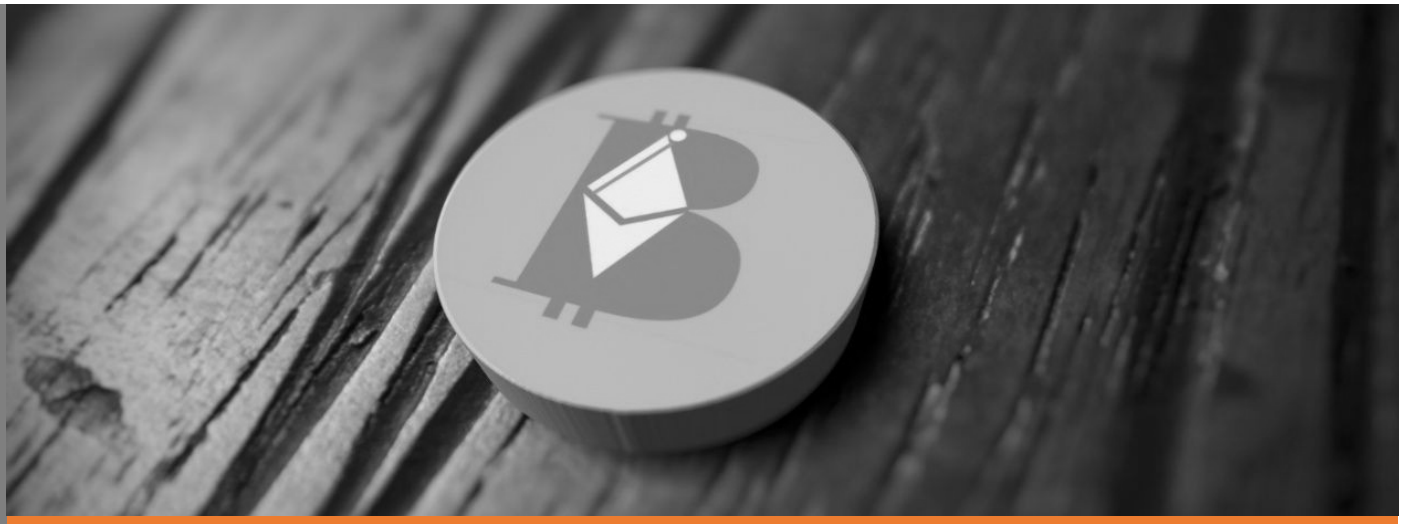

IBTC Whitepaper

V 1.0

Release: November 2017

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Introduction

Cryptocurrencies are here to stay and there are a number of reasons why it would. Blockchain in general will enable decentralization and establish trust among unknown individuals or entities. Cryptocurrency will bring prosperity, equality and transparency. Cryptocurrency is one instrument that can end poverty and serve basic needs. This is due to the fact that network effects are built intrinsically and adoption of it even at a very meagre level would benefits the entire community that includes the poor and rich. Transparency would dictate funds intended as Donations, Charity, Government spending go to the right places.

Even though the advantages are huge, the adoption rate is a miniscule. The entire cryptocurrency market capital is about $178 billion which is still very low when compared to the stock market ($64 trillion) or bond market (> $100 trillion).

But look at the positive, cryptocurrency market now exceeds the total circulating currencies of Russia. Even then there is a lot to improve. Much of the value the cryptocurrency brings is from trading and actual transaction in exchange of goods and services is way less. Cryptocurrency is gaining popularity but for the wrong reasons. It is seen as a way to quickly make money and because of this a lot of fraud and fake projects has emerged. This has further slowed down its massive adoption as a genuine instrument for transaction.

Challenges

Based on our consumer research, we have identified 4 main challenges, if solved can address the maximum problems in crypto currency. IBTC exist to solve these complex yet fundamental challenges.

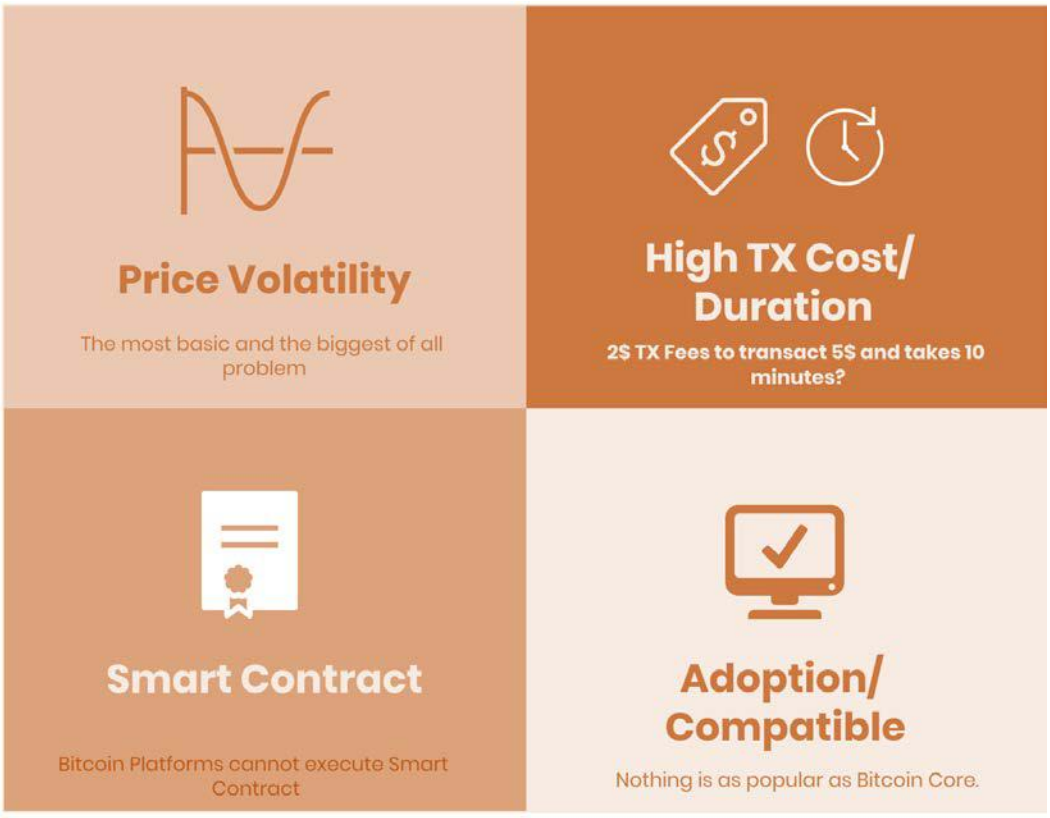


Figure 1: Challenges of Cryptocurrency

IBTC Core - Technical Summary

One of the main reason why cryptocurrency is not mainstream is because of the price volatility. This volatility is even more magnified with new altcoins. With our solutions, we intend to hedge all your investments to even out the risk. You are at complete control in terms of how much risk you are willing to take. Depending on the risk you chose to take, your portfolio is actively managed. Think of IBTC as your investment in a portfolio of cryptocurrency than a single one. It is of the utmost importance. IBTC is not talking about rocket science but the basics of finance – hedging and diversification. This stability in prices is essential to get the merchants and users to participate in payment using our VISA card.

How do we intend to achieve this? We intend to develop an AI managed platform that manages the volatility by actively trading. Our plan is to start out with only two cryptocurrencies – Ethereum and Bitcoin. We will let you chose the percentage of risk you wish to spread between these three coins – ETH. BTC, IBTC. The fluctuations are managed by our AI by trading as required. If ETH is losing its value, then our AI will convert a portion of Ethereum to BTC to negate the -ve fluctuation. If it is a positive fluctuation, the user will gain 80% - 100% depending on the purity value (discussed below). Transfers will be based on a 2-hour window by default, however the users can change this to another value.

We will roll out the products in two modes – Simple and Advanced. Adopters using our simple version needs to only specify one variable – Purity. Purity refers to how much of pure IBTC you wish to keep or in other words how much of risk you willing to attribute. 100% purity means refers to actual reflection of the IBTC value without any security. If IBTC has a 100% positive change it is reflected immediately. You are required however to keep a minimum of 25% purity to keep the demand of IBTC. Depending on the purity your portfolio will be managed by our AI to keep the price as steady as possible. Advanced mode gives more control

to the user on specifying a minimum and maximum contribution % of each cryptocurrency. By design 25% of the value should be attributed to IBTC alone, in order to preserve the inherent value and demand for IBTC. Rest of the mechanics remain the same.

In order to better understand how the inside work, let us look at an example. Imagine you as an investor holds 1000 IBTC which is currently worth about 10$. If IBTC loses its value by 30% in 2 hours, our AI will analyze the trend and convert the IBTC into Ethereum or Bitcoin to avoid further loss (25% of it is still maintained). All of this happens internally and you would not have to worry about a thing.

Technically this is possible, because of a new coin that is internally transferred – I2BTC (Internal IBTC). This happens without the user's knowledge and is on its own blockchain. The amount of I2BTC determines the value for IBTC. If the user has hedged against ETH/BTC, and if the consolidated portfolio is a net +ve; the holder is allocated extra I2BTC and so on. Due to this internal pegging, the value of IBTC will eventually be ultra-stable unless there is a whole market crash. All these trades happen in our own exchange with 0 fees on any AI initiated transactions. This is because the IBTC team is a true partner and would not want the user to suffer more. However as a true partner, it has a nominal share when the profits arise between 5% to 20% depending on how much loss the AI has incurred. Remember, the 5% to 20% is taken off only on the gains or profit that AI was responsible for and not on user initiated trading. In short, simple investing on IBTC,

you earn extra money like interest because of simple transparent trading. You rarely lose any value at the end of the day.

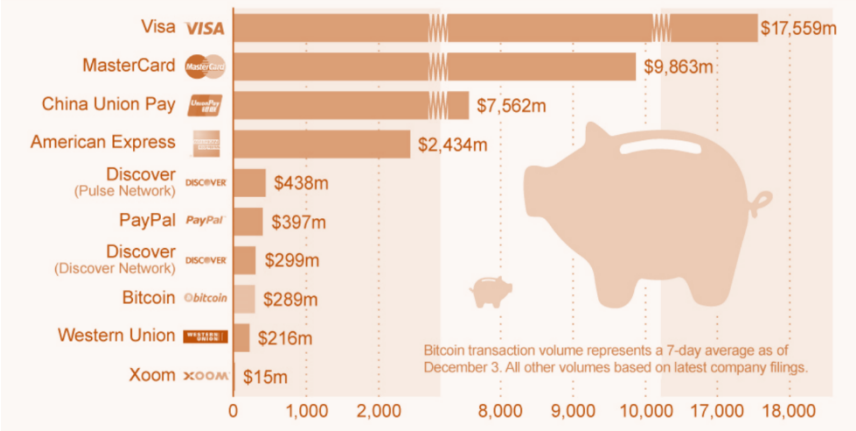


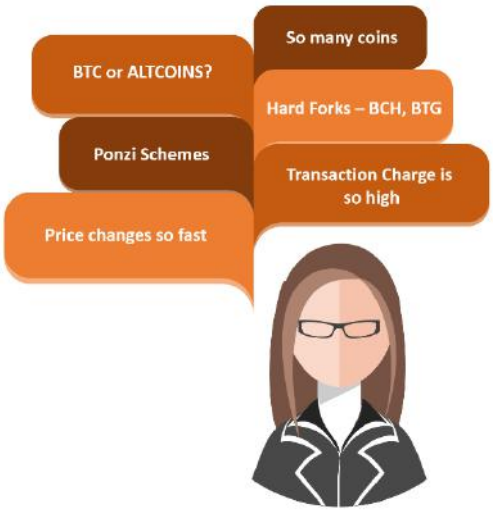
Figure 2: Top 10 Payment Networks/Medium (Coinmetrics, 2014)

Figure 3: Problems of Bitcoin (Roger Ver,2017)

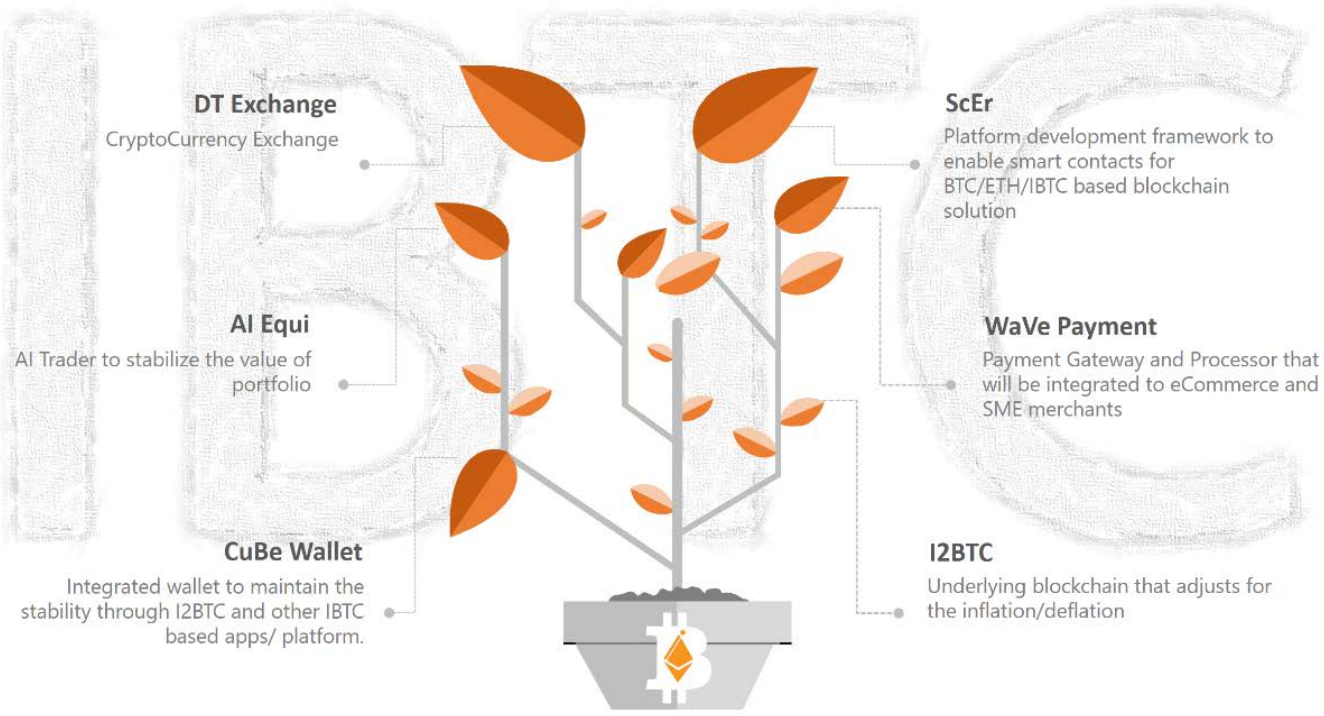
A quick glimpse at the above two picture indicates two main things: Cryptocurrency has huge potential to grow (only $289 million) but is hassled by the very problem it tried to solve – high transaction fees, longer duration and centralization.

Our Solution

Now that we have solved the first problem – price volatility, let us look at some of the other problems. Customers is always left to choose between Bitcoin and Altcoins primarily Ethereum. Much of the transactions that occur is attributed to mere trading/ investing. Payment against goods/ services is still very very low. As a payment service, user would always prefer Bitcoin due to its compatibility and popularity. However, the transactions are slow and there are no automated contracts to oversee. We believe we can bridge this gap by getting BTC in Ethereum platform and hence IBTC.



This unique token model helps us in a multitude of ways. Firstly, IBTC team will have a common ETH and BTC pool. In order to leverage this, we have come up with three unique products and one supplementary product available to user. Remember that our token itself is a product on its own due to its complex nature. In addition, AI based trader, I2BTC, etc. are our non-user based "Under the Hood" solutions that are quintessential and basis for the project. We favor rapid prototyping and hence has chosen agile methodology instead of waterfall. Each product is divided into separate projects and has unique timelines.


DT Exchange
CryptoCurrency Exchange
AI Equi
AI Trader to stabilize the value of portfolio
CuBe Wallet
Integrated wallet to maintain the stability through I2BTC and other IBTC based apps/ platform.
ScEr
Platform development framework to enable smart contacts for BTC/ETH/IBTC based blockchain solution
WaVe Payment
Payment Gateway and Processor that will be integrated to eCommerce and SME merchants
I2BTC
Underlying blockchain that adjusts for the inflation/deflation

Seamless Exchange – DT

Named after the founder of IBTC – Don Toshi is a seamless and fluid asset exchange. Due to the uniqueness of our token, we enable up to 75% of your total asset to be exchanged between ETH and BTC with 0% commission simply by adjusting the purity meter or through the advanced mode. Access to both these modes is only through our wallet – this is due to the unique nature of I2BTC (internal) token. Please note that you can exchange 100% of your assets to any cryptocurrency that is listed with a tier based nominal fee including ETH and BTC. The fact that we will have a common ETH and BTC asset allows 0% commission on internal trades. And very low fees in case you wish to convert 100%.

We are looking to built the exchange based on these opensource technologies (some of them are built for advertisement bidding):

- Google Open Bidder
- Peatio
- RTBKit

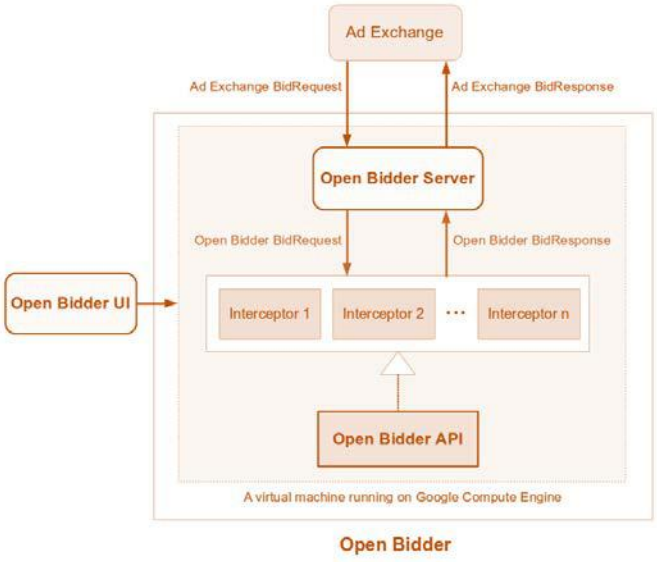


Figure 4: RTB Framework (Google, 2016)

AI Equi®

AI Equilibrium will be our patented auto-trader that will maintain the value of your asset according to the purity value that you had specified. We are currently studying existing opensource AI tech that is available and actively debating. This will be the only non-open source product from IBTC as this is our core competency and do not wish to be compromised. Current technologies that we are referring to are:

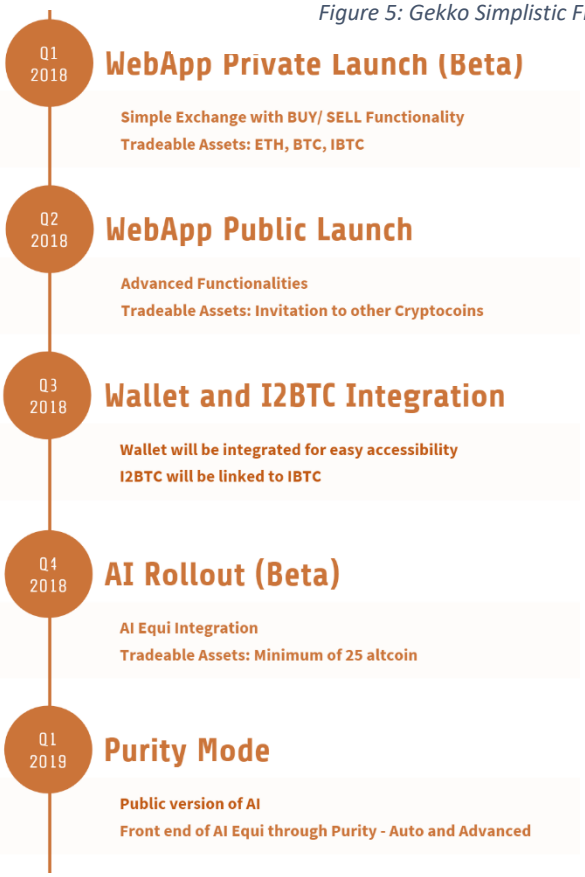
- AIOTrade
- Gekko

- StockSharp

Please do not misunderstand our intent. We are well aware that to get an AI trained in nitty-gritties of trading and cryptocurrency and keeping up with sentiments and taking decisions is easier said than done. What we intend to do is not making a profit all the time but with simple exchange of with standardized STOP-LOSS orders in order to maintain the EQUILBRIUM.

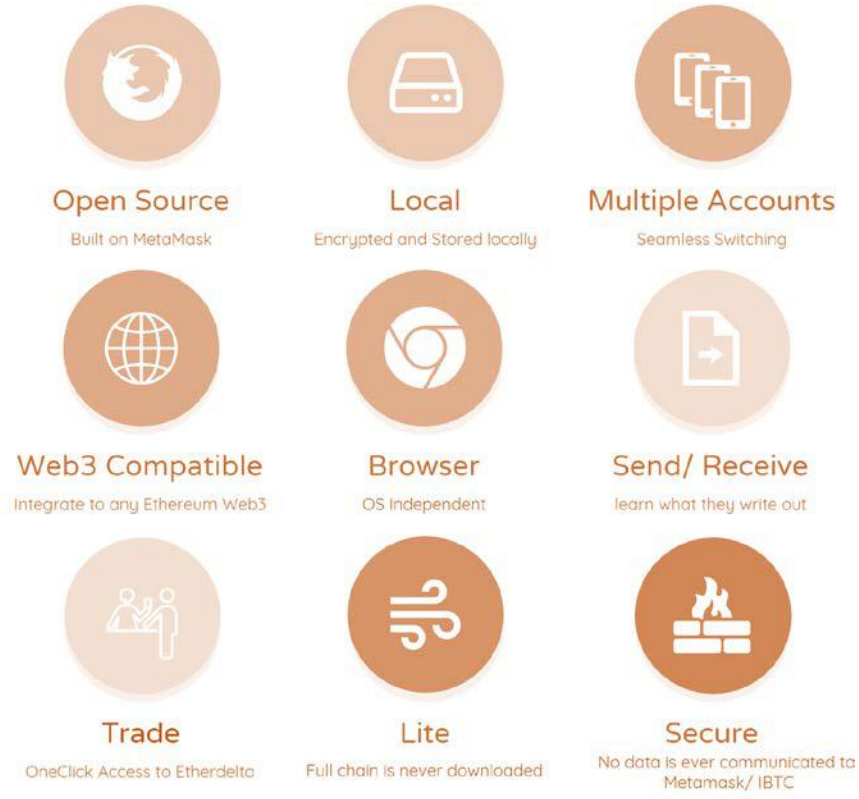
What we have decided as of now is to develop in PHP/ Laravel based on the guiding principles of bowhead and his tutorial.

Figure 5: Gekko Simplistic Flowchart (Gekko, 2016)



Wallet – IBTC CuBe

Even though our token is based on ETHEREUM STANDARD ERC20, we have our own Wallet. The reason again is that we intend to slowly convert our seamless exchange into the Wallet allowing mere storing of coins to increase value. However, any standard ERC20 compatible wallet should be able to hold our IBTC token without the hedge benefit.



The beta version of the wallet is released and has the following features:

- Completely open source built on the popular metamask-extension
- Account wallet is encrypted and stored locally in your browser.
- No information is ever communicated to MetaMask Servers.
- Maintain multiple accounts and switch seamlessly
- Gives access to Ethereum enabled sites.

- Platform independent as long as you have a chrome browser running
- Users need not download the entire blockchain to be in sync
- Users have access to IBTC token and ETH token.
- Users can send IBTC token (through Tokenfactory) or ETH token from the wallet
- Users can click on trade to have one-click access to EtherDelta trading page

Payment Gateway – IBTC WaVe

As discussed earlier, our ultimate aim is to get the cryptocurrencies to be used for service and not just for trading. In order to achieve this, we fist focus on the stability of the price as discussed earlier. Only then, we will be able to win Small Business Enterprises (SME)'s trust. As you can see, we at IBTC believe in an integrated plan and not separate non-related ventures. Every product or services is related.

We will set-up our own payment gateway similar to PayFlow. We intend to start this at a very small scale by providing at first only digital services in one country/ state. We will however scale rapidly. We will then slowly crawl either establish ourselves as a trusted branding and then partner with existing Payment Processor to include IBTC as a currency. We will initially provide a huge fiat deposit to the payment processor for the acceptance. Once they gain confidence, we will transact only on IBTC.

We will primarily target e-commerce websites, legal cannabis trading and local merchants. To foster and promote IBTC, we will set-up our own loyalty programs for merchants and customers alike. We strongly believe in incentivizing the merchants. These loyalty tokens will be in yet another blockchain that could be traded only in IBTC Don Toshi Exchange for IBTC tokens.

We will then release our own digital card (GPR) integrated with VISA/ MasterCard/ AMEX (To be decided). We do not intend to build our own network as discussed earlier. We intend to partner with program managers like BlackHawk, InComm, TangoCard. For users who want a plastic card, they will be provided for a fee. This Is because that for most occasions digital cards stored in Apple Pay or Samsung Pay is enough. In addition, IBTC is committed to its environmental obligation. In Keyfact it is one of the reason why we chose ethereum as a platform as ETH prepares to implement PoS (Casper hard-fork). Currently talks are going on and we will be bringing an experienced consultant. This is our integration to the brick and mortar world. As a lot of cost is involved in the development of this, we intend to start this later next year to give time for CuBe, DonToshi, and AI Equi to be developed.

Smart Contracts Enabler – IBTC ScEr

The final product in IBTC's grand plan. The most important reason why we chose Ethereum as the primary platform. This is similar to the contract enforcement of Ethereum, however with a big difference. As explained earlier – our products are compatible with both ethereum and bitcoin. If a merchant accepts only Bitcoin, you can still initiate the transfer with your IBTC as the underlying asset includes a significant BTC portion that will be transferred. This simply means you can have enforce smart contracts with BitCoin, Ethereum, or IBTC. With our payment platform coming up, soon fiat could also be enforced.

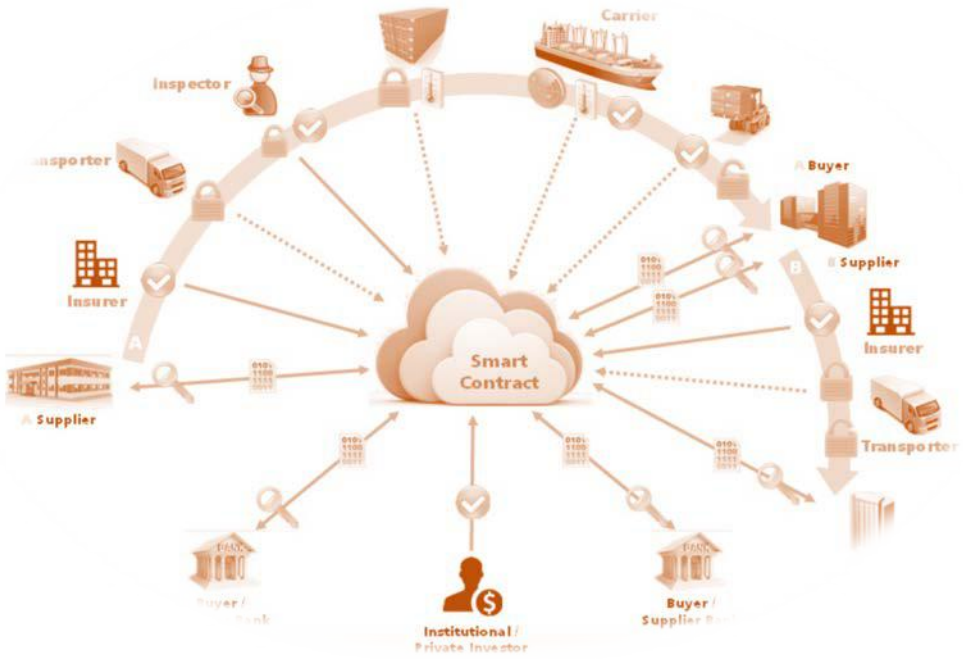


Figure 6: Typical SmartContract driven trade portal. (UBS, 2016)

While the above is intended for general public, we intend to build complete solution to governments (developing countries) for trade, real estate and digital identity. We intend to talk with specialized blockchain companies like Consensys later next year for the feasibility of partnership. The reason why we intend for

partnership is for the instant technology transfer and expertise. We will develop custom application with every party as a node. This will facilitate cross border trade without bank hassles in getting a Letter of Credit. The buyer, seller, port, customs, 3rd party certifier, insurer, all will be on this blockchain. Every entity will have inter-linked smart contracts and can chose the mode of payment – IBTC, Bitcoin, Ethereum or Fiat. Since we can offer payment in a multitude of ways, we will have significant advantage over other systems. This will be our USP. Note that the application will most likely be developed in hyperledger or a modified ethereum network (for privatization) as governments generally would not want all these data to be public. For this very reason, we will be looking at smaller developing countries like Philippines, Fiji as our first target. The only incentive to IBTC in this regard is the payment token being used will be IBTC.

Projects under consideration

We listen to the users and all the above projects has come out after long discussion in forums (bitcoin talk), private messages (telegram). Recently some of the users have also shown interest in many other projects of which the following are under our consideration.

- **Investment Platform**

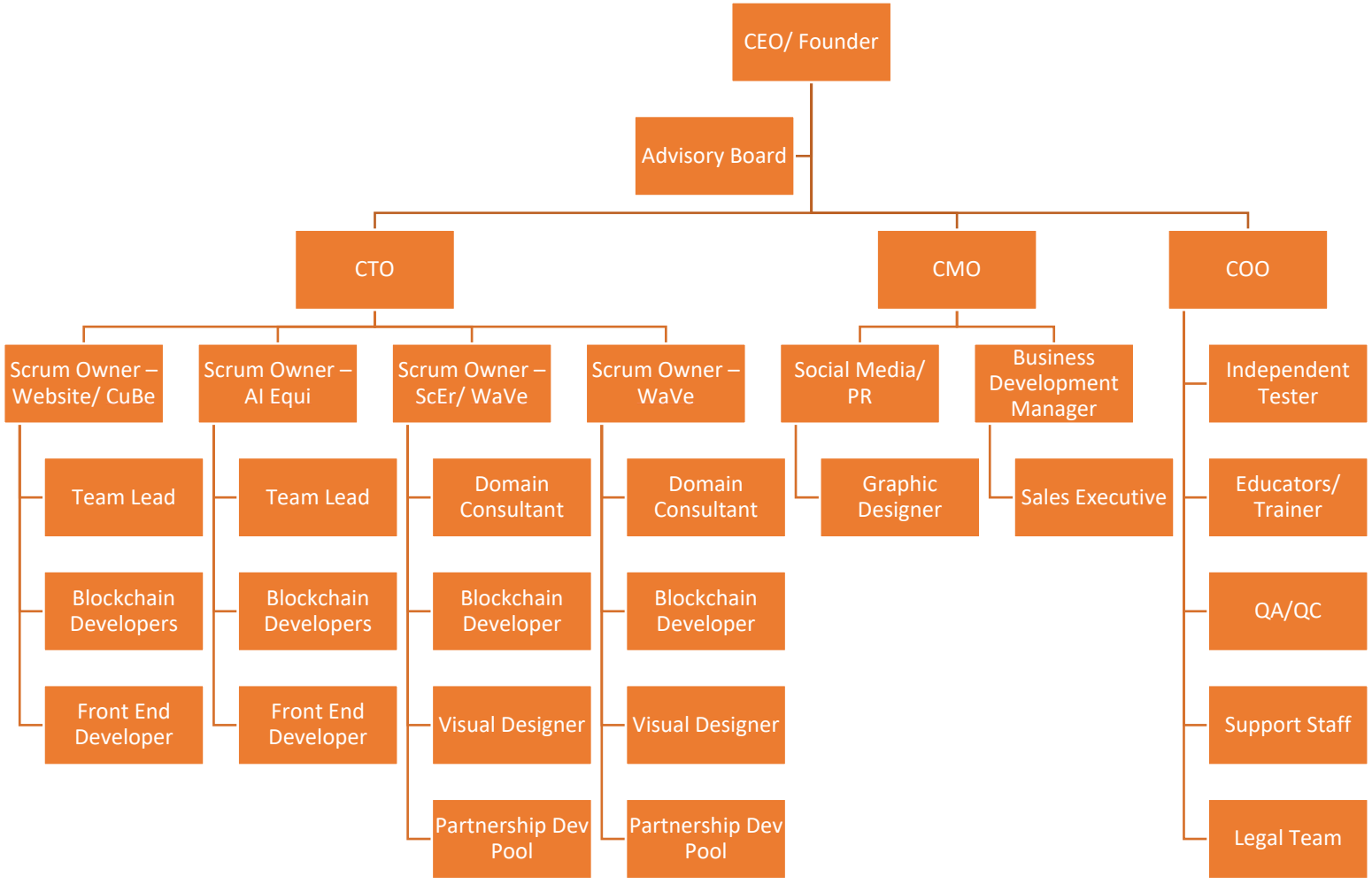
  IBTC board executives will identify potential blockchain projects including individual projects in ScEr Domain. Each project will have a public pool allocated. Within this pool, IBTC holders can contribute and reap the profits according to their individual contribution.

- **P2P Lending Platform**

  Individuals in need of money can put their need personal/ commercial and can raise funds. This is similar to other platforms like KickStarter. IBTC will vet each application and provide interest (5% - 10%) to individual contributors.

Team Structure and Anonymity

We are a hardworking and selfless team whose mere existence is to improve the #cryptocurrency space. We have a young and energetic team led by our advisory board comprising of whose domain expertise is rich and varied. This is an ongoing project and we will be adding more personnel and exciting new projects. We are hiring experienced blockchain developers, front-end developers, business development, sales executive and marketing gurus that has proven their credibility. Timelines for hiring key personnel is already highlighted under each project. Watch out for those dates and get in touch with us.



If you are a young graduate and would like to be mentored or if any of you are looking for a part-time opportunity, please get in touch with us immediately.
Currently all our team members are kept anonymous. We respect privacy of each individual who will be working as back-end and can freely work as anonymous with a nickname.
Front facing customer roles and executive roles will be public and will be revealed in our website once our Exchange goes live.

Token Deployment

Coin Abbreviation: IBTC

Type: PoW*

Avg. Time Between Blocks: 15sb

Total Coins: 21,000,000

Purity Rate: 1%

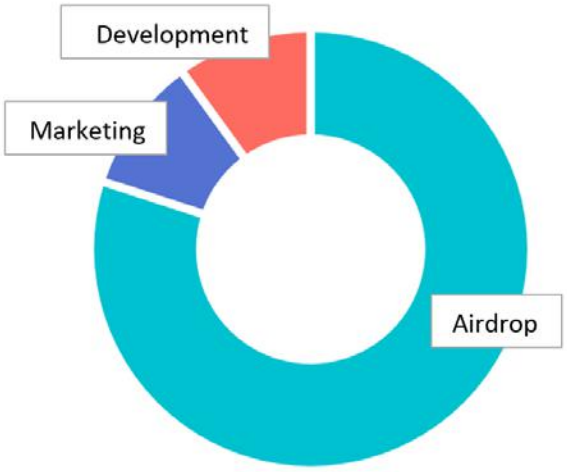
Coins in circulation: 17,000,000

Airdrop: 13,600,000

Marketing: 1,700.000

Developer: 1,700,000

***IBTC supports planned hard fork Casper that will move from PoW to PoS**



Market Availability

COIN MARKET CAP

EtherDelta

IDEX Decentralized Exchange

Soon to be listed:

- CoinExchange
- Mercatox
- YoBitExchange
- BITTREX
- Poloniex
- Kucoin

Social Media Coverage

steemit

Medium

cryptocoins news

LET'S TALK BITCOIN!

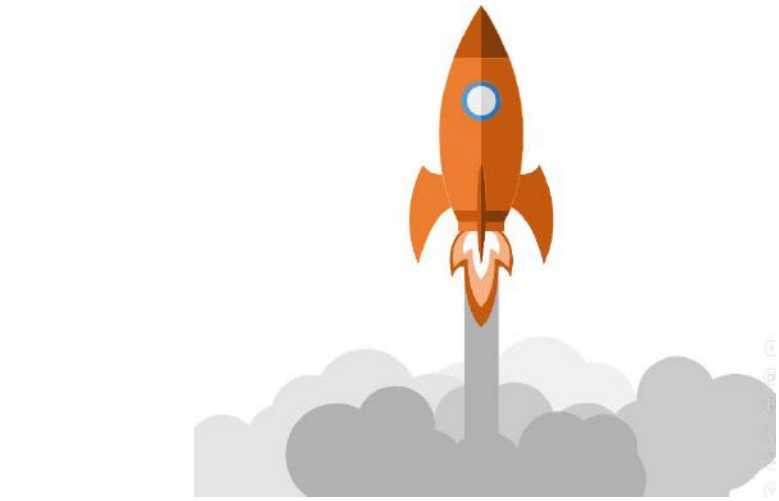
FUTURE BLOCK

Roadmap and Key Milestones:

Q3 2017:	Listing in major exchanges
Q4 2017:	CuBe Wallet UI Beta Release
Q1 2018:	DT Exchange Launch allowing to trade with BTC/ ETH
	Cube Wallet v1.0 with IBTC-USD value
Q2 2018:	DT Exchange trade with additional cryptocurrency
	Cube Wallet to be listed in Chrome Webstore
	Key Personnel hiring - WaVe Payment platform
Q3 2018:	I2BTC and Wallet Integration to DT Exchange
	CuBe Wallet to be released for Edge, Firefox and Standalone Chromium Application
	CuBe Wallet to have in-build TX/RX forms
Q4 2018:	AI Equi® Rollout as Beta
	WaVe Announcement regarding location and partnership
Q1 2019:	Purity Mode and AI Equi® open to public
	WaVe Payment Gateway to be released
	Release of WaVe Loyalty Program
	Purity Mode to be enabled for CuBe Wallet
Q2 2019:	Key Personnel hiring – ScEr Platform
Q3 2019:	Digital/ Plastic Debit Card to be released
	ScEr Partnership announcement
Q2 2020:	ScEr Prototype in Real Estate, Trade and Digital ID to be released
Q3 2020:	ScEr Platform Beta Testing
Q4 2020:	Deployment of ScEr Solution

Frequently asked questions

We are currently in the process of collating the questions. Please post some of your questions in the below link:

https://t.co/8zIvQ1oBRW

An update of this whitepaper is planned for Christmas. It will then feature some of the most commonly asked questions and answers and add future projects. Meanwhile, you can reach us through our social media platform.