Report Date **2021-01-04**

EN

Singapore
CrossAngle Pte. Ltd.

Profile Report (Public)

DIGIGUARD LTD

Virgin Islands (UK)	1976577
(Country or jurisdiction of incorporation)	(Entity Registration Number)

Trident Trust Company (B.V.I) Limited, Trident Chambers, P.O. Box 146, Road Town, Tortola, British Virgin Islands
(Address, including zip code, including area code, of principal executive offices)

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WHERE YOU CAN FIND MORE INFORMATION

Readers and others should note that the company announces material information to the public using the company website, press releases, public conference calls, and webcasts. They may also use the following social media channels as a means of disclosing information about the company, products, planned financial and other announcements and attendance at upcoming investor and industry conferences, and other matters.

Channels	Address
Company Website	http://quantbook.io/
Main communication channel	telegram
Twitter	https://twitter.com/quantbook1
Company Blog	https://bit.ly/2Dtc9vf
Facebook	
Linkedin	
Github	https://github.com/smtContract/Quantbook
Reddit	
Telegram	https://t.me/quantbook_official_chat
WeChat	
KaKaoTalk	https://open.kakao.com/o/gGnRXIpc
Custom Link	Cobak - https://bit.ly/3h56EAM

The information posted through these social media channels may be deemed valid. Accordingly, the public should monitor these accounts and the blog, in addition to following company press releases, conference calls, and webcasts. This list may be updated from time to time and these channels may be updated without notice.

PART I. Corporate Profile

ITEM 1. Basic Corporate Profile

Official Company Name	DIGIGUARD LTD
Establishment Date	17 Apr 2018
Jurisdiction of Incorporation	Virgin Islands (UK)
Principal Office Location	Trident Trust Company (B.V.I) Limited, Trident Chambers, P.O. Box 146, Road Town, Tortola, British Virgin Islands
Address of Official Company Registration	Trident Trust Company (B.V.I) Limited, Trident Chambers, P.O. Box 146, Road Town, Tortola, British Virgin Islands
Company Name for Website Display	Quantbook
Description of Company	Quantbook, a community based peer-to-peer investment data marketplace, is our answer to this problem. By leveraging blockchain technology and token based incentive mechanisms, we strive to create a marketplace for investment data analysis that could even out the playing field. Participants in code optimization, discussion, ratings and funding earn rewards while vitalizing the community to yield the network effect with the byproducts of quantitative algorithm strategies which quants could leverage to enhance their algorithms.
Company Website	http://quantbook.io/
Whitepaper Link	https://drive.google.com/file/d/1nBZz3rft0yUyroVZ2hlfOTvPUfeBeYan/view?usp=sharing
Mission and Vision	It is our mission to turn alpha discovery and asset trading into a disciplined and efficient process leveraging collective intelligence. We strive to make the process of Alpha Discovery easy and inclusive for anyone to enjoy the process of sharing, participating and funding quant algorithms. By leveraging blockchain, the investment data marketplace we build is decentralized connecting the buyer and the seller directly with smart contracts and oracle automating the bulk of the process.

ITEM 2. Team

2.1 Executives & Founders

The following sets forth certain information regarding the company's executive officers and founders, their details and positions as of 2021-01-04

Ji Min Kim

Position Title	Founder/CEO
Short Bio	Huobi Crypto Exchange, Business Strategy Manager & Marketing PM HamShout Integrated Marketing Consulting Digital, PO/PM Coupang Social Commerce, Early Stage member
Experience	Huobi Crypto Exchange / Business Strategy Manager & Marketing PM HamShout / PO/PM Early Stage member / Coupang Social Commerce
Education	
Company e-mail	ceo@quantbook.io
Social	

2.2 Engineering Team Leaders

The following sets forth certain information regarding the company's development and engineering leaders, their details and positions as of 2021-01-04

Ki Beom Kim

Position Title	Chief Technology Officer
Short Bio	Pylon Investment Group, CEO CMT Asset Management, MD Head of Korea Trading Fortress Investment Group, VP
Experience	Pylon Investment Group / CEO CMT Asset Management / MD Head of Korea Trading Fortress Investment Group / VP
Education	University of Waterloo / Systems Design Engineering
Social	

2.3 Advisory

The following sets forth certain information regarding the company's advisories, their details and positions as of 2021-01-04

John Ahn

Company	Belvedere Trading Chicago

Role of Advisor	<Quant Strategy Group Advisor> University of Chicago, Masters of Computer Science

Amit Gupta

Company	PsyQuant Research
Role of Advisor	<Quant Strategy Group Advisor> AlphaGrep Securities, Head of Options Trading

Santosh Reddy

Company	Tower Research, Quantitative Trader
Role of Advisor	<Quant Strategy Group> CMT Asset Management, Quantitative Trader Allston Trading, Quantitative Trader

Young Joon Won, PhD

Company	Professor at Hanyang University
Role of Advisor	<Quant Scientist> College of Engineering

2.4 Organization Structure

The following sets forth certain information regarding the structure of the company as of 2021-01-04

Name of Department/Group/Office/etc.	Number of Full-Time Staff	Number of Part-Time Staff	Head of Department (Maybe left blank)
Singapore Operating Entity	6	6	
Total	6	6	

PART II. Business Information

ITEM 1. Industry Classification

	Not Applicable
Sector	Consumer Services
Industry	Other Consumer services
Sub-industry	Other Misc. Consumer Services
Categories	1. Big Data, Data collection, Data Marketplace 2. Investment 3. Platform

ITEM 2. Industry Description

2.1 Industry Overview

It is common to see top performing traders leveraging quantitative analysis and automated/programmed trading to yield high returns. Tower Research Capital, one of the more known high-frequency quant trading firms, houses top talents with physics, electrical engineering, math and computer science backgrounds that are capable of handling machine learning, parallel processing and signal processing with multiple supercomputers in-house. According to Glassdoor, their average salary is hundred and fifty percent (150%) higher than the industry competitors at one hundred fifty thousand US dollars with high correlation to the returns generated by the new hires. This type of a market participant could be viewed as an aggressor in the table below.

Usage of algorithms in trading has first been noticed in the 1970 after the introduction of Electronic Communication's Network and the founding of NASDAQ. In 1976, NYSE introduced its Designated Order Turnaround (DOT) system, that allowed brokers to route orders to the floor. Since then, exchanges have systemized electronic trading with up to 60% of tradings to be executed electronically by 2010. Foreign exchange market developed on the same foundational infrastructure and algorithm trading has entered in as a mainstream with the vitalization of software based system trading. Foreign exchange market is considered the most liquid market that runs 24 hours and 5 days a week [5]. More than 85% of the global forex market transactions happens on only 7 currency pairs known as the majors – EUR/USD, USD/JPY, GBP/USD, AUD/USD, NZD/USD, USD/CAD and USD/CHF with daily trading volume of 5.3 Trillion USD between banks, enterprises, retail investors, pension funds and other major financial institutions. Automated hedging, statistical analysis, quantitative algorithmic execution, high-frequency trading is few of the systemic trading techniques that evolved over years. Out of these techniques, Quantbook focuses on the most advanced form of these techniques; Quant Algorithm.

2.2 Recent Trends

(1) Investment Data Industry

Quantitative algorithm not only predicts future price but also generates statistically favorable yields by mitigating human errors swayed by emotional and irrational decision makings. These quant trading systems are widely deployed by the institutional investors. In the equities market alone, there are many different types of participants deploying different trading strategies including but not limited to the trend following, arbitrage, hedge and algorithmic trading like the following table.

In terms of the digital asset industry, three (3) biggest institutions of North America such as Genesis, Coinbase and Bitgo have jumped into the prime brokerage business to prepare a safe vehicle for institutional investors to trade digital assets . With the regulatory frameworks being introduced in multiple jurisdictions, projected growth of the digital asset industry is reasonably exponential with institutions such as Fidelity, Blackrock, JP Morgan and Goldman Sachs all participating in the digital asset industry. JP Morgan Chase & Co has announced a plan to invest 11 billion USD into the quant based tech initiatives.

With the foreseeable market expansion with the influx of the capital from the institutional investors, Quantbook strives to position itself as the most advanced and comprehensive community with the tools for structuring quantitative algorithmic trading with the collective intelligence as a lever.

2.3 Target Market Size

Foreign exchange market is considered the most liquid market that runs 24 hours and 5 days a week. More than 85% of the global forex market transactions happens on only 7 currency pairs known as the majors – EUR/USD, USD/JPY, GBP/USD, AUD/USD, NZD/USD, USD/CAD and USD/CHF with daily trading volume of 5.3 Trillion USD between banks, enterprises, retail investors, pension funds and other major financial institutions. Automated hedging, statistical analysis, quantitative algorithmic execution, high-frequency trading is few of the systemic trading techniques that evolved over years. Out of these techniques, Quantbook focuses on the most advanced form of these techniques; Quant Algorithm.

2.4 Target Customers

Investment institutions, Hedge Fund, Quant Trader, Api Trader, General Trader

2.5 Competitors

2.5.1 Existing Industry Competitors

The following sets forth certain information regarding the company's conventional competitors already established within the industry as of 2021-01-04:

Quantopian

Description	Basic education on quantitative finance Community for development Quant finance tool

2.5.2 Token Project Competitors

The following sets forth certain information regarding the company's competitors that have implemented Token economics as of 2021-01-04:

Numerai

Token Symbol	NMR
Network Type	ETH
Description	Hedge fund quality data Machine learning to predict stock market Tournaments on prediction results

ITEM 3. Project's Business Model

3.1 Business Description

3.1.1 Revenue Model

It is our mission to turn alpha discovery and asset trading into a disciplined and efficient process leveraging collective intelligence. We strive to make the process of Alpha Discovery easy and inclusive for anyone to enjoy the process of sharing, participating and funding quant algorithms. With QTBK as a medium of reward to expand and vitalize the Quantbook ecosystem, following is the Business Model of the Quantbook.

1. Freemium model on the high performing and validated algorithms
2. Advertising Revenue
3. Tournament Operation Fee

3.1.2 Platform or Application Overview

General platform description

1. Freemium model on the high performing and validated algorithms
Users gain access to top ten (10) performing algorithms with QTBK as a medium in regards to the source codes and access to the copy trading. As a result, solid performance of each algorithm attracts more users to generate higher buy pressures. Quantbook foundation functions as an arbiter to control the quality of algorithms with indicators such as performance (ex. yield) and community engagement (ex. rating) to monitor the health of top ten algorithms on the leaderboard. Revenues generated from the said algorithms are also disclosed throughout the Quantbook community as an indicator and the owner of said algorithm is granted with profit share in terms of the influx of the QTBK tokens.

2. Advertising Revenue
Once the community grows to a critical mass that it is efficient to advertise contents provided by the relevant advertisers, additional revenues can be generated from advertising. For example, a subscription button on the copy trading feature can be inserted with an exchange's link while exposing said exchange as a digital banner.

3. Tournament Operation Fee
The Quantbook user can leverage the collective intelligence of the community to overcome technical or strategic issues over their algorithms. Specifically, users can stake QTBK as a prize to host a contest. Depending on the difficulty level of the issue, foundation can suggest a right amount of prize to stake. Once said issue is successfully resolved, a portion of the prize is distributed to the Quantbook as an operation fee.

Functions of the solution

By providing a platform where validation, enhancement and discussion could simultaneously take place over multiple trading algorithms generated by the users, Quantbook strives to create a community based investment data marketplace that could optimize algorithms leveraging collective intelligence with the following features;

User pain points

No Input

3.1.3 Product/Service Line Description

· Development Reward

Development reward is reserved for Quant Scientists that supply Algorithms developed with the data from the Quantbook In-House Data Center to address issues staked by the strategists. With the consent from the Quant Scientist, source code may be disclosed and can be applied to multiple strategies or scientists. In this case, the reward is disbursed for both cases. This process is automated with the oracle, smart contract and blockchain to minimize the workload. Out of the three, development reward takes up the biggest part that lasts until the feasibility of a particular Algorithm is proven not to be valid any longer. (i) Supplied algorithms on the platform can be bought by the consumers and further upgraded throughout the discussions among the professionals residing on the ecosystem. (ii) Algorithms supplied for the purpose of addressing issues pinned out via contests also earns responsible Quant Scientist QTBK.

· Quality Control Reward

Similar to open source projects where participants voluntarily report bugs or any other improvement necessary, participants can contribute to the quality control of the source codes and get rewarded.

Quality control reward allows collective intelligence to finesse the algorithms supplied by the Quant Scientists. Similar to that of the contest based development reward, a user can raise flags when a flaw is found which in turn is rewarded with QTBK if the claim is legit. Community can also stake their QTBK token to the issues they want to be resolved in order to incentivize quant scientists and strategists to prioritize certain issues.

· **Participation Reward**

Community participants can rate, validate and discuss over the algorithms supplied by the Quant Scientists to earn rewards (QTBK). Participation reward differs from the development reward in a way that this reward vitalizes both the supply and the buyer side of the investment data marketplace. Participation reward is relatively easier to earn. This low hurdle allows algorithms from the supply side to be further challenged and advanced via active participation of the community members. It is important to note that the frequency of participation does NOT necessarily determine the size of the reward but by the revenue generated by the algorithm itself.

3.1.4 Competitive Advantage

1. Free tool to simulate high quality market data
2. Efficient access to market via a trusted marketplace
3. Robust open sourced back tester validate algorithms
4. Community to share knowledge, idea, code solution and data sources in regards to the investment

3.1.5 Intellectual Property

No Input

3.2 Partnerships

▸ LYZE

Counterparty Website	lyze.ai
Counterparty Description	LYZE is a utility token that compensates users for their contributions to the LYZE platform by providing analytical information based on LYZE's cleansed data. LYZE aims to provide its holders with fact-based investment analysis information at a reasonable cost with the use of LYZE token. The LYZE team has been publishing institutional-grade cryptocurrency market reports based on LYZE's on-chain data indicators along with quantitative market analysis methods.
Applicable Dates	
Does this partnership has an expiration date?	No
Revenue Generation	Yes
Expected Revenue (USD)	100,000
Partnership Description	As a index engineering partnership, the LYZE will provide the institutional level of cryptocurrency market data and insight for the Quantbook strategist.
Expected Benefits to Project Team	The LYZE team will provide the on-chain data and market index data to the Quantbook platform.
Expected Benefits to Counterparty	

3.3 Project Progress

History

No Input

Project Status

Pilot Stage

Development of the platform and business operations have been or will be funded through the following sources

Revenue from providing support services for the network or platform (consulting, developer support services, and developer tools)

Plan or Strategy to expand platform or token

- Launch Trading Algorithm Contest
- Development of token matrix for the B2C service platform
- Partnership development with Global Trading Communities
- Development of trading education certificate program based on our historical database
- Expand our trading community into the another investment market(e.g., stock, futures)

3.4 Milestones

Title	Target Date	Status	Description
2020 3Q	2020-09-30		Development of MVP Partnership development with data & Index providers
2020 2Q	2020-06-30	Completed	Architecture of project concept
2020 1Q	2020-03-31	Completed	Team Setup Initiate the Quantbook Project

3.5 Use Case

No Input

3.6 Legal Concerns

No data available

PART III. Financial Information

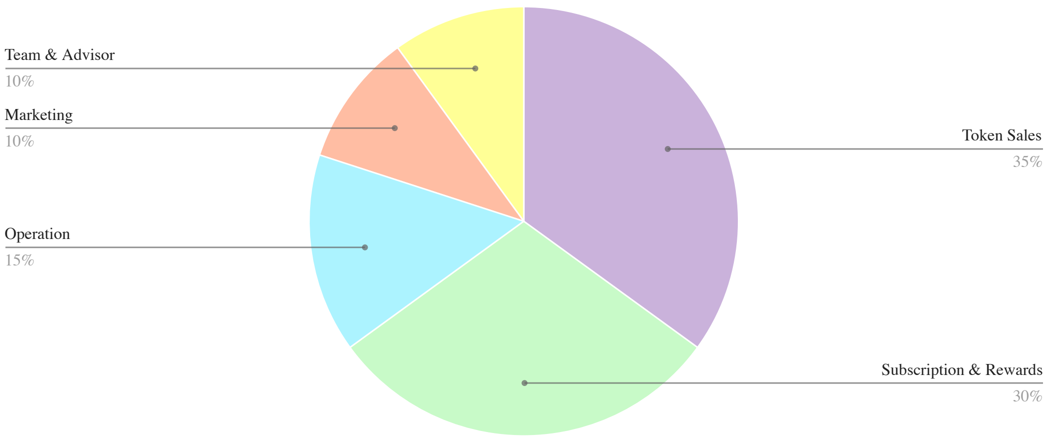
This section is only accessible by our Partners. Please contact us at direct@crossangle.io to inquire about access.

PART IV. Token Information

ITEM 1. Token Profile

Token Name	Quantbook
Symbol	QTBK
Token Economy	QTBK token (QTBK) QTBK serves as a medium to pay, fund and rate throughout the community. QTBK can be directly bought via open markets or earned through 3 main tasks in the community. With the QTBK obtained, retail or institutional investors can purchase or fund algorithms. Contribution and rewards are two of the most important aspects of the Quantbook community. Leveraging QTBK as a reward, we strive to encourage active ratings between the providers and consumers of the investment data marketplace.
Token Usage	There are three (3) types of rewards set out for the Quantbook community. 1. Development Reward: Development reward is reserved for Quant Scientists that supply Algorithms developed with the data from the Quantbook In-House Data Center to address issues staked by the strategists. With the consent from the Quant Scientist, source code may be disclosed and can be applied to multiple strategies or scientists. In this case, the reward is disbursed for both cases. This process is automated with the oracle, smart contract and blockchain to minimize the workload. Out of the three, development reward takes up the biggest part that lasts until the feasibility of a particular Algorithm is proven not to be valid any longer. (i) Supplied algorithms on the platform can be bought by the consumers and further upgraded throughout the discussions among the professionals residing on the ecosystem. (ii) Algorithms supplied for the purpose of addressing issues pinned out via contests also earns responsible Quant Scientist QTBK. 2. Participation Reward: Community participants can rate, validate and discuss over the algorithms supplied by the Quant Scientists to earn rewards (QTBK). Participation reward differs from the development reward in a way that this reward vitalizes both the supply and the buyer side of the investment data marketplace. Participation reward is relatively easier to earn. This low hurdle allows algorithms from the supply side to be further challenged and advanced via active participation of the community members. It is important to note that the frequency of participation does NOT necessarily determine the size of the reward but by the revenue generated by the algorithm itself. 3. Quality Control Reward: Similar to open source projects where participants voluntarily report bugs or any other improvement necessary, participants can contribute to the quality control of the source codes and get rewarded. Quality control reward allows collective intelligence to finesse the algorithms supplied by the Quant Scientists. Similar to that of the contest based development reward, a user can raise flags when a flaw is found which in turn is rewarded with QTBK if the claim is legit. Community can also stake their QTBK token to the issues they want to be resolved in order to incentivize quant scientists and strategists to prioritize certain issues.
Short Token Description	Users on the platform can create their strategy, run the simulation and disclose the back-testing results for the content to go live on the investment data marketplace where the positive feedback earns strategy creators to earn QTBK rewards.
Token Contract Address	https://etherscan.io/address/0x9403d608515f7346EC44B998984d7741Fd0D9bd4
Base Platform	ERC 20
Mainnet Explorer Url	None
Network	No Input
Project Type	Platform
Tokens were initially available and currently obtainable in the following method(s)	1. Payouts to compensate employees, reward users, fund projects, and other direct use from reserve funds 2. Exchange offering 3. Private offering
Additional Token issuance or minting conditions, including implemented natural inflation.	None
Trading practices after the Token Sale by Company	1. Company has not purchased or sold Tokens after the Token Sale 2. Company founders and promoters have not purchased or sold Tokens after the Token Sale
Method of allocating tokens during Token Sale	Smart contract time-locked tokens are allocated to purchasers' private Erc20 wallets

Token allocation percentage based on Total Supply immediately after Token Generation Event



ITEM 2. Token Sales

2.1 Token Sales details

No Input

Percentage of individual investors at initial offering

Terms and conditions for top backers

No Input

2.2 Initial Offering Rounds

No data available

*: Proposed calculation, but not necessarily mandatory, is based on USD equivalent of cryptocurrency received between the start and end date of the Token sale duration calculated by ((High+Low)/2) of market price

ITEM 3. Token Supply History

The following is a manual record Token supply history as of 2021-01-04. Corresponding transactions hashes have not been provided within this report.

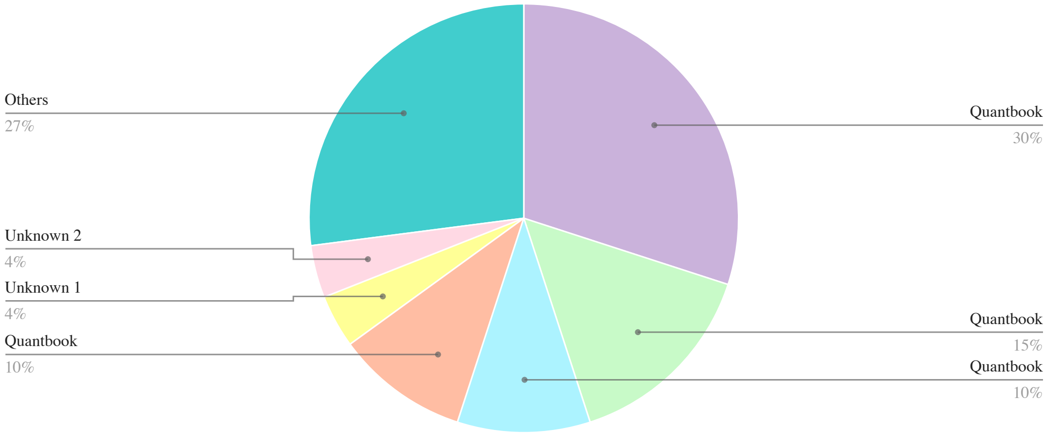
Purpose	Date	Amount	Value (USD)	Post Total Supply	Post Circulating Supply
Minting	2020-06-21	1,000,000,000	N/A	1,000,000,000	N/A

ITEM 4. Listed Exchanges

Exchange	Pair	Price	Volume	Percentage
No data available				

ITEM 5. Token Ownership

The following is an automatic query result of wallet addresses based on balance holdings with meta data application as of 2021-01-04.

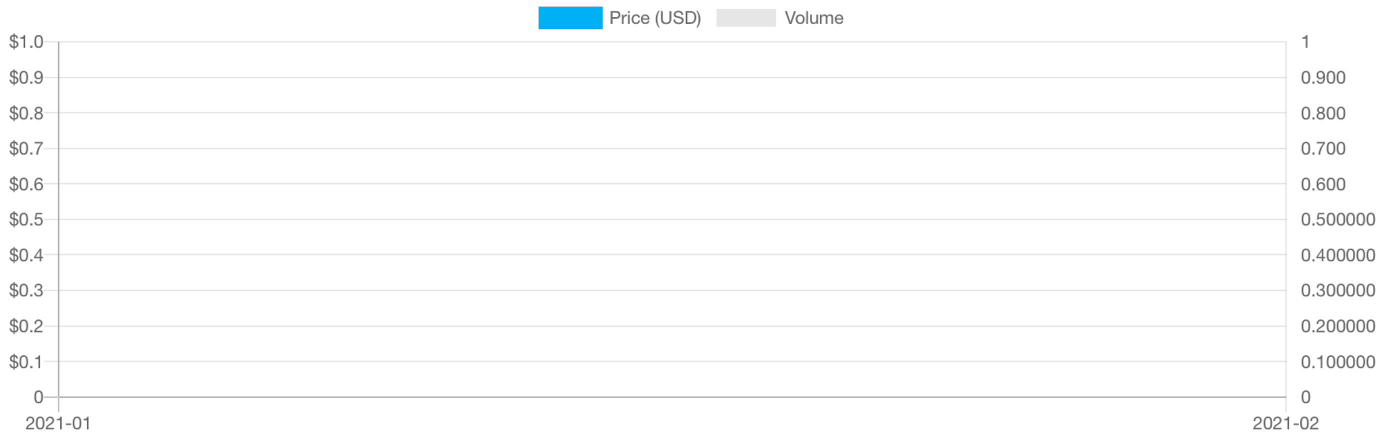


Rank	Address	Balance	Percentage
1	0xB4fd467F7065115e23c2fa35587790AF3300Ca9B (Quantbook)	300,000,000	30%
2	0x89A3218EcA1C37a5D2defeA893A475bB90285Ff1 (Quantbook)	150,000,000	15%
3	0x7d0d598f9643bF3E705aE648427C272eC59df0AF (Quantbook)	100,000,000	10%
4	0xd68aa8278aCd215E7C49D7b08d15f7ED83D1A21b (Quantbook)	100,000,000	10%
5	0x401fe7919777D142e45D9304594D953E6dB40c01 (Unknown 1)	40,000,000	4%
6	0x8E734c34404CF91e0A70df6262fcD75D35499fba (Unknown 2)	39,533,333	3.95%
7	0x44636bC6A824BDa4f274af4CaC21356566D4E29f (Unknown 3)	39,333,333	3.93%
8	0xFd3426CEDD1E478256F36CFa0476E4D024731585 (Unknown 4)	29,000,000	2.90%
9	0x116761bA08Dc0f99af17691859aB8eC73b7C1b5E (Unknown 5)	29,000,000	2.90%
10	0x1b7D0214726B5EC41F73c668e5FC7a95CE196A84 (Unknown 6)	25,000,000	2.50%
11	0x7B77e11F8c2E801D3D463a07BD58f1B970CeF183 (Unknown 7)	25,000,000	2.50%
12	0xfC60D1fD522B7F79926a2E24d5A3775a26B20dF0 (Unknown 8)	19,500,000	1.95%
13	0x2417BFE493aF3cad6a87A2146B626c86bE81FE07 (Unknown 9)	12,000,000	1.20%
14	0x7C7DA6f16C97b0df67ED5AeE3e82CDc1f031a3D7 (Unknown 10)	10,000,000	1%
15	0x2a47Cd994Ee7018908c7dF8985EC5914589ca909 (Unknown 11)	9,000,000	0.90%
16	0x6aB3f2069ABb0655a352Bd948F86D72e837980a8 (Unknown 12)	6,666,667	0.67%
17	0xE10579B79deF612F0D83B687ce6D98a4afCB2d35 (Unknown 13)	6,500,000	0.65%
18	0xB7A3403ddb44b350FD12C9436fe4940936492941 (Unknown 14)	6,350,000	0.64%
19	0xDDA211ad3D36A8007B746F14A3C22607B78daaeB (Unknown 15)	6,286,420	0.63%
20	0x586556f5803805e635db30AfBD25333be110796F (Unknown 16)	5,600,000	0.56%

ITEM 6. Token Price

The following are market data present as of 2021-01-04.

Price Performance



▸ **USD**

Current Price :

Change (7d/24h/1h) : % | % | %

Initial Offering Price : $-

Return since Initial Offering :

▸ **ETH**

Current Price :

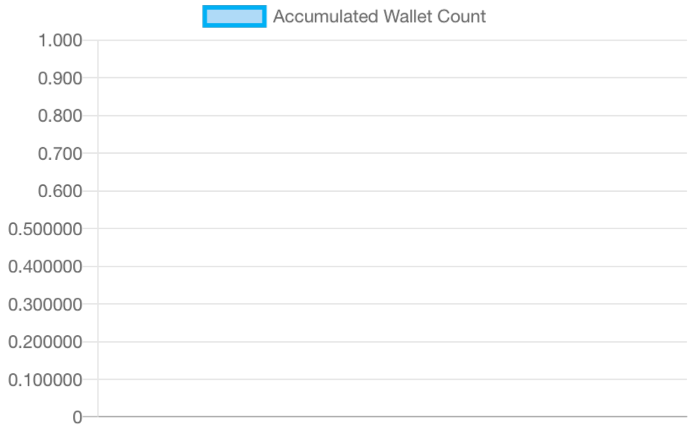
Change (7d/24h/1h) : % | % | %

Initial Offering Price : - ETH

Return since Initial Offering :

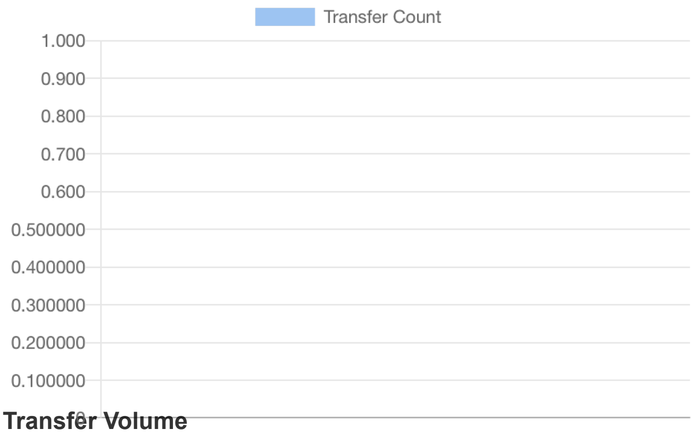
ITEM 7. On-chain Performance

Accumulated Wallet Count



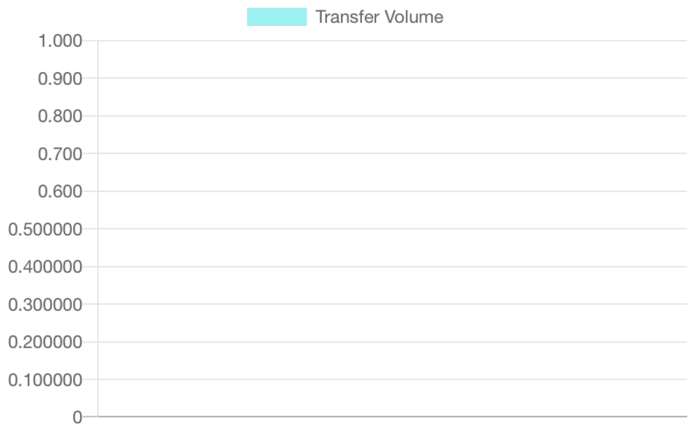
Date	Accumulated Wallet Count	New Wallet Count
	No data available	

Transfer Count



Date	Token Transfer Count
	No data available

Transfer Volume



Date	Token Transfer Volume
	No data available

PART V. Compliance

This section is only accessible by our Partners. Please contact us at direct@crossangle.io to inquire about access.