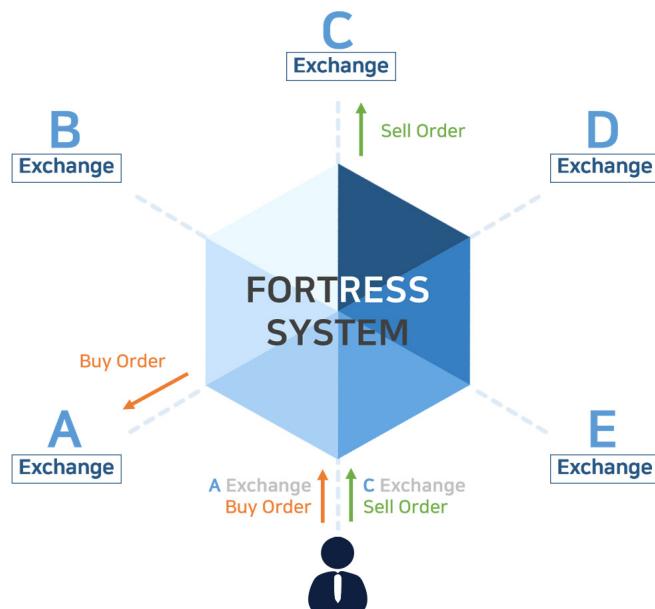


Figure. 1 - Overview of How Fortress Connects Users to Difference Exchanges

Fortress brings different exchanges around the world together into one platform, and delivers them at your fingertips. You can buy any cryptocurrency you wish at any supported exchange, and sell it at any exchange, even if it's not the exchange you bought it from.

Program Overview

Let's take a look at Fortress. Please keep in mind the images below are screenshots of Fortress, which is in the prototype development/design phase. So, it may look different when it is released.

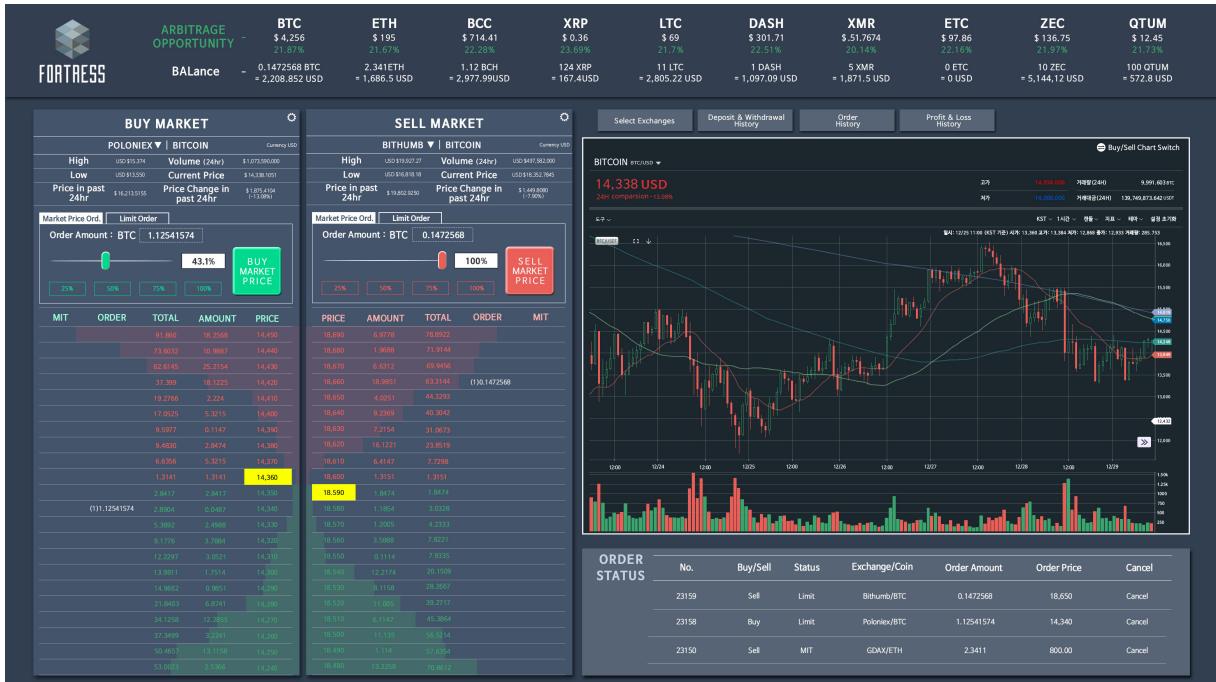


Figure. 2 - Screenshot of Fortress's Main Screen

(Exchanges in the screenshots are for illustrative purpose only, and does not mean indicate any agreements with the exchanges at the moment.)



Figure. 3 - Cryptocurrency Price Ticker

At the top is the “Cryptocurrency Price Ticker” (figure. 3) showing the biggest price differences amongst different exchanges, along with the account’s balance of those coins. (If you do not have any litecoin, the balance would simply show as zero. You will also be able to select which coins you want to be displayed in the settings menu.)

- Buy and Sell Market Panel



Figure. 4 - Buy and Sell Menu

The left panel contains all the necessary tools to put in the buy and sell orders.

All relevant information, such as the cryptocurrency, exchange, high price (24hr), low price (24), current prices, trading volume, will be displayed automatically, according to your selection.

Left half is the BUY section, and the right half is the SELL section. It features one of our proprietary features - Click Order System, which greatly helps users to put in prompt and accurate orders. Such feature is not found in any other platform or systems

At the top are the buttons to select your exchanges, and view different histories.

The right panel provides the chart for the cryptocurrency you selected, along with your order status listed at the bottom.

On the chart itself, you will be able to use various technical indicators to help you accurately understand the information and make the sound investment decisions.

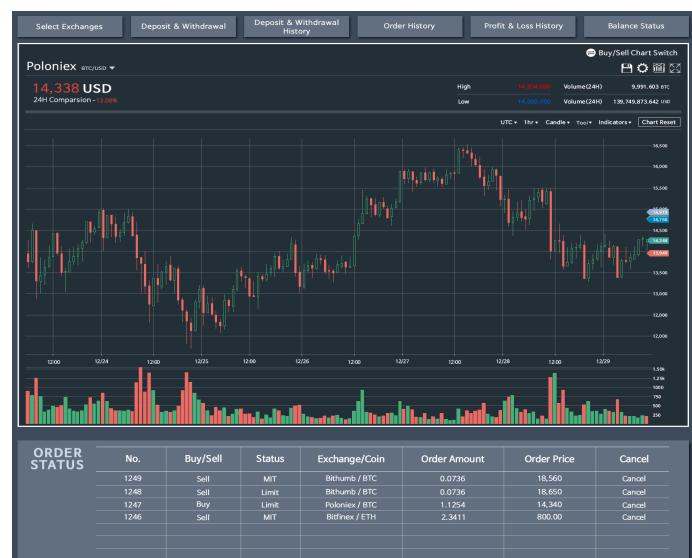


Figure. 5 - Exchange Selection and Charts

- Cryptocurrency and Exchange Selection

If you click the “Select Exchanges” button, you will be presented with a pop-up window below.

Here, you can select which of your asset you want to spend, the coin you want to buy, and set which exchange you want to sell at or buy from.

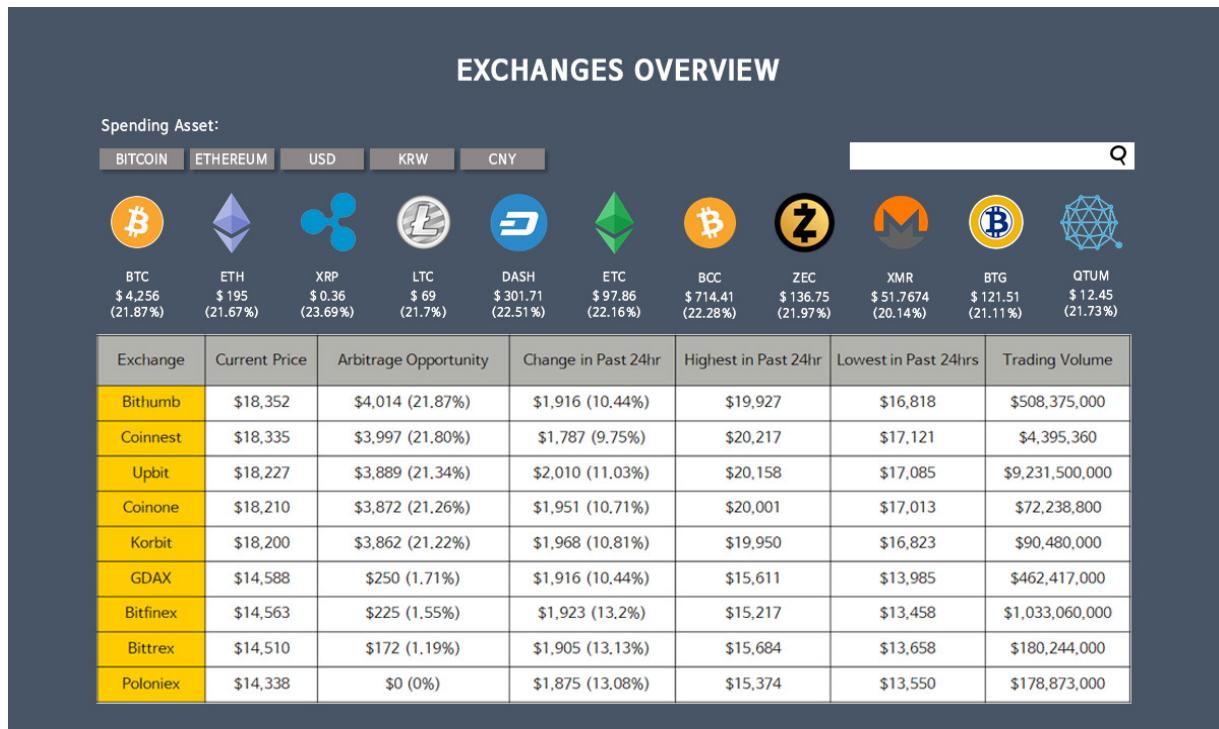


Figure. 6 - Exchange Overview - Bitcoin Selected

Once you select the coin you want to buy, you will be presented with detailed information, such as the current price, arbitrage opportunity, change in past 24 hours, and trading volumes.

Figure. 6 is an example when you would have selected Bitcoin to trade in the Fortress.

- S.A.M.S : Smart Arbitrage Matching System

As mentioned earlier, even if it's the same cryptocurrency, exchanges have their own prices and that results in noticeable price differences. To provide our users a smarter and more efficient trading tool, Fortress offers S.A.M.S. – Smart Arbitrage Matching System. Fortress's S.A.M.S will automatically calculate and display the best arbitrage opportunity.

For example, if a certain cryptocurrency is trading at exchange "A" for \$120, at exchange "B" for \$110, and at exchange "C" for \$105, it will automatically calculate the difference between the highest and the lowest price, which is \$15, or roughly 14.28% of the lowest price \$105, and display the information below the coin. If you just click on the price difference, it will automatically set the buy/sell exchanges accordingly.

If you want to trade a specific exchange, you can do so by just clicking on the exchange. Small pop up button will show up for you to set BUY or SELL exchange conveniently.

EXCHANGES OVERVIEW											
Spending Asset:											
BITCOIN ETHEREUM USD KRW CNY 🔍											
	BTC	\$ 4,256 (21.87%)		ETH	\$ 195 (21.67%)		XRP	\$ 0.36 (23.69%)		LTC	\$ 69 (21.7%)
	DASH	\$ 301.71 (22.51%)		ETC	\$ 97.86 (22.16%)		BCC	\$ 714.41 (22.28%)		ZEC	\$ 136.75 (21.97%)
	XMR	\$ 51.7674 (20.14%)		BTG	\$ 121.51 (21.11%)		QTUM	\$ 12.45 (21.73%)			
Exchange	Current Price	Arbitrage Opportunity	Change in Past 24hr	Highest in Past 24hr	Lowest in Past 24hrs	Trading Volume					
Bitumb	\$18,352	\$4,014 (21.87%)	\$1,916 (10.44%)	\$19,927	\$16,818	\$508,375,000					
Coinnest		SET AS BUY EXCHANGE SET AS SELL EXCHANGE	\$3,997 (21.80%)	\$1,787 (9.75%)	\$20,217	\$17,121	\$4,395,360				
Upbit	\$18,227		\$3,889 (21.34%)	\$2,010 (11.03%)	\$20,158	\$17,085	\$9,231,500,000				
Coinone	\$18,210		\$3,872 (21.26%)	\$1,951 (10.71%)	\$20,001	\$17,013	\$72,238,800				
Korbit	\$18,200		\$3,862 (21.22%)	\$1,968 (10.81%)	\$19,950	\$16,823	\$90,480,000				
GDAX	\$14,588		\$250 (1.71%)	\$1,916 (10.44%)	\$15,611	\$13,985	\$462,417,000				
Bitfinex	\$14,563		\$225 (1.55%)	\$1,923 (13.2%)	\$15,217	\$13,458	\$1,033,060,000				
Bittrex	\$14,510		\$172 (1.19%)	\$1,905 (13.13%)	\$15,684	\$13,658	\$180,244,000				
Poloniex	\$14,338		\$0 (0%)	\$1,875 (13.08%)	\$15,374	\$13,550	\$178,873,000				

Figure. 7 - Exchange Overview - Selecting Exchanges

- Click Order System

One of the best features of Fortress is its ordering system.

At many other exchanges, you have to manually type in the price, and the quantity to submit an order. However, in Fortress, you can submit an order just by clicking few buttons.

You can put in both market price order and the limit order as well.

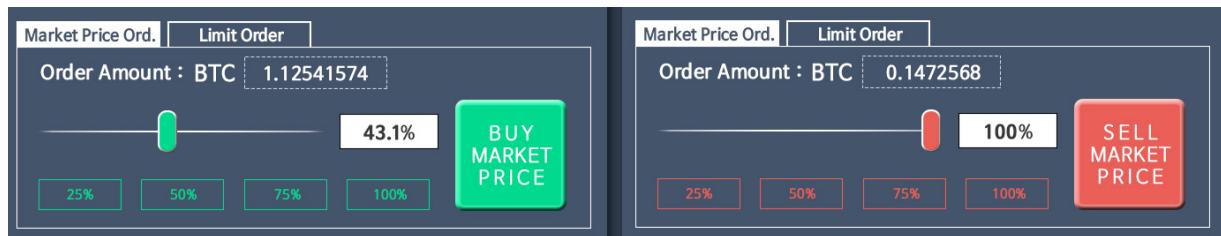


Figure. 8 - Order Sliders

Using the sliders, or the percentage buttons, you can easily set the percentage of spending asset you want to spend, and click the “Buy Market Price,” or the “Sell Market Price” button to place an order at the market price right away.

If you want something more precise yet still convenient way to put in your orders, there is our “Click Order System.”

After setting the percentage of spending asset, you can simply click on the price ticker table below to submit either a buy or a sell order. Even using this method, you can choose whether you want to put in a market price order or a limit order by clicking on the appropriate column. You can set whether you want to use single or double click when putting in orders.

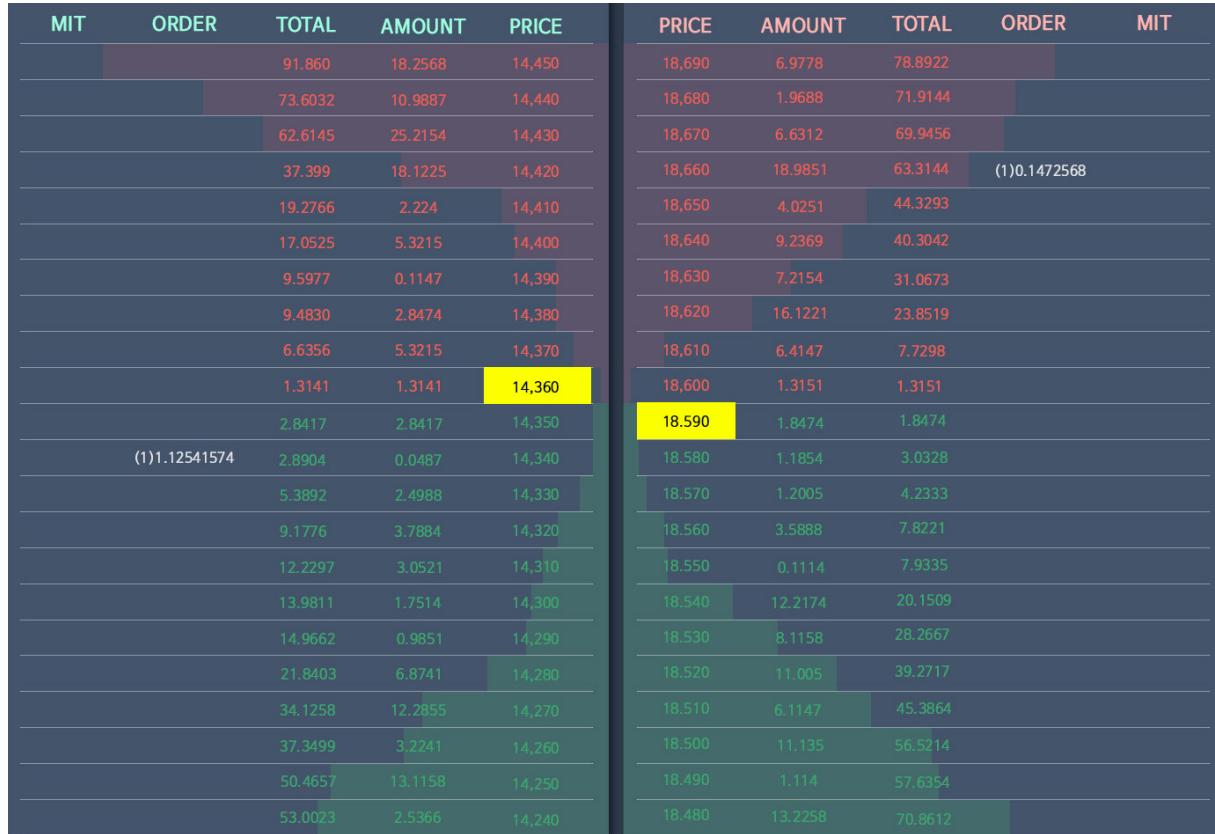


Figure. 9 - Asks and Bids Ticker

Just by looking at the price ticker boxes, you can actually learn quite a bit.

First, the bids (buy orders) are in **green**, whereas the asks (sell orders) are in **red**.

The current market trading price is marked by the **yellow** box, for both exchanges you set.

The **green** and **red** bars visualize the accumulated orders at that price.

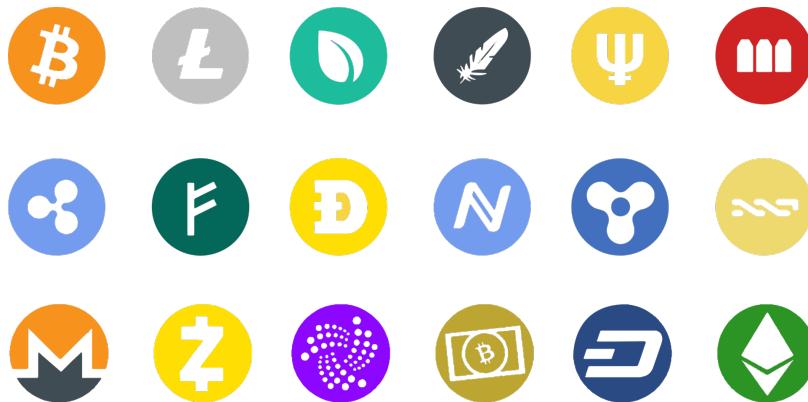
By being able to visualize this, users can easily determine what prices orders are forming at, along with if there are more buys or sells at a glance, providing insight as to where they need to position themselves at.

- Access to more coins

Having access to exchanges around the world means access to wider variety of cryptocurrencies than you would normally have.

For example, let's say you want to buy a cryptocurrency called "XYZ." If the exchange you trade at does not offer the cryptocurrency, only option you had was to create an account at an exchange that does offer "XYZ," go through the painstaking verification process, transfer funds in forms of cryptocurrency, and trade "XYZ." The problem is, the verification process can take anywhere from a week to a month, which is long enough time to lose out on an opportunity because you didn't have access to "XYZ."

With Fortress, as long as the exchange is supported within the Fortress, you will be able to trade "XYZ" without making any new accounts or going through the verification process. That means you don't have to miss out just because your local exchange does not list the coin you want.



To offer such favorable trading environment, we plan to periodically add support for more exchanges to offer greater variety of cryptocurrencies to our platform users.

- Fiat Currency Support



The whole point of providing access to multiple exchanges at once is not just to help traders make more profitable trades. Bigger part of our goal is to provide people all around the world easier access to different exchanges they normally would not be able to access to due to complicated requirements, processes, or just sheer inconvenience they would not want to take on.

To offer proper support for all our users around the world, we understand that we need to support local fiat currencies as well. While our whole platform is based on the cryptocurrency market, most people need to use fiat currency in their everyday lives. We offer the Fidelium debit cards for smaller transactions in everyday lives, but people would still want to withdraw larger amount of funds to their bank accounts directly.

That is why we plan to incorporate in select regions around the world to support fiat currency deposit and withdrawals on a local level. Fiat currency deposit and withdrawals service will be provided for select regions, depending on the regulations and incorporation status in the region as well. Currently, we are incorporated in the United States, with plans to expand into South Korea, China, Japan, and other main cryptocurrency markets. When deciding which region we should provide fiat currency support next, we will perform our due-diligence in regards to the market activity and volume, as well as the regulations and trends of the region.

- Local Servers around the globe

Stable connection and low latency between the users and the servers are pivotal factors when it comes to any trading platforms.

It is even more so when it comes to cryptocurrency market, where the fluctuation is even more volatile than traditional markets. While the internet connection around the world has gotten much faster over the years, one still can't help but to feel a bit worried when hard-earned money or value needs to be traded in a fast and timely fashion. Furthermore, with natural disasters happening all over the globe, such concern is only amplified. We just cannot rely on a single server when connecting all the users and various exchanges.

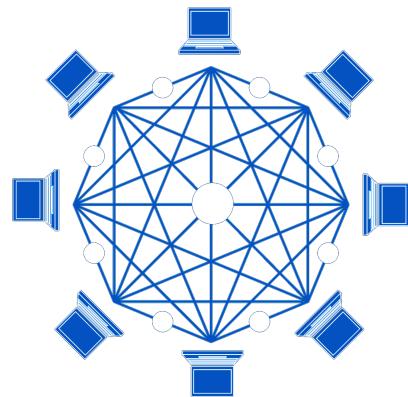
To address that issue, we plan to operate multiple servers in different regions around the world. While providing safeguards against natural disasters, it will also enable us to offer much stable connections and lower latency to our platform users.

There are several factors that determine the quality of connections: Weather, infrastructure, hardware, and physical distance to name a few.

While we cannot do much about the weather, or the infrastructure, we can at least reduce the physical

distance between the users and the servers by operating several servers around the world. Users will be able to connect to the server that offers the fastest and the most stable connection.

Even if a server should ever go down, whether it be for a maintenance, or because of a natural disaster, users will still be able to connect to our platform via a different server that offers a stable and low-latency connection.



Fidelium Debit Card

Real-Life Cryptocurrency Spending

The second problem we want to address is the inability to spend cryptocurrency in daily lives.

The prices of Bitcoin, Ethereum, and other cryptocurrencies have made tremendous leaps in the past year, and even more amazing leaps during past few months. However, even with such growth and feat, there hasn't been much change or improvement in ways for people to spend cryptocurrencies in daily lives.

Even if you have a cache of various cryptocurrencies in your digital wallets, to spend any of them in real-life, you have to register for an exchange, go through the verification process, wait a few days (if not weeks) for the verification to clear, deposit your cryptocurrency, put them up sale, wait until your sell order is settled, request for fund withdrawal, and wait again for actual fund transfer into your bank account.

If you already manage your coin at an exchange, you still have to post your coins for sale, wait for your coins to actually sell, and then you would have to go through the withdrawal process.

While your coins order might be filled right away, you still have to make a request for fiat currency withdrawal to your bank account. The withdrawal process can take anywhere from 10 minutes to several hours. In some extreme cases, it might even take days. That is not a problem when you don't plan to use your cryptocurrency in real-life. But, we believe, to fully realize the potential of cryptocurrency, this issue should be addressed properly.

Introducing “Fidelium Debit Card”

We wanted to come up with a practical solution to enable real-life cryptocurrency spending.

So, we looked at the how we spend money in our everyday life, and the answer became quite clear. Most of our spending was done through our credit/debit cards. The only time we actually used cash was when we were dividing up a bill. Even then, some of us will just send the money through our banks' or other P2P payment apps. Other than keeping some cash on hand for emergency, we weren't using “cash” in our lives.

So, we decided to look into the debit card system. Being able to spend cryptocurrency by just swiping a debit card would be very simple and convenient way for people to spend cryptocurrency in real-life.



While the back-end structure is a bit complicated, the basic idea is very similar to how a regular debit card would work. The difference would be whereas a regular debit card, issued by your bank, will draw funds from your checking account, the Fidelium debit card will draw funds from your cryptocurrency balance.

For our system to work as we envisioned, there are few very important elements that needs to function correctly.

1. A multi-cryptocurrency coin wallet app integrated with debit card network.
2. Liquidity Provider, guaranteeing transactions.
3. Fortress – Fidelium’s Cryptocurrency OTS, fully integrated with our website/app.

Real Life Example

John has three different cryptocurrencies: Bitcoin, Ethereum, and Fidelium, and he has one of each in our Fidelium Multi-Wallet app. To make the math easier, let's say that one Bitcoin is valued at \$100, Ethereum at \$50, and Fidelium at \$10.

Coin	Balance	Value
Bitcoin	1 BTC	\$100
Ethereum	1 ETH	\$50
Fidelium	1 FID	\$10

» *John's Coin Balance*

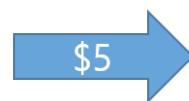
It's Monday morning, and he needs a cup of coffee to start off his week. So, on his way to work, he decides to stop by a Starbucks and get a cup of coffee.

John has a total of \$160, which is more than enough for a cup of coffee at Starbucks, but Starbucks doesn't accept cryptocurrencies as a form of payment. At least not yet.

Based on the coin-fiat balance in your account on our multi-wallet app, Fidelium Card will provide the funds for you to spend your cryptocurrencies in stores that only accepts fiat currencies.

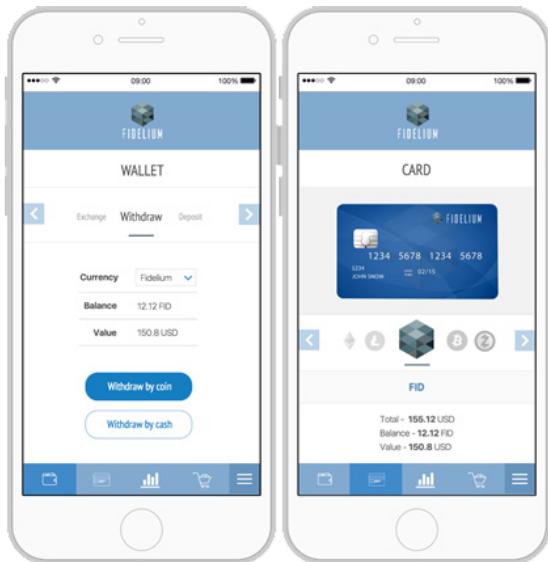
Let's say, a cup of iced coffee at Starbucks is \$5. That means Starbucks needs to receive \$5 before giving John a cup of coffee.

Coin	Balance	Value
Bitcoin	1 BTC	\$100
Ethereum	1 ETH	\$50
Fidelium	1 FID	\$10



» *John's Coin Balance*

John only has his Fidelium debit card and his cell phone on him at the moment. So he wants to pay for his coffee using Ethereum via our app with debit card.



» Sample Images of Our Fidelium App

So, he opens the Fidelium app, selects Ethereum as a payment option, and swipes his Fidelium Debit Card. Starbucks will receive \$5 from our company's bank account via our debit card network.

Coin	Balance	Value
Bitcoin	1 BTC	\$100
Ethereum	0.9 ETH	\$45
Fidelium	1 FID	\$10

At this point, his ethereum balance goes down by \$5, which, in this case, would be 0.1 ether.

» Updated balance after paying Starbucks \$5

What actually happens in the system?

On our server side, we maintain a complete and secured database of all the user accounts with their cryptocurrency balances. To ensure the security of servers containing the user database, we will take several redundancy mechanisms, server mirroring, and other methods.

The website/app server doesn't actually hold any coins. It merely shows the "number" of coins and their respective cash values for users.

The actual coins will be managed with the industry standard hot and cold wallet method. A small portion of the coins will be stored in our "Hot" online wallet, to cover the daily operation costs. Most of the coins will be held in a separate "Cold" offline wallet, with private keys stored separately in different physical offline vaults.

User	Coin Type	Coin Amount	Cash Value
John	Bitcoin	1	\$ 100
	Ethereum	1	\$ 50
	Fidelium	1	\$ 10
Samantha	Bitcoin	15	\$ 1,500
	Ethereum	102	\$ 5,100
Justin	Ethereum	100	\$ 5,000
	Fidelium	250	\$ 2,500
	Fidelium	1897	\$ 18,970
Caitlin	Bitcoin	48	\$ 4,800
Kevin	Bitcoin	21	\$ 2,100
	Fidelium	400	\$ 4,000
Danielle	Bitcoin	20	\$ 2,000
	Ethereum	94	\$ 4,700
	Fidelium	35	\$ 350

» Illustrative Example of the user accounts and balances.
Please keep in mind that the numbers are arbitrary.

When John wants to spend his cryptocurrencies, he would select the coin he wants to use on our app.



John wants to use his Ethereum at Starbucks for a cup of coffee.



The selection data will be sent directly to our system, readying a transaction based on the amount of the coin he selected. When a transaction data comes through via our debit card service provider, we make sure John's balance can cover the amount requested, and approve that transaction, allowing the payment to be sent to Starbucks, via our debit card network service.

When the payment is made to the Starbucks, the corresponding value is deducted from John's coin balance accordingly.



Coin	Balance	Value
Bitcoin	1 BTC	\$100
Ethereum	1 ETH	\$50
Fidelium	1 FID	\$10

Coin	Balance	Value
Bitcoin	1 BTC	\$100
Ethereum	0.9 ETH	\$45
Fidelium	1 FID	\$10

» *John's Updated Balance*

When certain amount of coin is deducted from a user balance, that amount of coin will be instantly traded off via Fortress, Fidelium's proprietary cryptocurrency OTS to provide liquidity, and also to prevent possible losses to fluctuating coin prices. We plan to operate a dedicated traders/managers, along with automatic bot trading system, to make sure we maintain a competitive edge on cryptocurrency trading and stabilize the liquidity for the debit card transactions.

Three Integral Factors

Earlier, we mentioned that there are few pre-requisites for our systems to work, and we briefly covered what roles they play, in the example above.

They were:

1. A multi-cryptocurrency coin wallet app integrated with debit card network,
2. Liquidity Provider, guaranteeing transactions
3. Fortress – Fidelium's Cryptocurrency OTS, fully integrated with our website/app.

So, let's go into details, one by one.

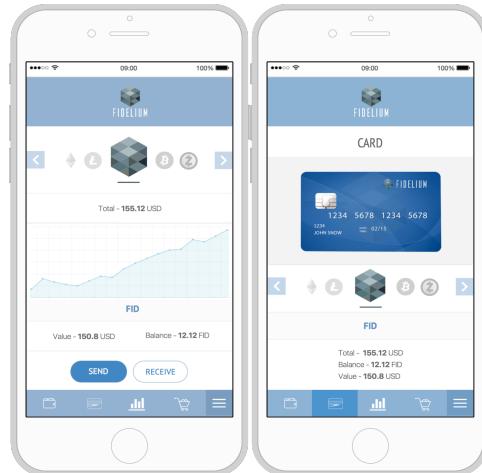
1. Multi-Cryptocurrency Wallet

The wallet is how users will be interacting with our system most frequently - checking the prices and balance of coins, send/receive, exchange between different coins, and, most importantly, select the coin they want to use when using their Fidelium debit cards.

One of the main focuses of the app development is creating a UI/UX that is intuitive and easy to use to all, and making sure the communication between our apps and servers is efficient and, more importantly, secured.

As we have stated multiple times, the website/app server doesn't hold any actual coins. Both our app and website only shows the number of different coins you have in your account, and their respective fiat currency value. This is to protect users' actual cryptocurrencies even further.

To provide further protection, we will add additional layers of security in the app. There will be a second password designated for any transaction involving transfer of any cryptocurrency, along with the Google 2FA authenticator protocol. Further down the road, we hope to add fingerprint supports for transaction approvals as well.



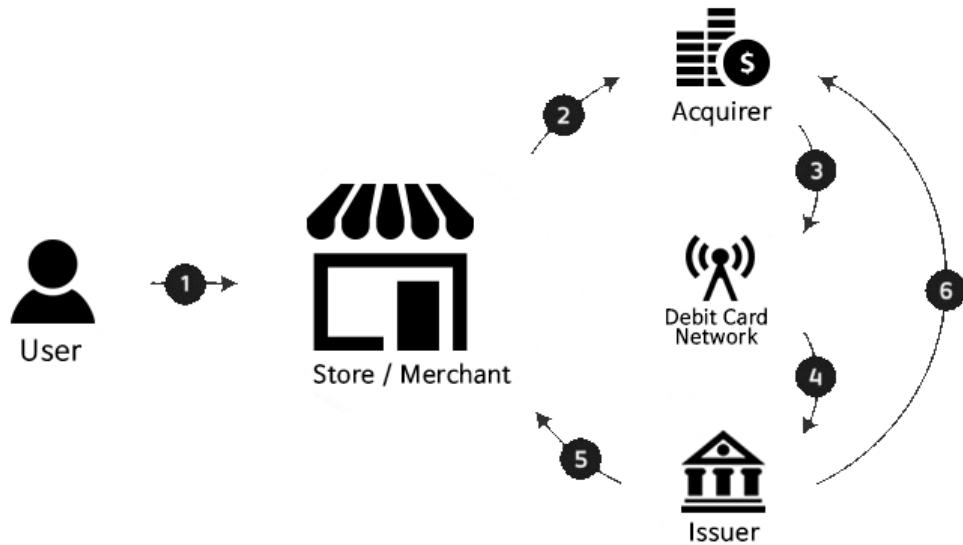
» Sample Image of Our Fidelium App

2. Liquidity Provider

Generally speaking, liquidity is how fluid the market is. In other words, how fast can you buy or sell your asset. If there is no liquidity, you would not be able to trade efficiently. Providing liquidity means making sure users can make trades at their conveniences. However, in our debit card payment platform, providing liquidity means making sure that the correct amount of cryptocurrency can be sold to cover users' debit card transactions.

It is a very integral part of our payment system. Paired with a debit card network, the liquidity provider is what enables the debit card transactions to be approved. By facilitating trades amongst users in our service, it also acts as the guarantors for the transactions. Let's take a look at the debit card transactions to get a better understanding of what role the liquidity provider plays.

Many may not realize this, but during debit, or even a credit, card transactions, the actual physical money doesn't move around. It's just the numbers that are moved around.



Step 1: A customer pays for goods/services from a store with a debit card.

Step 2: The store's POS system reads the information from the debit card, and sends it to the acquirer, the entity that handles transactions on store's behalf.

Step 3: The acquirer sends the transaction details to the debit card network company, asking to get the authorization from the customer's issuing bank.

Step 4: The debit card network company submits the transaction to the issuing bank for approval.

Step 5: The issuing bank approves the transaction and routes back the approval response to the merchant. (This is when the POS would read "Approved" on the display.)

Step 6: The issuing bank routes the payment to the merchant's acquirer, who then will deposit the money into the store's account.

In our system framework, the LP would take on the role of the issuing bank. At Step 5, where the debit card issuing bank would be approving the transaction and send back the approval response, our LP will take on that role. Without a proper LP in place, the card transactions would all be declined and the whole payment system would render useless.

While the LP approves the transactions and routes back the approval response, the actual money still need to be transferred. With the funds from our ICO, and a separate "liquidity" team managing our cryptocurrencies via our Fortress OTS, we will be able to provide the necessary funds to cover debit card payments.

For our system, we have a separate bank account set up with our debit card payment service provider to act as the LP, to provide guarantee for the debit transactions in our system.

3. Fortress, Cross-Exchange OTS (Online Trading System)

As stated earlier in the white paper, users will be able to buy, and/or sell various cryptocurrencies at different exchanges around the world through Fortress.

The screenshot displays the Fortress OTS interface. At the top, there's a header with the FORTRESS logo and a navigation bar with links like 'Hello, Dave', 'Sign Out', 'Support', 'Verification', 'My Page', and 'Setting'. Below the header is a grid of market prices for Gold, Crude Oil, S&P 500, Nasdaq 100, China A50, Euro FX, AUD, Pound, Yen, and Hang Seng. The main area is divided into several sections:

- Trade History:** Shows a table of recent trades with columns for Account, Item, Date, Cnt, Ask, Bid, and MIT.
- Order Book:** Displays a grid of buy and sell orders for Crude Oil (Feb, 2018) with columns for MIT, Sell/Cnt, Ask/Bid, and Price/Vol.
- Cost per Contract:** A table showing the cost per contract for various currencies.
- Product Selection:** Buttons for 'Select Product' (Crude Oil), 'Deposit & Withdrawal', 'Order History', and 'Profit & Loss History'.
- Crude Oil Chart:** A detailed candlestick chart for Crude Oil (Feb, 2018) from January 16 to February 12, 2018. The chart shows price movement, volume, and various technical indicators.
- Order Status Table:** A table showing the status of various orders with columns for Order Status, Status, Item, Sell/Buy, Order Price, Current Price, Estimated, and Order.

Fortress also has another important purpose. It enables us to sell cryptocurrency in timely manner to cover the cost debit card transactions. Without it, we would not be able to provide a stable liquidity for Fidelium debit cards.

Until the Fortress is completed, tested, and release, Fidelium app will be integrated to a cryptocurrency exchange we have selected for us to settle out the debit transaction amount.

Fidelium's Road Map

Fidelium's Road Map

As stated earlier, our goal is to provide an “All-In-One platform to bring crypto-exchanges around the world to your fingertips and enable cryptocurrency spending in everyday lives.”

To unite the exchanges around the world – Fortress system.

The foundation, which our Fortress is being built on, is an online trading system that we have already developed and is fully capable of handling various market trades. At this very moment, even when the token sale is under way, our developers are working on implementing the cryptocurrency market into the program. We are aiming for a May release, with a possible demonstration version release around February or March. You wouldn't be able to make actual trades in the demo version, as the name suggests, but you will get a glimpse of how our Fortress may look or work like a bit earlier.

To enable cryptocurrency spending in everyday lives – Fidelium Debit Card

Our mobile app, which will work as both the multi-cryptocurrency and the app interface for the debit cards, is scheduled for April release, with the beta version aimed for March as well.

We are currently in the process of finishing up the multi-cryptocurrency-support wallet and will soon start integrating the debit card system into our app.

Once our app is completed and fully integrated with the debit card system, users will be able to spend any supported cryptocurrency, not just FID, to make purchases in everyday lives.

Fidelium's Time Line

2017

Start of Fidelium	July	November
Incorporation and Team Building Strategic Project Planning	Fidelium Inc. Incorporation	Start of Fortress Development

2018

Fidelium Launches	January 12	February 26/27
Fortress & Debit Card Released Optimizing the System, and Customer Experience	Public Pre-Sale Starts	Public Pre-Sale Ends ICO Starts

March 11	April	May
Fidelium ICO Ends	Fidelium Mobile App Release	<ul style="list-style-type: none"> - Fidelium's "Fortress" ver. 1.0 Release - Cryptocurrency Trading Available - Support for 5 major exchanges in select regions around the world, such as South Korea, Japan, China, and the United States. - Fiat Currency Support in the United States
March Fidelium Token Listed on Exchanges		

July	November	December
Business Incorporation & Fiat Currency Support in South Korea	Business Incorporation & Fiat Currency Support in China & Hong Kong	Fortress Professional Version Release

2019

Fidelium's Expansion	March	April
Fortress & Debit Card Released Optimizing the System, and Customer Experience	Business Incorporation & Flat Currnecy Support in japan	Additional Asian exchanges added to Fortress
August	September	
Business Incorporation & Fiat Currency Support in Europe	Additional European exchanges added to Fortress	

2020

Fidelium's 2 nd Growth Spurt	January	March
Updating our platform as well as further expansion into more regions	Fidelium Mobile App Ver. 2.0 Release	Business Incorporation & Fiat Currency Support in Singapore

2021

December	May	June
Fortress Windows 2.0 Release	Business Incorporation & Fiat Currency Support in Southeast Asia	Business Incorporation & Fiat Currency Support in South America

Future Expansion

Stocks, Futures, Options, and FX Trading System



Alongside with our Fortress, cryptocurrency OTS, we are also developing a way to connect and use cryptocurrencies to trade traditional financial instruments, such as stocks, futures, options, and FX margins.

We want to bring out the full potential of cryptocurrency. Limiting our online trading system to only cryptocurrency trading would go against that.

It will open up a whole new array of possibility for the cryptocurrency trading ecosystem. People will be able to use their cryptocurrencies not just to pay for things, but also to invest in financial instruments.

Donations and Charities

As much as we are business-oriented and professional about our platform, we don't want to be another money-hungry, do-anything-for-money-only type of company.

We want to make a positive impact on the world.

We plan to partner up with different charities and organizations to make donations to worthy causes. Portions of all proceeds from our ventures will be used to make charitable donations.

Not stopping there, we also plan to find a way to enable users making donations using their cryptocurrencies as well. One method would be selling the coins off through our OTS first to send fiat currency the donations to the organizations.

Our focus is not only on charities or organizations. We also aim to help companies that are trying to better the world as well. New solar panel technology to reduce coal-fueled energy. Water purification to provide clean water to regions where they don't have such luxury. Any venture that aims to bring positive effects to the world we live, we aim to help.

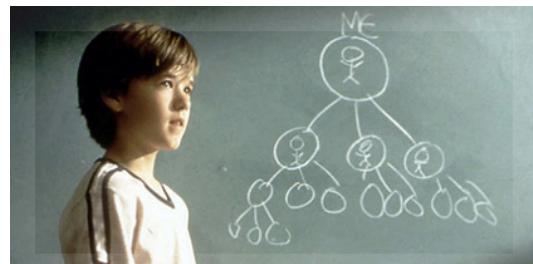
This will allow users to make donations using their cryptocurrencies directly. If the organization receive forms of cryptocurrency, we can send it that way as well.



Crowd funding for Up and Coming Start-Up's



To take another step toward paying it forward, we also want to help fund other promising up-and-coming start-ups. We know firsthand how hard it is to come up with initial or secondary funding, even if the business idea and foundation is solid, and sometimes even proven. While there are more and more talks about entrepreneurship and creating your own business in recent years, the difficulties of raising enough fund isn't covered as much as it should be.



» From the movie "Pay it forward" (2000)

We are fully aware of the fact the only reason we are able to do what we do right now is the help and attention of other people that believe in us. We want to do the same for the new start ups, and hope in turn, they'll do the same for the later start ups as well.

So, through our own researches into different up-and-coming start-ups, we want to help bright entrepreneurs and "pay it forward."

Raffles and Lotteries

With all the professional and serious aspects of our venture, we thought it would be good to add some fun to it. We plan to have regular raffles and lotteries to let the users have some fun. Of course, the tickets for the raffles and the lotteries will be bought with cryptocurrencies.

They will work in the same manner as regular raffles and lotteries we are familiar with.

For raffles, people will purchase the raffle tickets, and, after the sales period, we will randomly select the winning ticket. The winner will receive the grand prize amount, which will also be in cryptocurrency.

For the lotteries, a user will pick a certain numbers and get a ticket associated with the numbers he/she chose. At the end of the week, we will draw random numbers, just like the actual lotteries, and if someone has the winning lottery ticket, that person will receive the lottery winning amount, of course, in cryptocurrency. If there isn't a lottery winner, the amount will be rolled over to the next week's lottery winnings. If there is no winner in the following week, the winnings will be rolled over to the week after that, and so on.



So, there will always be a winner for the raffles every single time, but there might not be one for the lotteries. The winnings for the lottery might accumulate for weeks, or even months. Whoever wins the lottery, will receive the accumulated winnings.

We hope people would enjoy the raffles and lotteries, and wish this would help bring wider acceptance of cryptocurrency by a larger population. Plus, it's just good to have fun some time, right?

Fidelium Token

“FID”

Fidelium's token - FID Summary

Fidelium's token "FID" is a Ethereum's ERC20 token, with total mint of 300,000,000 FID's.

The soft and the hard cap are set at 38,000,000 FID (approximately 10 million USD), 150,000,000 FID (approximately 47 million USD), respectively.

Any and all funds past the hard cap will be refunded to the wallet address they were sent from.

Accepted cryptocurrency are Bitcoin, Ethereum, Litecoin, and DASH.

NAME OF THE TOKEN	FID
TYPE OF THE TOKEN	Ethereum ERC20 token
TOTAL MINT AMOUNT	300,000,000 FID
HARD CAP	150,000,000 FID (≈ USD 47m)
SOFT CAP	38,000,000 FID (≈ USD 10m)
CURRENCY ACCEPTED	Ethereum, Bitcoin, Litecoin, Dash

Table 1 - FID Summary

FID's Utility

The main purpose of FID is the fuel for our platform development.

Once our platform is fully developed and integrated, and FID is listed on numerous exchanges, users will be able to use FID just like any other cryptocurrency in our platform.

Users can trade other cryptocurrencies using FID token, and even fund their offline purchases made with Fidelium prepaid debit card in daily lives.

Furthermore, FID can be used to pay for transactions fees when you are trading in Fortress. You will be able to decide whether you want to pay the fees in the trading coin, or in FID. Not only will you be able to use FID for transaction fees, you will also receive discounts as well if you use FID to pay for the fees.

To award long time holders, we will also offer reduced transaction fees if a user holds onto a certain amount of coins over a certain period of time. If one holds onto FID tokens in Fortress, he will receive discounts on transactions happening within the Fortress. If one holds onto FID tokens in Fidelium app, he will receive discounts on transactions within the app.

When you use your Fidelium debit card, and use your FID as the payment method, you will get a small percentage of FID back as a reward, or "FIDBACK."

Exact details on the percentages and amounts will be released alongside Fortress and Fidelium app.

Token Structure Overview

Total of 300,000,000 Fidelium token will be minted, and 150,000,000 of them will be available for token sale.

The overall token allocation is demonstrated below.

TOTAL TOKEN MINT	300,000,000 FID	-
TOTAL TOKEN SALE	150,000,000 FID	50% of Tokens
PRIVATE PRE-SALE	30,000,000 FID	10% of Tokens
PUBLIC PRE-SALE	30,000,000 FID	10% of Tokens
ICO	90,000,000 FID	30% of Tokens
MARKETING	90,000,000 FID	30% of Tokens
COMPANY RESERVE	30,000,000 FID	10% of Tokens
TEAM	30,000,000 FID	10% of Tokens

Total **50%** of all the tokens created will be allocated for **sale**.

Total **30%** of all the tokens will be used for various **marketing** purposes.

Fidelium will only keep **10%** of the total token as the **company reserve**.

Remaining **10%** will be allocated for our **team**.

In total, **80% of all token will be released to the public**.

Token Price and Bonus Structure

To account for the volatile price changes in cryptocurrencies, and prevent both the company and the participants from unexpected loss, we will apply the base exchange rate of USD \$0.40 / FID token to the price of participating coins at the time of ICO participation application. The exchange rate will change as the token sales progresses. The exchange rate will display during the application process.

The token pricing structure is as follows.

STAGES	Token Allotted	Price	Token Bonus
PUBLIC PRE-SALE	30,000,000 FID	USD \$0.40	40%
ICO 1 ST STAGE	50,000,000 FID	USD \$0.40	30%
ICO 2 ND STAGE	30,000,000 FID	USD \$0.40	20%
ICO 3 RD STAGE	10,000,000 FID	USD \$0.40	10%

Each stage of our token sale has a specific amount of tokens allotted.

When the allotted token for the pre-sale is sold out, the token sale will temporarily cease until the starting date for the first stage of ICO. When the allotted amount of token for each stage is sold out, the token sale will move on to next stage.

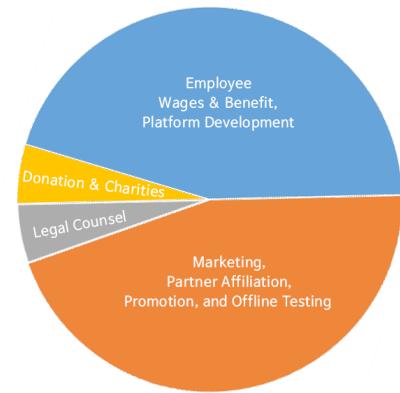
As a way for us to show our appreciation for your interest, we will be awarding bonus tokens throughout token sale. The bonus amount depends on which stage a user participates in, as demonstrated below.



Token Sales Fund Allocation

The funds we raise from the token sale shall be allocated as below.

ITEM	Percentage
Platform Development	45%
Marketing	45%
Legal Counsel	5%
Donation & Charities	5%



The largest portion, 45% of the funds will be allocated for platform development, which includes the Fortress Online Trading System and the mobile application development.

An equivalent portion will be spent on the marketing for the Fidelium platform. This includes both online and offline marketing campaigns.

15% will be used for our affiliated partners, and 5% for legal counsel.

For Promotion and Offline Testing, we will be setting up offline shops to actually test out our service in real life and run promotions to further spread the Fidelium brand.

The last 5% will be used to make donations to various charitable organizations and institutions.

Keeping Our Coins Safe

How do we keep our main cryptocurrency vaults safe?

That's the million-dollar question when it comes to cryptocurrency, making sure that it does not get stolen.

As mentioned earlier, our website/app servers do not hold any actual coins, but rather merely show the number of coins and respective value. For actual spending part of the system, we will create a secure API to communicate information separately with the debit card network and our database system.

Utilizing the industry standard Hot and Cold wallet system, we keep the majority of the users' coins in safe offline "cold" wallets. Only the amount of coins needed for a daily operation would be kept in online "hot" wallets. The amount of coins allocated to the hot wallets will adjust according to the number of users and transactions occurring in a typical day.

Think of it as the cash you have in your wallet. You wouldn't carry all your money in your wallet, or transfer all your funds into your checking account to use with your debit card. You keep most of it in your "savings account."

The "savings account," in this case, would be our offline "cold" wallets. It is our main "vault" with majority of the coins will be kept strictly offline in a designated computer that is completely off-

the-grid. Even if the wallet addresses are open to public, no one will be able to touch the funds in those addresses, since the private keys will be completely offline.

To take another step to ensure the safety of this offline wallet, the offline wallets will be multi-sig wallets, requiring at least two of three keys to sign a transaction. So, even if one of our signatures is physically stolen, that wouldn't be enough for someone to withdraw our funds.

Each private key/signature will be stored in separate USB drives, and those USB drives will be kept in their own separate physical vaults. It's a second layer of vault. To even get to our private key signatures, you have to open a physical vault, and even if someone manages to crack the safe, they still have to break the encryption on the private key signatures. If someone manages to achieve that, they still have to get two out of three signatures. You get the idea.

Whenever we need to take the coins out of the cold wallets, or our "vaults," we would have to have the consent/approval from the private key signature managers. They would have to write down a log, detailing the reason for the using the private keys along with the coin transactions. Doing this ensures that we keep the transactions from the "vault" clear and enables us to trace back through the transactions if an error or discrepancy should ever occur.

Fidelium Team

Fidelium Team



Tae Young Na
Chief Executive Officer
Founder



Justin Yang
Chief Operating Officer
Co-Founder



Steve Kwon
Online Trading Systems
Development Director



Eric Huh
Business Relations Manager



Alex Lim
Community Manager



Sam Mecham
Development Specialist



Darren Faber
Digital Marketing Specialist



Matthew Santos
Marketing Specialist



Chole Chun
Marketing Specialist



Trang Le
Marketing Specialist



Dave Song
Online Trading Systems
Specialist



Edwin Jang
Application Developer

Fidelium Advisors



Ian Scarffe



Luciano Pesci

Advisor

Serial entrepreneur, investor
and consultant

Advisor

Ph.D., Economics
Univ. of Utah



Mike Templeman

Advisor

CEO of Foxtail



Seok Joon Go

Advisor

Professor of Economics
Soongsil University



David Casteel

Advisor

IT Director
at Emperitas



Jaehwan Lee

Advisor

Director
of Winbase



Seok Hoon Moon

Advisor

President
of IRUDA KUMSAEM

Conclusion

Conclusion

We at Fidelium truly believe in cryptocurrency's potential to create new paradigm. Cryptocurrency's true potential is much bigger than just an investment item.

However, the biggest obstacles for cryptocurrency to be accepted in the mainstream is the rapidly fluctuating, varying prices around the world, along with the inability to spend them in real life.

By offering solutions to these problem, we aim to help welcome a new era for the cryptocurrency and the blockchain technology.

With our Fidelium ICO, we want to invite everyone who believe in the true potential of cryptocurrency just as much as we do.

New innovations are popping up everywhere on the internet, not just for cryptocurrency-related services, but in the blockchains as well. It is going to be an exciting road up ahead, and we want to share the experience with as many like-minded people as possible.

Thank you.

Terms and Conditions

Below is the abridged version of the “Terms of Agreement.” Please read it carefully.

If you are in any doubt as to the action you should take, you should consult your legal, financial, tax or other professional advisor(s). Full Version of Terms of Agreement can be found on www.FIDELIUM.io

Description of Company, Network and Tokens

Company Overview

Fidelium is located in Los Angeles, California and presents a new transaction ecosystem, using distributed ledger technology constructed on the Ethereum blockchain.

Fidelium token is based on blockchain technology, which enables development of software such as virtual money transaction programs, financial transactions, debit card payments, and etc., for the users' convenience.

We at Fidelium are starting the Fidelium Token ICO to aid with the company's ongoing software and service development.

Terms of Use - Disclaimer

The terms of this agreement contain provisions that affect the user 's legal rights.

The user must agree to the terms of this agreement, and should not purchase tokens if he/she do not agree.

All users (hereinafter referred to as the “user”) who purchase FIDELIUM tokens (hereinafter referred to as the “FID”) during FIDELIUM’s (hereinafter referred to as “the Company”) ICO period, are subject to the terms below.

All users who purchase an FID from us can contact via WWW.FIDELIUM.IO, for any questions about these terms.

FIDELIUM fully reserves the right to modify, add or delete items in this terms of agreement, posted on the homepage, without any limitations.

By accepting these terms, the users agree that they agree and accept the terms and conditions of this agreement.

Users should not purchase FID if they do not agree with the terms set above at the time of purchase, and the company is not responsible for any loss incurred by changes of the terms.

However, the above agreement does not apply to the contracts signed between the company and the user in writing.

The company and the user agree to the following.

The Purpose and the uses of the token

The purpose of the token is to enable users to transmit and share data in a distributed manner, using blockchains and other associated smart contract services (collectively “services”) through network protocols created and distributed by the company and its affiliates.

These services and software applications are designed with the purpose of helping the charitable, and social goals of providing financial access to many potential users who currently have no access or limited access to financial services.

The token’s purpose is not to gather investments, and does not have any intention of being legal securities in any sense. Since the FID is designed for use only within the company’s system, it does hold any commercial, or any other use, nor value. The company views the FID as a virtual fuel with a single purpose of running the platform, and has no specific prospects or commercial sales value or market price.

Non-financial elements of the FID

In any case, the FID, a simple means of transferring value within the company’s system, should not be understood, deemed, or interpreted as:

1. Any form of currency or money
2. Equity, stocks with voting rights (or similar), rights to the company or other entities
3. Equity in any business or bond investment
4. Securities with intrinsic value or market value
5. Any form of derivative financial instruments
6. Corporate notes or distribution securities
7. Any form of an investment contract between the owner of the token and a third party.
8. Reimbursement, goods for purchase, or assets

It is not a deed for currency, securities, warranties, or any other form that provides interest, dividends or other kinds of benefits to users.

Sales and Purchases - Participating in token sales events

An FID purchase shall be of completely user's own volition, and without any coercion.

1. Users shall only purchase FID through the company's home page.
2. By purchasing the FID, all users are voluntarily agreeing to the information and stipulations in the white papers, and the terms that the company provides. Also, users must be fully aware of the terms and the contents of the white papers.
3. Users must specify an ethereum address at the time of purchase of the FID. The FID will be sent to the ethereum address user provided.
4. The company requires some information to confirm the purchase. Users must agree to this information request, and if one refuse to provide this information, he/she will not be able to receive FID.
5. Users can request for a confirmation of their purchase through the company's homepage.
6. The company will also send confirmation e-mails to everyone who participated in the token sale. Please do not delete the confirmation email as it may be difficult to confirm user's purchase in the future.
7. The company hold the rights to invalidate the purchase history when it confirms a user has purchased the FID for the purposes of money laundering, financial terrorism, and other violations of international law. If the user violates the terms above, all FIDs paid will be invalidated regardless of the amount paid.

Security

Any user purchasing FID should be familiar with the principles of virtual money and how to use cryptocurrency wallets.

It is not the company's duty to explain such information. Such duty falls upon each individual.

Users should be aware that user will not be able to use his/her wallet if the private key is lost, and the company is not responsible for any loss when such problem occurs.

DISCLAIMER: A user should not purchase FID tokens if he/she does not understand the workings of virtual cryptocurrency and the blockchain system, or does not have the knowledge of how to manage it.

Purchases of FIDs should only be undertaken by individuals, entities or companies that have experience and understanding of using cryptocurrency, such as Bitcoin (BTC), other blockchain based software systems, and related materials.

Users must have a functional understanding of the storage and transmission mechanisms related to different cryptographic tokens.

While the company will provide assistance to users both during and after the ICO, the company are not responsible for loss of any coin, such as lost BTC, ETC or FID, caused by user's negligence.

Users should take special care to write down their wallet address passwords and not lose them when the FID becomes available after the ICO.

If a user does not have relevant experience or knowledge, he/she should not purchase an FID or participate in the presale.

Representations and Warranties

All users who wish to purchase an FID must confirm the following:

1. All the information provided to us is correct and accurate.
2. They are not a US citizen, a tax resident or a permanent resident in the United States or Singapore.
3. They are not a minor and has citizenship in his/her residence, or are able to exercise his/her rights in accordance with the local laws.
4. They have sufficient knowledge about blockchains, cryptocurrency's fundamental principles, financial transactions, and have a good understanding of the profitability and risk of an FID purchase.
5. An FID purchase is a purely voluntary act and should be based on the judgment of the user, not by any other third party's enforcement or demand.
6. Users maintain their private key for Bitcoin, Ethereum, Litecoin, or Dashcoin, used to purchase the FID, and have no difficulty in managing private keys.
7. Purchased FIDs are not used for laundering money, financing terrorism, or any other illegal acts.
8. Users purchase an FID to participate in the Fidelium platform the company offers.
9. The intention of purchasing Fidelium is not for monetary gain, speculation, or illegal activity.
10. The purchase of FID was made with own volition, and is not for proxy purchase for a third party.

The company cannot intervene or make changes to user transactions, even at a technical level.

The FID purchased can only be used as a means of utilizing services the company provides.

The user also agrees that the FID's ownership does not constitute ownership of the company and therefore does not guarantee or grant us the right to participate in the operations and property rights, including the rights to the company, future revenue equity, and intellectual property rights.

Users agree that the FID token is not designed for any kind of financial instrument, such as digital currencies and investment products.

Scope of Terms

These terms are applicable from the moment a user purchases FID from the company.

As stated above, the company reserves all the right to modify the terms, and users must agree to this. All users who purchase FID must agree that the company has the discretion to modify, delete, and/or attach other operations, policies, and changed contents. The terms of service, operation and policies provided by the company within the scope of this term shall be deemed to be the subject of all matters of the FID by the user.

Refund and Cancellation of Purchase

All FIDs purchases by the user cannot be canceled or refunded unless they violate the terms of the agreement.

The company has the right to refuse all refunds and cancellation requests, and it can also refuse or cancel the purchase request when the company deem that the purpose of FID purchase is of illegal natures, or the information provided to us are completely incorrect.

Token Sales: Procedures and Conditions

Users acknowledge that by purchasing FID tokens, they agree to the conditions above and procedures of sale, and have no objections.

Disclaimer: Users acknowledge and agree that there is a risk in using or storing tokens, as well as using the company's network services. The company will assume that the user agrees and is fully aware of this risk when purchasing FID tokens.

Privacy

The company requires user's personal information to comply with applicable laws and regulations prior to FID token purchases.

The company will assume that users agree to the submission of personal information when requesting to purchase FID tokens. If there is a delay in the submission of personal information, the company may hold FID sales as the sole authority in accordance with applicable laws and regulations.

Taxes

The company is not responsible for any taxes incurred when purchasing FID.

Any applicable taxes occurred during the sale or usage of the token is solely the responsibility of the user and the user is responsible for paying those applicable taxes.

Users are responsible for withholding, collecting, filing, and paying taxes to the corresponding tax authorities.

Representations and Warranties

By purchasing the FID provided by the company, all users agree and warrant that:

1. Users have read and agree to these terms.
2. Users are familiar with the usage of the ethereum-based token, the wallet to manage the token, the blockchain technology, and the software based on this technology and their mechanisms.

3. Users have done sufficient research to obtain enough information to make sound purchasing decisions prior to an FID purchase.
4. Users agree that the purchase of FID does not have grant any financial or legal rights, in regards to liquidation, ownership, operating rights, intellectual property rights of the company and its affiliates that will have a stake on the company's equity interests and operations, including voting rights, distribution and redemption. Users are granted only the right to use the services the company provides.
5. Users purchase FID for the development and direct use of the services the company provides.
6. Users do not purchase an FID for the purpose of making money, other than investments and speculation.
7. Users are not purchasing FID with intention of monetary profit in investment or speculative intentions.

FID purchases must comply with the laws and regulations of the user 's country of residence.

1. The usage of FID token must be in accordance with the legal standards and/or other relevant legislations of the country the user is residing in.
2. All currency exchange transaction during the FID purchase should abide by all applicable regulations.
3. Additional governmental agreements may be required.

Users who purchase FID tokens must comply with all tax obligations of their country of residence.

If a user is purchasing FID tokens on behalf of an organization, the user must agree to these terms on behalf of that organization, and, even if an unspecified person in the organization commits a violation of terms, the purchaser holds all the responsibility.

Due to legal issues, US or Singaporean nationals cannot participate in the ICO.

Even if a user is not a US or a Singaporean national, he/she cannot participate in the presale and/or ICO from any region that falls under the jurisdiction of either country, he/she cannot participate.

From the moment a user receives FID via smart contract, the risk of loss of the FID is transferred from the company to the user.

Guarantee

To the full extent permitted by applicable laws and regulations, a user shall not cause any harm to anyone relevant to this agreement, such as the company, and its past, present and future employees, directors, contractors, consultants, equity holders, suppliers, sellers, service providers, parent companies, subsidiaries, affiliates, agents, and etc.

Users shall indemnify the company, or any of the affiliates listed above from all liability for any claims, request, lawsuits, damages, losses, expenses (including attorneys' fees), and such issues incurred by

1. User's purchasing of FID
2. User's responsibilities and obligations specified in these terms
3. Infringing on the rights of a third-person or party.

Disclaimer

Except for the terms that the company explicitly write in paper, terms below will be held to the fullest extent of the applicable legislation or regulations.

1. The whole amount of FID allotted for the pre-sale and/or ICO will be available for purchase, but the company makes no guarantees of a quantity that will be available at any moment.
2. Furthermore, the company does not make guarantees regarding FID's limitations, saleability, its usability for specific purpose, and/or the non-infringement of someone else' the name or rights.
3. The company does not guarantee the FID will be free of errors and will reflect the requests of the users. Furthermore, the company do not make a guarantee that there will be no viruses or other harmful components in the FID delivery process.

Scope of Liability

Within the scope of not violating any applicable laws,

1. In no event shall the Company or its associates be liable for any matters such as indirect, special, incidental, or fatal damages (including, but not limited to, loss of profits, income, loss of profits, use and loss of information, loss of business, etc.) incurred in connection with the terms of this agreement, or contract or criminal acts (including any simple negligence, and/or both intentional and unintentional illegal acts), the sale or use of tokens caused by other legal or equitable parties (regardless of whether or not the parties have already been informed about the damage or the damage that could be expected) whatsoever in the course of a lawsuit.
2. Under any circumstances, the aggregate liability of the company, and its affiliates, incurred from the ability or inability to use the token, rising out of contracts, warranties, illegal activities (negligent, intentional, inactive illegal activities), or any other theorem, shall not be greater than the amount the users sent to the company.

The terms listed in this provision do not indemnify the company from liability in case of gross negligence, fraud, or intentional or reckless criminal acts.

Release

Within the scope of not violating any applicable legislations and/or regulations, users shall indemnify the company and its affiliates of all liability, responsibility, and requests incurring from conflicts between the users and third-party members.

