

BBOD is world's first decentralized platform to trade cryptocurrency options, futures and exchange digital coins and tokens.

We aim to revolutionize the entire trading experience by making the platform community-owned with high liquidity and unprecedented security.

BBOD proposes a disruptive model of sharing economy: „burning tokens (collected from transaction fees) to increase value.”

Timeline of Token Sale

Hard Cap: 300,000,000 BBD
Soft Cap: 2,500,000 BBD
Start of Main Token Sale : Oct 1, 2017
Closing of Public Sale : Nov 1, 2017
 The notional value of BBD is set to:
 1,000 BBD for 1 ETH upon end of Sale

What problem does BBOD solve?

➤ Lack of decentralized options and futures trading platform

Although there are centralized platforms where cryptocurrency derivatives trading is facilitated, however a decentralized options and futures platform does not exist.

➤ Most of trading platform are commercial projects

In the era of ICO funding euphoria, more and more projects collect funds for their own benefit. BBOD is a community-owned platform therefore bulk part of fees earned by the platform collected in BBD token are burned to decrease supply of BBD tokens .

➤ Miners front running

This complicated issue makes slower traders to lose money. The miner of the next block will always have the option to execute cancelled orders and take potential profits. Backed by National Quantum Information Centre, BBOD's system encrypts, on-chain, all sensitive transaction data like price and volume.

➤ Lack of Liquidity

BBOD proposes a hybrid market of frequent batch auctions with an autonomous market maker, continuously leveraged by reserve contributors who maintain their own reserve and provide quotes to the platform.

Why you should buy BBD token

BBD utility tokens are used solely to pay for the platform's trade execution fees. BBOD is designed to benefit community, therefore All BBD tokens that BBOD collects from fees, after paying Exchange Operator and Partners, will be burned and taken out of circulation, ceasing to exist, forever..

BBD tokens are now listed on etherdelta.com, once the MinCap is reached, trading is possible.

We offer extra bonus for token buyers who purchase significant amount of BBD tokens in a single transaction. The bonus of additional 5%, 10%, 15% or 20% BBD tokens is guaranteed by smart contract.

BBOD Trading Platform

The platform is designed to provide a single venue to trade the full range of cryptocurrency derivatives and convert digital coins and tokens.

Aside from trading service, BBOD offers a free listing service. Issuers or holders of any ERC20 tokens will find an automated way to introduce their tokens into our derivative market and spot conversion market.

BBOD provides unbreakable on-chain encryption of all sensitive transaction data like price and volume by using elliptic curves post-quantum cryptography, which is secure against all known quantum algorithms. This solution protects traders from abuse by greedy miners and front-running.

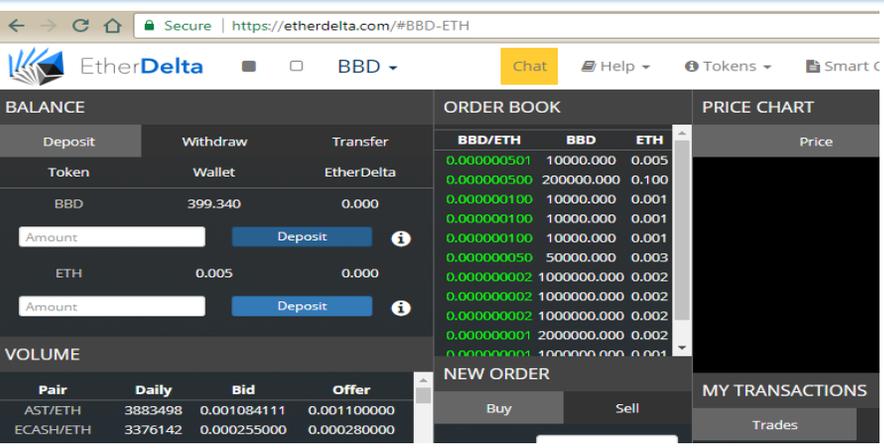
Trading products

BBOD platform's total product offering include digital coins, tokens, their derivatives (futures and options) and exotic crypto products.

- **Coins and tokens**
 - All ERC20
 - Bitcoin
 - Ethereum
 - Ripple
 - and more
- **Exotic crypto**
 - BitHash*
 - EtherHash
 - DashHash
 - and more

BitHash Futures contract derives its value from standardized amount of mined bitcoins per month based on defined assumptions. For example, Miners may sell BitHash Futures to hedge their revenues from mining coins.

You can find more information at: www.bbod.io and check our MVP at www.mvp.bbod.io



The picture on the left side illustrates the BBD tokens listed on etherdelta.com exchange.

Why any decentralized options and futures trading platform does not exist?

Although there are few centralized places when derivatives are traded (Deribit, CryptoFacilities, LedgerX...). There is no decentralized (on blockchain) platform. What's more there is no place to trade options on Ether. Why nobody has developed a decentralized platform? There are some challenges that require time and expertise:

- (1) security and transparency of transactions (encryption of transaction data and decryption for audit),
- (2) solid protocol for clearing and settlement transactions (margin management)
- (3) blockchain architecture to offer fast and secure transaction processing
- (4) market design for promoting liquidity

We have been developing encryption mechanism with collaboration with National Quantum Information Centre in Gdansk, we have solid concept of 2, 3, 4 challenge on hand. Our R&D office in Gdansk (Poland), we will have sales and marketing offices in Dublin and Madrid.

Burning tokens to reduce supply and increase, presumably, value.

We are proposing a new way of sharing economy through a burning programme designed to increase the stake of each BBOD contributor.

All BBD tokens that BBOD collects from fees, after paying Exchange Operator and Partners, will be burned and taken out of circulation, ceasing to exist, forever.

For example, imagine a trade with volume of 100 ETH, with a fee of 0.005%, 1 ETH = 1000 BBD, this means that a fee equals to 5 BBD. This amount will be paid to the platform. The Partner will get, supposedly, 20% or 1 BBD and Exchange Operator will get also 1 BBD. The remaining 60% of the fees or 3 BBD will be taken out of circulation, burned.

How burning programme may translate to change in value of BBD token

If you intend to buy BBD token to use the platform, you should be aware how burning programme may influence value of the token.

If we assume that:

- Rollout of commercial base version of product is Q1 2018
- Average daily volume \$5m (30% of current Deribit.com volume trading) after the rollout.
- Average transaction fee = 0.05%
- Trading days = 360
- Burning rate = 60%
- Total dollar supply of BBD tokens at the end of token sale = \$400,000
- Volume is constant throughout the year, supply-demand for BBD tokens is constant.

We can simulate the effect of burning programme on change in value of BBD token in one year between Q1 2018 and Q1 2019 as follows:

$$(\$5m * 0.05% * 360 * 60%) / \$400,000 = 135%$$

Please note, we do not recommend buying BBD tokens for speculative investment purposes. You should rather buy BBD tokens to participate in the Blockchain Board of Derivatives trading platform. The tokens sold by BBOD aren't equity in a firm. Rather, they are tokens that can be used at a future date to purchase services or products BBOD intends to produce. Please read full disclosure in Whitener

Our Team



Piotr Arendarski, Ph.D

Co-founder



Piotr is an expert in market microstructure theory, one of the leader of Quantitative Finance Research Group at University of Warsaw. He is an Assistant Professor in Finance at Poznan University of Economics where has educated +4000 students who later have worked for Goldman Sachs, Citi, EY, KPMG. Piotr is a Project Manager and manages day-to-day business operations at BBOD. He is a founder of Quant Technology, a fintech startup. Piotr holds Ph.D degree in Economics.



Krzysztof Urbanowicz, Ph.D

Co-founder



Krzysztof is highly experienced coder and mathematician with +20 years of professional and scientific experience in Max-Planck Institute, Bunge and Trinity College Dublin. Krzysztof guards the quantitative accuracy of algorithms at BBOD platform. He is a founder of Quant Technology, a fintech startup. Krzysztof holds Ph.D degree in Econophysics.



Marcin Pawłowski, Ph.D

Head of Quantum Cryptography



Marcin is an industrial expert and scientific authority in Quantum Cryptography. He is a leading member of National Quantum Information Centre in Gdansk, with more than 50 publication on Quantum cryptography and experience in large scale projects at Max-Planck Institute and University of Bristol. Marcin watches over security at the BBOD Platform. Marcin holds Ph.D degree in Quantum Information.



Tomasz Jackowski, Ph.D

Head of Software Development



Tomasz has +20 years executive experience acquired in Morgan Stanley and Societe Generale in New York in investment banking division. He has more than two decades of industrial experience in trading platform development and architecture (he created Socgen's trading platform before 08 crisis). Tomasz holds Ph.D degree in Computer Science from Columbia University.



Andrzej Urbanowicz

Software Architect



Andrew is a is one of the world's leading software designers with more than decade of industrial experience in IBM, CERN (Geneva), Hewlett Packard. He has worked as developer/designer and later as an Application Architect and Team Leader for P&G, ING, Deutsche Bank. He has specialized in architecting large scale application and leading delivery distributed teams. He is blockchain enthusiast. Andrew holds Msc degree in Computer Science.



Pawel Urbanowicz

Full-stack Software Developer



Pawel is a leading software developer with technical industrial experience in CERN (Geneva) and Onwelo, He has gained expertise in mobile application development (Android), as well as, full-stack development and blockchain based trading platforms.

Our Team



Professor Janusz Hołyst

Head of Advisory Team



Janusz is a top authority in econophysics with focus on complex systems of financial economics. He was awarded Ph.D. in Physics in 1985 from Warsaw University of Technology. He is Full Professor at Faculty of Physics at Warsaw University of Technology where he leads a Centre of Excellence of Complex Systems Research. He supervises theoretical framework and practical application of market design at BBOD.



Alexandros Agapitos, Ph.D

Machine Learning Advisor



Alex is a leading expert in Machine Learning and Artificial Intelligence in Ireland with almost decade of industrial and postdoctoral experience in the areas Evolutionary Computation, and Artificial Intelligence. He will advise on theoretical framework and practical application of artificial intelligence module at BBOD. He holds Ph.D degree in Computer Science from University of Essex.



Junghee Ryu, Ph.D

Quantum cryptography Advisor



Janghee is researcher in Centre for Quantum Technologies at National University of Singapore. He is responsible for designing and application of elliptic curves post-quantum cryptography at BBOD. Janghee holds Ph.D degree in Quantum Information Science from Hanyang University.



Yu-Jui Huang, Ph.D

Financial Mathematics Advisor



Yu is an Assistant Professor at University of Colorado. His research is focused on Mathematical Finance and Applied Probability. He advises on theoretical framework of order flows and market stability at BBOD. He holds Ph.D degree in Applied and Interdisciplinary Mathematics from University of Michigan.



Hubert Olszewski

Co-founder and P&R Manager



Hubert worked in the online services and telecommunications sectors. His main focus is public relations and online-marketing. He has a master's degree in media & communications from Middlesex University and his responsibility is to implement BBOD's marketing and PR. Hubert is a voracious reader with a deep interest in socio-economics.



Yoshiharu Sato

Algorithmic Trading Advisor



Josh is experienced derivatives trader. He holds a MSc in Quantitative Finance from the University of Warsaw. He develops a multivariate backtesting system for statistical arbitrage as well as a limit order book (LOB) simulation system, both written in multi-threaded C++ from scratch. He advises on theoretical framework and practical application of market microstructure at BBOD.