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Leading the Innovation of blockchain Autopilot

VECTORAIC

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# Abstract

Vectoraic is the first traveling platform based on both automatic driving and Blockchain technology. Its core technology is the automatic driving road prediction system based on the air force UAV strike reconnaissance Blockchain technology development, which aims to provide automatic driving scenarios service.

At present, the maximum detection distance of autopilot is only 300 meters, and this detection range is far from enough to provide enough brake distance for the car, but the Vectoraic's breakthrough V2X super horizon pre judgment software system can exclude 83% collision risk to 2 kilometers away. In addition, Vectoraic also owns the autopilot hardware system for Israeli military technology sinks.

Built on Graphene framework, Vectoraic will introduce in BaaS open platform step by step so as to offer ecological service for unmanned travel.

The Vectoraic project team has rich practical experience and broad global vision in the field of pilotless, Blockchain, artificial intelligence and traffic management. With the support of a strong technical consultant team, it can quickly land the technology and complete the global business development.

We are convinced that with the upgrading of AI automated driving and the access of block chain technology, Vectoraic will lead to the transformation of the global driverless market.

# CONTENTS

<b>Abstract</b>	2	is PCT/IL2018/050085	17
<b>1 Project Background</b>	<b>4</b>	3.1 Vectoraic Software	17
1.1 The Scale of the Global Driverless Industry	4	3.2 Vectoraic Hardware	19
1.2 The Existing Bottleneck of Unmanned Technology	5	3.3 Vectoraic Technology Development Roadmap	22
1.3 The Advantage of Blockchain Linking to Automatic Driving	6	<b>4 Team</b>	<b>23</b>
1.4 The Vision of Vectoraic Blockchain	7	4.1 The Vectoraic Foundation Ltd.	23
<b>2 The Ecosystem of Vectoraic Blockchain</b>	<b>8</b>	4.2 Team Members	25
2.1 The Overall Technical Architecture of Vectoraic Blockchain	8	4.3 The Technical Advisory Team	29
2.2 Public Chain	10	4.4 The Advisory Committee	29
2.3 Private Chain	12	<b>5 The Release of Token</b>	<b>32</b>
2.4 Vectoraic Blockchain Service Scenario	12	5.1 Release plan	32
2.5 Vectoraic Blockchain Roadmap	16	5.2 Token distribution ratio	32
<b>3 Vectoraic OS: Core Technology</b>	<b>17</b>	5.3 Use of funds	33
Vectoraic is currently the most likely project to achieve automatic driving technology Level 4. Its core technology has been patented in the US, and the software patent number		<b>6 Risk warning</b>	<b>35</b>
		6.1 Regulatory uncertainty	35
		6.2 Malware Attacks	35
		6.3 Market Competition	36
		6.4 Development Problems	36
		6.5 Other risks	36
		<b>Disclaimer</b>	<b>37</b>

# 1/ Project Background

## 1.1/ The Scale of the Global Driverless Industry

Strategy Analytics's latest research shows that in 2050, the size of unmanned vehicle related economic activities would reach \$7 trillion, including the size of the taxi service provided by unmanned vehicles of about \$4 trillion, and the express and commercial logistics services provided by unmanned vehicles would reach about \$3 trillion. The most direct performance of "passenger transport economy" is "Transportation as a Service", using the rental, sharing and automatic driving to achieve profit and change the entire transportation ecology. Strategy Analytics's latest research shows that in 2050, the size of unmanned vehicle related economic activities would reach \$7 trillion, including the size of the taxi service provided by unmanned vehicles of about \$4 trillion, and the express and commercial logistics services provided by unmanned vehicles would reach about \$3 trillion. The most direct performance of "passenger transport economy" is "Transportation as a Service", using the rental, sharing and automatic driving to achieve profit and change the entire transportation ecology.

## 1.2/ The Existing Bottleneck of Unmanned Technology

According to today's automatic driving classification standard, the highest level of automatic driving ability can reach only third level worldwide. Although all parties have realized the prospect of automatic driving of artificial intelligence, the autopilot technologies of giants, such as Baidu, Google, Uber, Tesla, have not made much progress because of the immature core technology. Casualties caused by accidents have hindered the process of large-scale production and commercialization of artificial intelligent autopilot technology. From the present situation, the main bottlenecks of the pilotless technology are as follows:

## **1.2.1/ Limitation of Detection Range**

At present, the most advanced automatic driving sensing technology can only detect the visible objects within a certain range (300 meters), and many objects can not be accurately detected. However, the vehicle moves from high speed to complete stop needs physical brake distance. Based on the existing detectors, even if the risk is detected, the brake distance is far from enough, which is the root cause of the frequent accidents of the current pilotless.

## **1.2.2/ Perceived Technical Constraints**

At present, there are two kinds of sensors used in automatic driving development, namely, camera and radar. Among them, the performance of laser radar in extreme weather, such as rain and snow fog is poor, the millimeter wave radar can not accurately model the surrounding obstacles and can not perceive pedestrians. The anti-interference ability of the ultrasonic radar is poor, the distance is short, and almost all have defects. Therefore, some companies think of the combination of different sensors, such as "camera + millimeter wave radar + ultrasonic sensor" combination and so on, but since the cost is extremely high, it is not practical to use in the massive production of vehicle.

## **1.2.3/ Big data and Algorithm Problems**

Big data is the bottom feed of artificial intelligence technology. If the car should reach the same level of human driving, it is necessary to extract massive data from the driving scene and classify these data according to different scenes for artificial intelligence to learn. As a result, due to the ever-changing driving conditions in the real world, the efficiency of data collection is very low, and it is difficult to cover all situations. In addition, the later classification and calibration, data quality and algorithm are difficult to achieve the high precision requirement of artificial intelligence deep learning.

### 1.3/ The Advantage of Blockchain Linking to Automatic Driving

Blockchain used in automatic driving systems has the following advantages:

- **Prevent hacker invasion.**

The precondition of the application of automatic technology is the full coverage and access of the Internet, but once the Internet is linked, a hacker will take advantage of the loopholes in the system to hijack a car remotely with a risk of damaging action. How to prevent hackers from invading and protecting data security is an urgent problem to be solved in automatic systems. It is the best choice to protect data security and prevent hackers from invasion through the data encryption of Blockchain.

- **Eliminate the credit risk of centralization nodes.**

The centralization of nodes means that both automobile manufacturers and travel service providers are likely to undertake great credit risks in data storage, data use and data security, but the Blockchain distributed

consensus algorithm can greatly eliminate the risks brought by the centralization nodes.

- **Improve the efficiency of the system.**

With blockchain technology, applications and vehicles can realize offline connection, and data need not go through third party servers. The Blockchain makes the pilotless driver no longer need to rely on a central system to allocate and store all the driving information, and save the large service cost of the central organization.

- **More fair and transparent.**

Code is Law. The decentralized consensus algorithm based on Blockchain enables Vectoraic to provide users with a technology empowerment trust system. The whole network eliminates the risk of isolated data islands and data monopoly through distributed nodes.

- **Solve the problem of liability confirm.**

By accessing Blockchain technology, the distributed accounting system

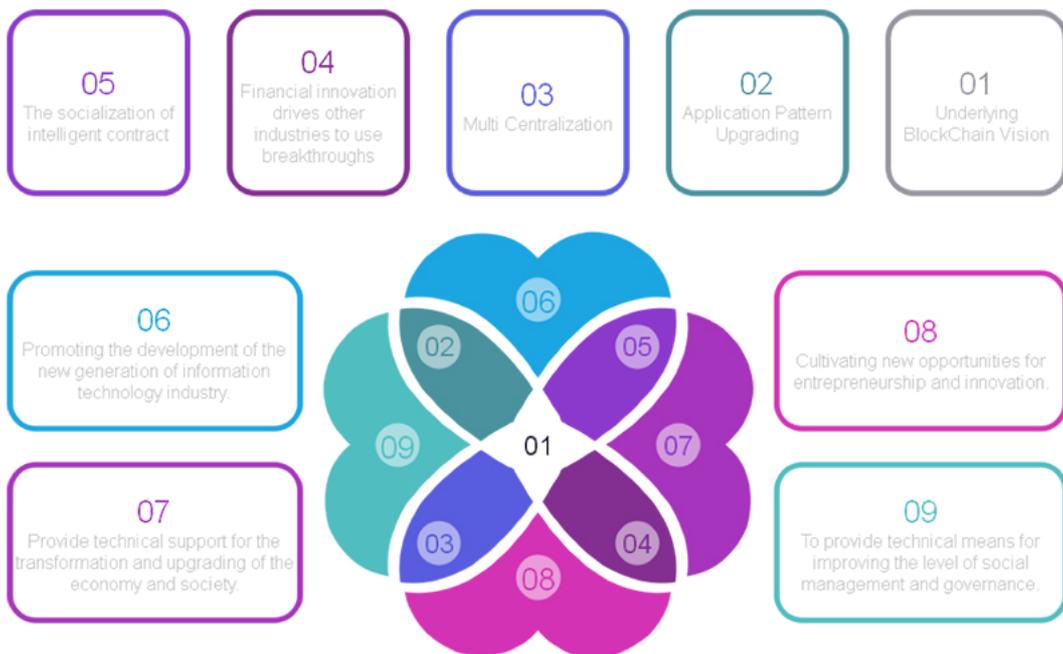
can record all the data of vehicle manufacturers, software providers and service centers, and ensure the accident responsibility by the fact that the interactive data of the stored accidents have not been tampered with. through distributed nodes.

## 1.4/ The Vision of Vectoraic Blockchain

Vectoraic is a transparent, efficient, safe and open unmanned travel platform with advanced unmanned driving technology based on the framework of Blockchain graphene base technology, which improves the overall performance of unmanned driving, constructs the infrastructure of next generation of intelligent transportation, and leads the reform of the whole pilotless field.



1-1 Vectoraic in Blockchain



1-2 Blockchain Vision

# 2/ The Ecosystem of Vectoraic Blockchain

The construction of Vectoraic block chain ecosystem is based on the big data collected by Vectoraic OS<sup>1</sup>. The public chain is the underlying building for storing data, and data is encrypted by algorithm. The private chain is extended on the public chain to decrypt data. At the same time, Vectoraic Exchange and Vectoraic Sharing based on the public chain provide a good platform for car trading and sharing, and BaaS based on private chain allows Vectoraic partners to provide more accurate services to users through deciphering data. In addition, BaaS also gives users a good driving record award through VT, and uses token incentive mechanism to revitalize the entire Vectoraic ecosystem.

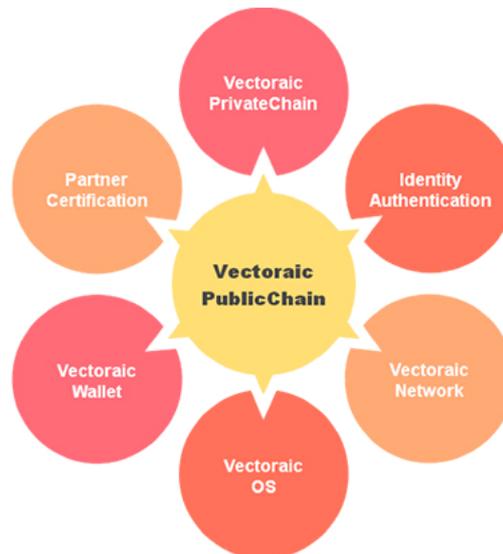
## 2.1/ The Overall Technical Architecture of Vectoraic Blockchain

Vectoraic will create a travel platform based on automatic driving and Blockchain technology to provide technical and data support for enterprises. Traffic travel is a new demand in personal life. It not only produces huge benefits for the society, but also greatly improves the quality of human life. The global travel market is extremely large. Vectoraic will try to combine unmanned technology with the advantages of Blockchain to optimize and enhance the unmanned security and other functions, so that unmanned travel can be more quickly popularized, thereby subverting the existing travel field.

Vectoraic can generate behaviors by sharing automatic driving cars, and Vectoraic provides technical and data support for companies. To this end, Vectoraic selects graphene as the underlying technology architecture to builds the

<sup>1</sup> Vectoraic OS refers specifically to the core technology of Vectoraic artificial intelligence, including hardware and software.

Vectoraic public chain, and introduces a series of key business components such as Vectoraic private chain, partner authentication, user authentication, Vectoraic wallet, Vectoraic Network<sup>2</sup>, Vectoraic OS, to ensure that the entire platform business formed a closed loop.

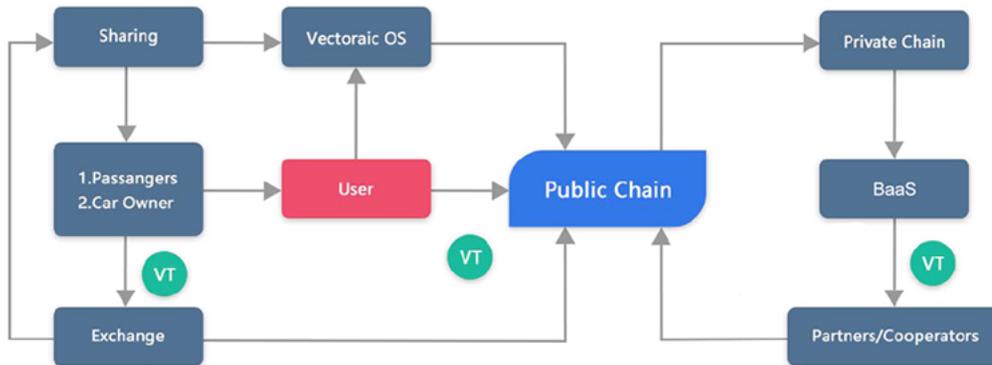


2-1 Vectoraic Public Chain

Vectoraic adopts the underlying structure of graphene, and records data collected by Vectoraic OS through public chain. Users (passengers) can use a shared unmanned travel platform (Vectoraic Sharing) to load Vectoraic OS unmanned vehicles by VT (VT is Vectoraic Token for short, VT is a digital currency in Vectoraic circulation). Meanwhile, Vectoraic OS acquires users' unmanned vehicle and other behavioral data. Users (drivers) can buy and sell unmanned vehicles carrying Vectoraic OS on the unmanned vehicle trading platform through the VT, enjoy full transparency through the Vectoraic sharing car, and can also get the full performance report of the car free of charge through the unmanned open platform (BaaS) and better understand The real situation of the car. Private Chain has the function of encrypting data on the Public Chain, the Vectoraic team will build BaaS on the application layer of the private chain (Private Chain). The

<sup>2</sup> Vectoraic Network refers to network ecosystem including public chain, private chain and Vectoraic OS

cooperators (such as the insurance companies) obtain specific private key to specific data on public chain from BaaS by VT . Through these data, cooperators can achieve more precise business development.



2-2 The Technical Structure of Vectoraic Blockchain

## 2.2/ Public Chain

Public Chain: secure and decentralized Blockchain. Any individual or group in the world can send transactions or upload data through the Vectoraic OS, and the transaction or data can obtain an effective confirmation of the block chain, and anyone can participate in the consensus process.

### 2.2.1/ The Composition of the Public Chain architecture

#### 1. Dynamic Networking

There are no central nodes in the system, and participants are interconnected in a dynamic and point to point manner.

#### 2. Chain Structure

The blocks that make up the database form a chain structure by saving the hash value (Hash) of the previous block, and modifying the data of a block at the same time needs to modify the data of all the subsequent blocks to ensure that the data is not tampered with.

### 3. Consensus Mechanism

Through the specific cryptography algorithm, the nodes participating in the system can reach consensus on the generation of new blocks, and Vectoriac adopts the consensus mechanism of the DPoS (Delegated Proof of Stake - rights authorization proof).

#### **2.2.2/ Public Chain Six Layer Structure:**

1. The data layer is the bottom layer of Public Chain, storing transaction data, encrypting data collected by Vectoraic OS and other interactive data. The data layer encapsulates the chain structure of the underlying data block, the associated unsymmetrical public key data encryption technology and the timestamp technology, which can be added and unremovable distributed database systems.

2. Second, the network layer is Public Chain data transmission and network interaction, mainly to complete data transmission on the network. The network layer is built on the basis of IP communication protocol and P2P network, including distributed networking mechanism, data dissemination mechanism and data validation mechanism.

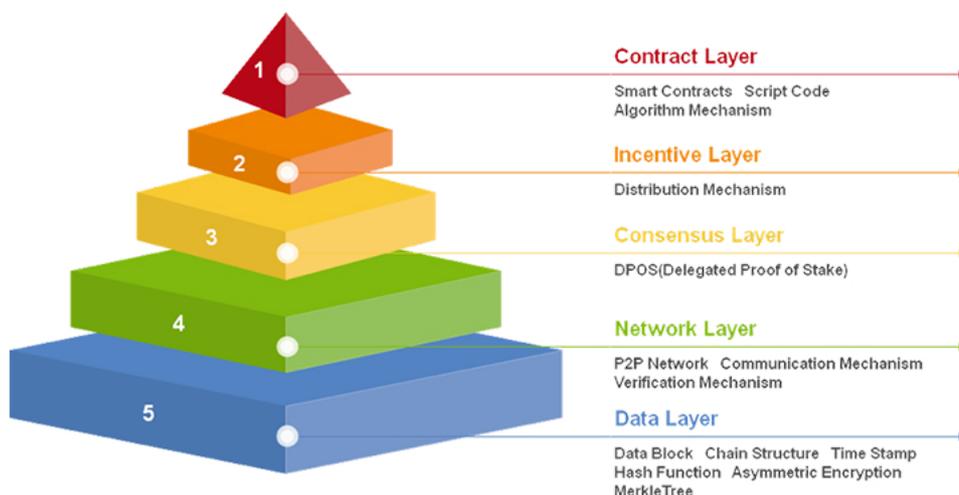
3. The consensus layer is the Public Chain package data consensus mechanism, the consensus layer is only a consensus mechanism of DPoS, and all the token holders can choose the block generation by a continuous voting system.

4. Fourth, the incentive layer is the Public Chain attracting the node providers and mobilizing the third party to participate in Vectoraic ecological construction and project cooperation.

5. The contract layer is the Public Chain mainly used to call and use the data collected by the encrypted Vectoraic OS, and encapsulates all kinds of scripts, algorithms and intelligent contracts. It is the basis of the programmable features.

6. The application layer encapsulates various application scenarios and cases of Vectoraic, providing a programmable environment and transforming business rules into an automatic execution contract through an intelligent contract.

## Vectoraic Public Chain



2-3 Vectoraic Public Chain Model Architecture

### 2.3/ Private Chain

Limiting the block chain within a certain range, the external nodes can not join the Blockchain network, and the write rights of each node of the private chain are controlled within the internal control, while the reading rights can be selectively opened to the outside. Vectoraic partners or third parties use BaaS to obtain specific private key from Private Chain for decrypting specific data on Public Chain. At the same time, Private Chain is also a side chain of Vectoraic, with an independent mechanism, and the Vectoraic team will create a completely new and complete Vectoraic automatic ecological chain through BaaS.

### 2.4/ Vectoraic Blockchain Service Scenario

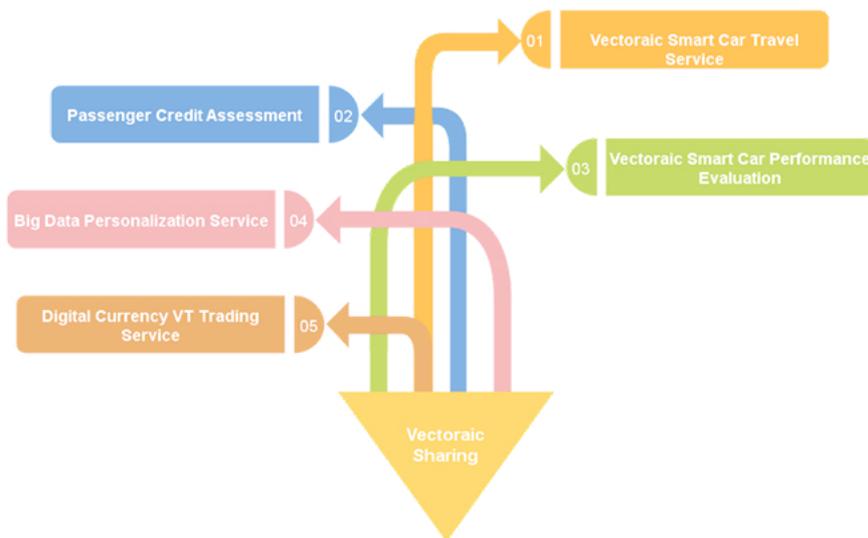
With more and more people using Uber, Didi and other mobile travel platforms, the safety problems of passengers are also increasing, and the application scene

of the pilotless is becoming more and more abundant. As an automatic platform based on the Blockchain, Vectoraic Network will strive to create better and safer travel conditions for passengers through block chains, intelligent contracts, and pilotless technology. As planned, we will gradually support the following scenarios:

- **Vectoraic Sharing.**

Vectoraic will provide passengers with a de-neutralised shared automatic driving travel service that can be traded through digital assets. These services include but are not limited to:

1. Vectoraic Smart Car Travel Service
2. Passenger Credit Assessment
3. Vectoraic Smart Car Performance Evaluation
4. Big Data Personalization Service
5. Digital Currency VT (VT is Vectoraic Token, and VT is the digital currency circulated by Vectoraic public chain) Trading Service



2-4 Vectoraic Sharing

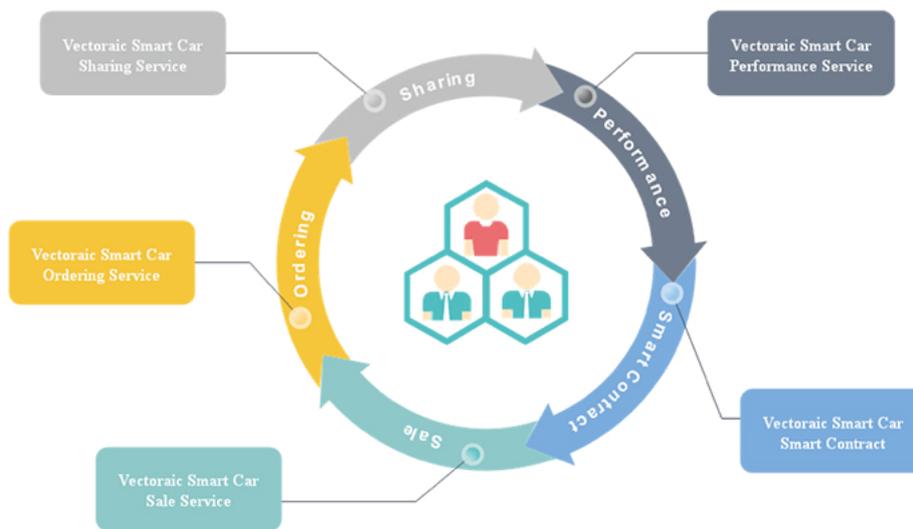
- **Vectoraic Exchange**

Vectoraic will launch Auto Travel Exchange on a base of Auto Travel Sharing users. Vectoraic has a large number of performance evaluation data for

automatic driving smart cars, as well as the unique identity of an automatic driving smart car. The logo can quickly match the needs of passengers, enabling new cars or cost-effective second-hand cars to be sold in seconds, and has been equipped with the world's top automatic driving system: Vectoraic OS.

Auto Travel Exchange service content:

1. Digital Currency VT Trading Service
2. Vectoraic Smart Car Ordering Service
3. Vectoraic Smart Car Sale Service
4. Vectoraic Smart Car Performance Evaluation
5. Vectoraic Smart Contract



2-5 Vectoraic Exchange

- **Automatic Driving BaaS (Blockchain as a Service) Open Platform**

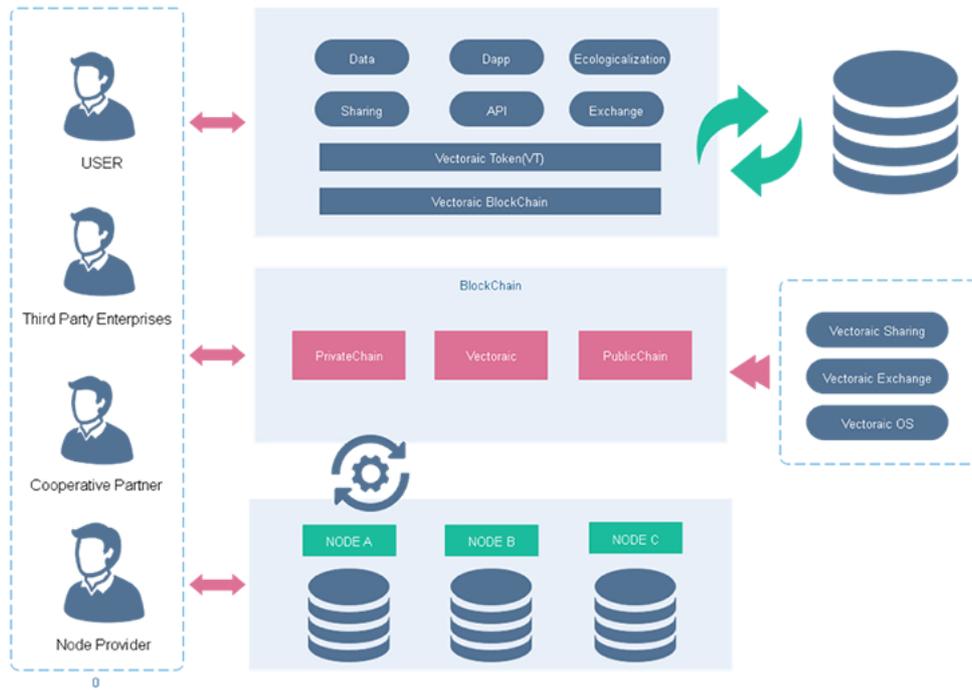
Vectoraic encrypts and uploads the collected data to the Vectoraic chain. Since all data is encrypted and displayed on the Vectoraic chain, it not only protects the privacy of users, but also makes the data collected by Vectoraic more convincing. In order to provide more complete and secure data for use by Vectoraic partners, Vectoraic will develop Vectoraic private chains (application chain and payment chain) based on the Vectoraic chain and establish a sound token circulation

mechanism for credit incentives, technology introduction, post vehicle insurance, taxi payment and settlement. Enterprises will only be able to view and discover the users of Vectoraic by obtaining a specific private key in cooperation with Vectoraic to provide users with better service. Vectoraic has reached a strategic cooperation with Shenma special vehicle. VT will become the first token in the field of taxi payment.

In order to better build the Vectoraic ecosystem, Vectoraic will open the Vectoraic Blockchain as a service on the Vectoraic private chain, which is only available to partners participating in the Vectoraic ecological construction.

For example, Vectoraic's partner is an insurance company where passengers or drivers can purchase Vectoraic Smart Car insurance through VT on Vectoraic, partner insurance companies can evaluate data, driver driving habits data, etc. through Vectoraic's Vectoraic Smart Cars. The data will systematically calculate how many VTs the car should pay to achieve reasonable insurance cost. At the same time, when the accident occurs, the insurance company can obtain the most real data at the first time, and thus provide the fastest way to claim compensation. The user can also realize the second payment of the accident and help the country to reduce traffic congestion more effectively.

The token circulation mechanism on the Vectoraic BaaS platform will also be applied to driving credit incentive, which is also a big gain change brought by VT token to the current road traffic field. Users drive access to the Vectoraic ecosystem, all of which will be stored in the cloud in encrypted form, and to form a force, start a mining, and make more users with good record in the VT token incentive based on the large data algorithm model, thus promoting a healthier road traffic ecosystem.



2-6 Vectoraic Blockchain Circulation Mechanism

## 2.5/ Vectoraic Blockchain Roadmap



2-7 Vectoraic Blockchain Roadmap

# 3/ Vectoraic OS: Core Technology

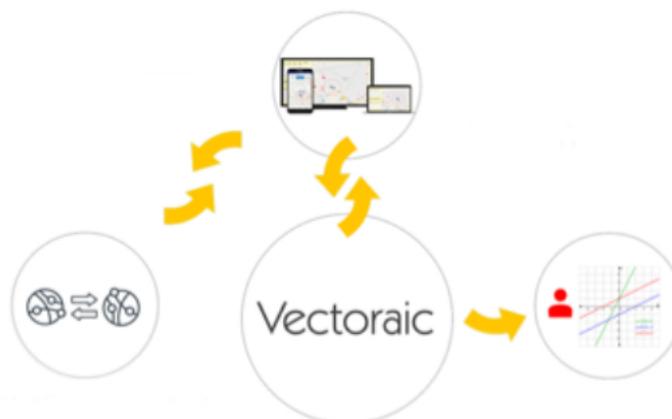
Vectoraic is currently the most likely project to achieve automatic driving technology Level 4. Its core technology has been patented in the US, and the software patent number is PCT/IL2018/050085. Vectoraic technology has been applied to the ground in the Israeli military field, and the next step will be to establish a laboratory at the Wiseman Institute and set up a R & D base in Guangzhou, China.

## 3.1/ Vectoraic Software

### 3.1.1/ First BLOS (beyond-line-of-sight) Automatic driving distance detection technology

Vectoraic is the only self-driving road anticipation system developed based on the air force drone attack detection Blockchain technology, and carries out unique risk prediction by distributing the frequency of any digital device in each risk area. Vectoraic owns a unique V2X (Vehicle to X) technology.

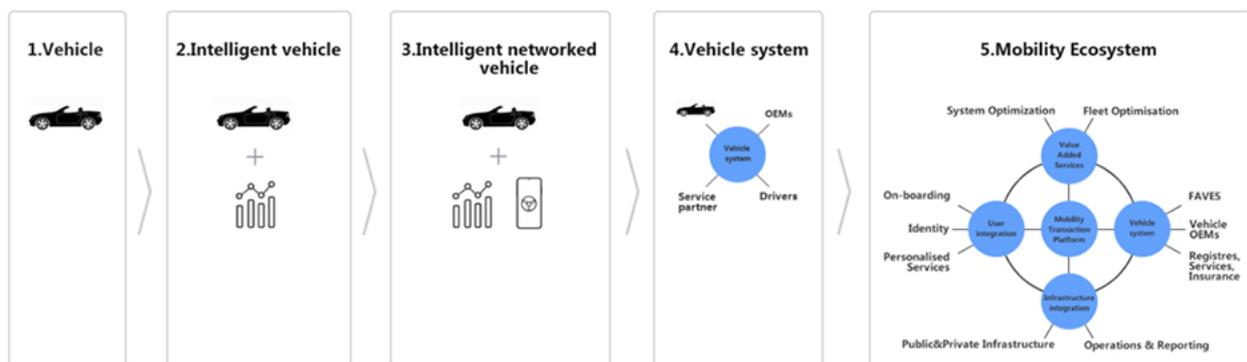
At present, the technology on the market can only detect visible objects within a certain range, but the revolutionary technology of Vectoraic is that it can receive data between transmission devices (such as mobile phones), sensors and cameras to perceive, predict risk areas and send early warning signals that may collide.



3-1 Vectoraic Data Collection Flowchart

Vectoraic adopts the principle of multiple UAV joint operations, interconnects all the moving objects, sends the signal source to the cloud processor, calculates and analyzes through the Vectoraic algorithm, and sends the possible accident to the user through the warning instruction. In signal capture, the Api sharing technology after subversive design and algorithm optimization has been awarded the US patent.

In general, the world's unique long range remote prejudgment system is the biggest breakthrough in the field of autopilot by Vectoraic and can exclude 96% collision risks to 2 kilometers far beyond the maximum range (300 meters) that can be detected by the current autopilot technology.



3-2 Vectoraic V2X Technology Eco System

### 3.1.2/ The most efficient image processing technology in the world

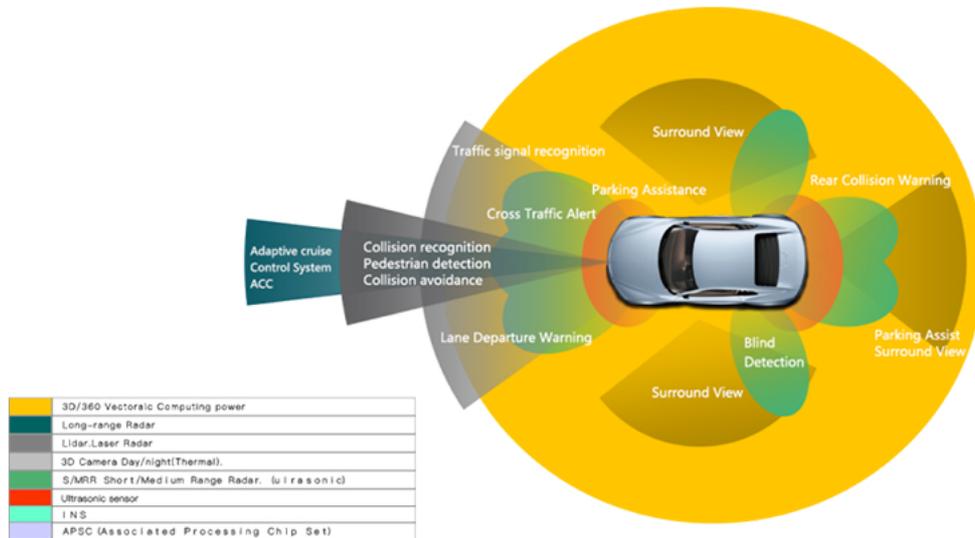
Compared with the image data collected by Google map, Vectoraic applies the top vector data image processing system. By using intelligent cruise self-guidance technology and oblique angle sweeping technique, Vectoraic is able to carry out 3D omni-directional detection and depth perception to the target. Through high resolution laser detection, the scanned vector will be measured in 360 degrees. Then the volume data is uploaded to the background, and the massive fragment data is automatically spliced into a perfect vector map. Based on the neural network algorithm, the accurate analysis of the risk is performed

automatically. The efficiency is 300 times that of the Google satellite map.

### 3.2/ Vectoraic Hardware



3-3 Diagram of Autopilot hardware system



3-4 Automatic Driving Operation System

### 3.2.1/ World's most advanced, smallest vehicle radar system

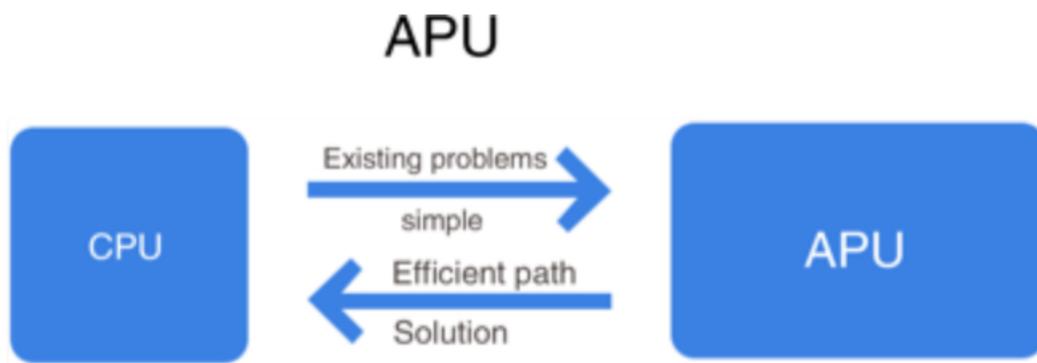
Vectoraic uses the world's most advanced and minitype 360 degree, all directional phased array vehicle radar, which is only 5CM high and 10 times smaller than the Google vehicle radar. The radar is a fixed radar, and it can achieve 360 degree omnidirectional detection without rotation. The reaction speed is 100 times faster than the Google vehicle radar.



3-5 Comparison of Google Radar and Vectoraic Radar

### 3.2.2/ The world's fastest and smallest vehicle computer operation system

Traditionally, data needs to be stored in memory to be processed by CPU, and the APU used by Vectoraic allows data to be stored directly in memory and processed directly without the input / output processing, which greatly improves the performance of the operation, and the operation speed is 1000 times the current chip. In addition, as the efficiency has been increased, so the electricity consumed has also been greatly reduced.



- Computes in-place directly in the memory array – removes the I/O bottleneck.
- Significantly increases performance (X1,000).
- Reduces Power.

3-6 Comparison of the Chips

### Size of Google Computer vs. Size of Vectoraic Computer



3-7 Comparison of Google computer and Vectoraic

### 3.2.3/ The world's smallest night vision heat sensor

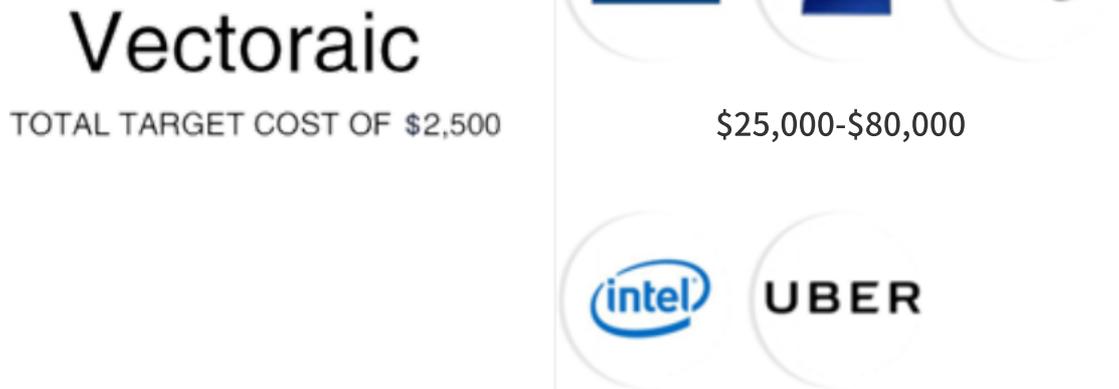
Vectoraic night vision thermal sensor is based on APU, with the smallest volume in the world. In addition, it doesn't need gas cooling system to perform excellent performance, and can also achieve a clear perspective and induction of the target in a completely dark, fog, rain and snow environment.

### 3.2.4/ Vectoraic hardware is super high performance of price ratio with only 1% of the market cost.

Vectoraic provide a more cost efficient solution, 90% lower than the current market price. Google, Uber, GM, and Inter's hardware cost is between 25,000

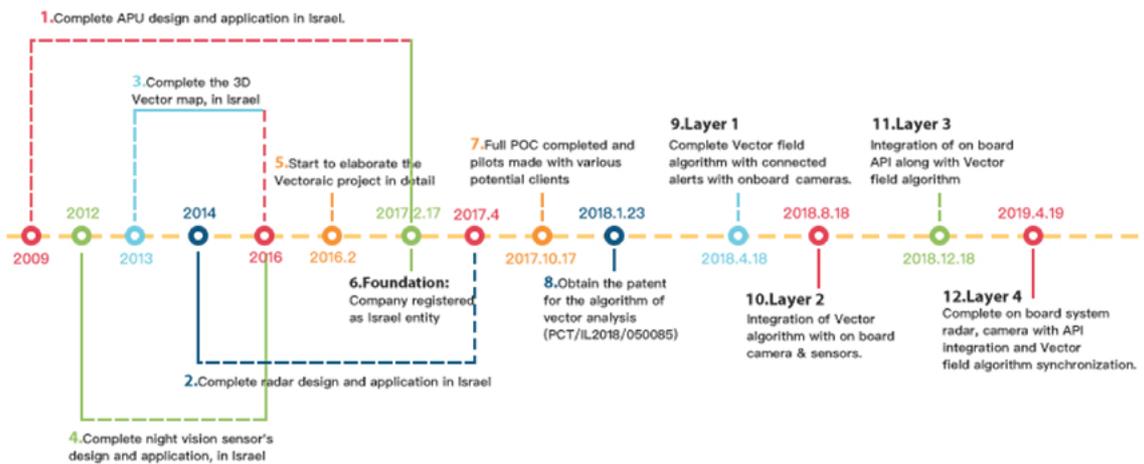
and 80,000 US dollars. The total cost of Vectoraic is only 2,500 US dollars and the cost is reduced to 10 percent.T

## COSTS



3-8 Cost Comparison

### 3.3/ Vectoraic Technology Development Roadmap

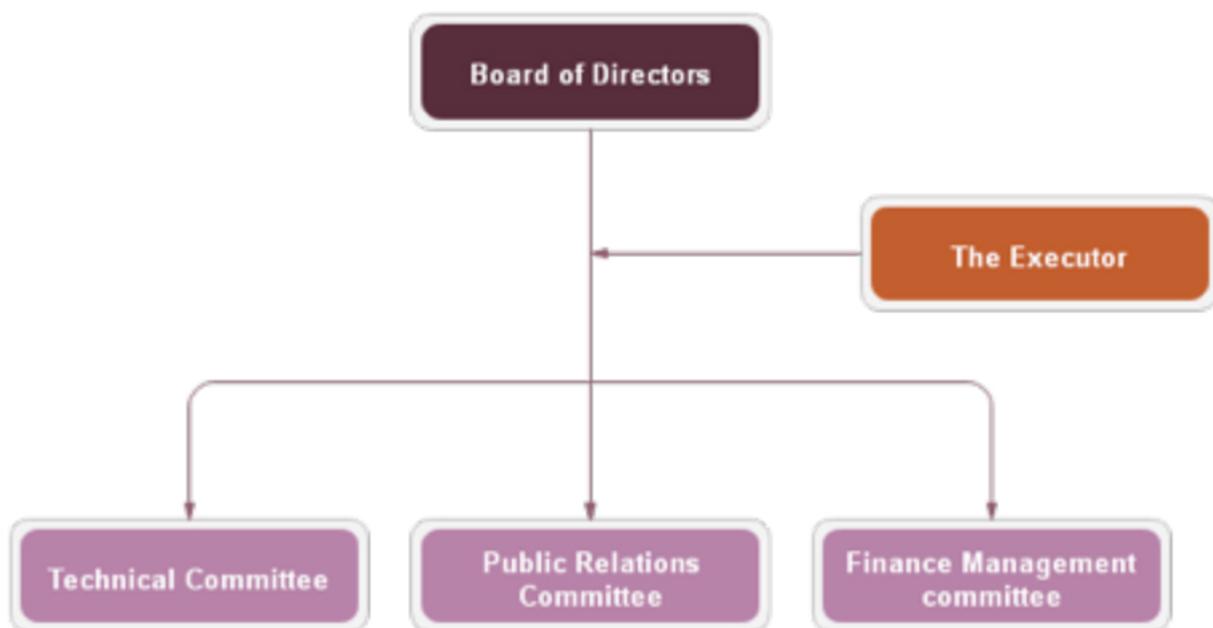


3-9 Vectoraic Blockchain Technology Development Roadmap

# 4/ Team

## 4.1/ The Vectoraic Foundation Ltd.

The Vectoraic Foundation is a permanent management organization established by the founding team of the Vectoraic Project. It was formally registered in Israel in Jan 2017. As an independent, non-profit entity, the Foundation is responsible to the Vectoraic community for the promotion and development of Vectoraic Ecology as its primary goal.



4-1 Vectoraic Organization Structure

**Board of Directors** - Foundation's decision-making System, including the nomination and voting executive (Secretary-General) and heads of functional commissions; making important decisions; convening an emergency meeting. The term of office of the members and the chairman of the board of directors shall be two years. The first member of the Vectoraic Foundation Board of Directors was selected from the following three sections: core team, partners, and consultants Q&A has rich industry experience and community representatives. The 20 community representative candidates, which are weighted by the RNT holding amount and holding time, are selected by the candidates to select community

representatives according to the difference principle. From the second session onwards, each additional member will be entered into the council so that the community can express their views smoothly.

**The executor (Secretary-General)** - the highest person in charge of the Foundation's administrative affairs, provides unified guidance and coordination on daily operations management, technology development, market expansion, community maintenance, and public relations. The Secretary-General is elected by the Council and regularly reports to the Council.

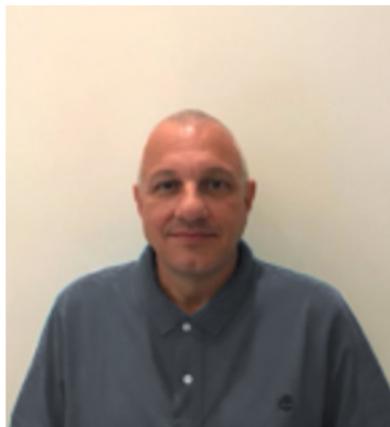
**Technical Committee** - Composed of core developers in the Vectoraic team, responsible for the development and decision-making of technology research and development, underlying technology development, open port development and review, technology patent development and review, etc. In addition, members of the technical audit committee regularly understand the dynamics and hot spots of the community and the industry, communicate with the co-constructors in the community, and hold technical meetings from time to time.

**The Market and Public Relations Committee** - Ecological Development and Community Building has always been Vectoraic's core work. Under the supervision of the Finance Committee, the Committee will use marketing assets and income derived from the start-up capital and community operations to conduct marketing and business cooperation, and more Potential partners are included in the ecological scope and promote the sustainable development of the ecosystem. At the same time, the committee will also be responsible for all external publicity and public relations operations.

**The Finance and personnel management committee** - responsible for the use and review of foundation funds, personnel recruitment and compensation management, daily operating expenses management. Foundation funds are represented by VT tokens, which come from the following aspects: At least 10% of

VTs in initial token crowdfunding are allocated to the foundation account; the entire processing fee of Vectoraic's transaction master contract will be used to repurchase VT and allocate funds to the foundation account. The exchange and use of tokens should be approved by the Board of Directors and reviewed by the Finance and Personnel Management Committee, and publicly disclosed in the Foundation's regular reports.

## 4.2/ Team Members



**Lior Motilsky**  
**Chief Executive Officer**

Mr. Lior: The most famous scientist of automatic driving UAV in the Israel Defense Industry, the company he founded, is supplier of U.S. Special Forces Unmanned Aerial Vehicles and combat aircraft integration system, Conversion of experimental aircraft to a UAV. At the same time, he is also the chief architect of developments and production of special projects in the field of unmanned vehicles in the Israel industries and of Israeli Defence Forces. In addition, he is also the primary designer and sole supplier of component from composite materials for the Boeing 787 Dream Liner Airplane. Lior is a graduate at the Ben Gourion University in M. Engineering. Lior involved in two remote and programmed remote control projects, for a military project and a civilian project in the field of command and control, fire extinguishing, and other issues.



**Llan Mizrachi**  
**Chief Information Officer**

Mr. Ilan, a former chairman of the Israeli National Security Council, the Israeli Prime Minister, chief of national security adviser to the Israeli Prime Minister, former deputy director of Mossad.



**Aviram Malik**  
**Chief Operating Officer**

Aviram has an outstanding record as an industrialist and serial entrepreneur of successful high-tech companies. For the past 15 years, he has been deeply involved as an entrepreneur, serving on the boards of many of companies and leading them to IPOs both on the NASDAQ and the ASX. Aviram served in the navy as a deep sea diver.



**Or Shlomo**  
**Chief Technology Officer**

The chief scientist of ANYVISION, the only face recognition provider of Israel's homeland security, which is supplier of the Israeli border and Jerusalem face recognition technology. He is also an expert consultant on the Blockchain technology of the Weizmann Institute, the ten largest research institute of the globe, and the chief algorithm scientist of the NASDAQ listed companies BIDALGO. Also, he is the committee member of the Accreditation Committee of Artificial Intelligence Standardization Organization.



**Yuval Gutman**  
**Chief Developer**

Yuval is Cyber Software Engineer at Check Point Software Technologies. He has major roles in designing and implementing high scale real-time data driven cyber defense systems. Yuval is a Blockchain expert and holds bachelor's degree in Information System Engineering from the Ben Gurion University – Israel.



## **Eran Gilboa** **CFO**

Mr Gilboa holds a B.A in Economics and Management, specializing in finance, from the College of Management in Israel, and an LLM from Bar-Ilan University. He has vast experience as the Chief Financial Officer for numerous global companies in the fields of hi-tech, real estate, finance and media. He also played a crucial role in various mergers and acquisitions of international companies, where he led the intricate financial and tax processes. Moreover Mr. Gilboa has a CPA license and was responsible for private and public companies in his role as Senior Accountant at Ernst & Young.

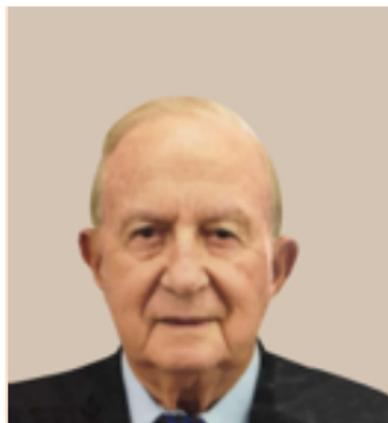
## 4.3/ The Technical Advisory Team



**Yosef Solt**  
**Consultant**

Yosef has 22 years of experience as an electronics and computer engineer working at Marvell Israel. He was among the first partners to establish the communications company Galileo, which was sold to Marvel Global., Galileo operates as part of the Marvel Global company and employs around 1000 workers in Israel. Yosef has registered 27 patents in telecommunications, computers and testing components. He served in the army as a major in the Intelligence Corps and received a B.Sc. in Electrical Engineering from the Technion - Israel Institute of Technology.

## 4.4/ The Advisory Committee



**Michael Ron**

Michael has worked for the Israel Atomic Energy Commission for 22 years, has .

held senior management positions, and has served as Professor of Industrial and Management Engineering at Ben-Gurion University for more than 10 years- Michael spent five years at Israel's Consulate General in Los Angeles. He is also the vice president of technology for one of the largest companies in Israel. He is responsible for various industrial projects including renewable energy. In addition, he established and managed the import and distribution business of Mazda's Japanese cars in Israel, which has also become Israel's largest and most profitable car business. Since 1999, Michael has been actively promoting and promoting technological entrepreneurship, focusing on investing in start-ups in the fields of medical equipment, biotechnology, communications and automotive. He also established and managed 26 investment clubs for private investors and served as a member of the executive committee of the technology incubator.



**Eric Banoun**

Eric is a senior manager and has a good reputation for selling large projects in global security government agencies. Previously, he served as Vice President of Sales and Business Development for the Network and Intelligence Division of the Global NICE System (Nasdaq Stock Code: NICE). Later, as a co-founder and partner of CT Circles Technologies, Eric was a leader in the company's success and remained active for 18 months after Circles was acquired by a US private equity fund. Prior to NICE, Eric served as Vice President of ECI Telecom, focusing on the development and success in Asia, and Orckit's Vice President of Global Sales and Business Development. Prior to joining ECI, Eric also worked

at the Boeing Commercial Aircraft Group's internal collision prevention department in Seattle, Oregon, and worked closely with the world's leading commercial airlines. Eric holds a bachelor's degree in aerospace from the Israeli Institute of Technology and an MBA from Tel Aviv University.



### **Erez Fait**

Mr. Fait is the CEO of Holdings Ltd. He has more than 30 years of experience in security and communications systems, research and development, marketing and strategy for Tadiran Systems and ECI Telecom. He left to start Platinet Communication in 2000 and Orange Partner Communications. Since 2001, he has acted as the agent and sales communications solution provider through Fait Holdings Limited, and has maintained technical cooperation relationships with Southeast Asia's telecommunications and security companies that are at the core of Indonesia.

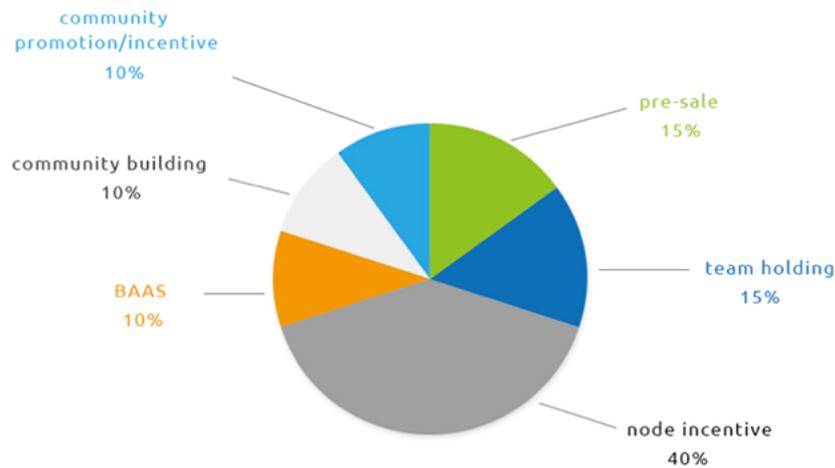
# 5/ The Release of Token

## 5.1/ Release plan

The token issue is expected to start time	2018
The token issue is expected to end time	2018
Price of Token	0.1 USD
Total number of tokens	3,300,000,000
Crowd funding Cap	50,000,000 USD
Accepted currency	ETH
Official website	Vectoraic.io

## 5.2/ Token distribution ratio

- 10%: community promotion and incentive, including additional gift tokens during crowd funding
- 10%: community building, foundation holds
- 10%: BaaS Cooperative Enterprise Incentives
- 15%: early investors, pre-sale
- 15%: Team Holding, locked-up period of three years
- 40%: node incentive



5-1 token distribution ratio

### 5.3/ Use of funds

The budget is based on the premise that the issuance of tokens reaches the hardtop. If the funds raised are less than expected, the budget ratio may be adjusted to ensure the completion of technology research and development and infrastructure construction.

#### - Technology R&D 50%

Vectoraic based trading master contract optimization, standard subcontract interfaces, order relay services, side chain RELAY, Vectoraic public chain, modular API interface.

#### - Marketing and Commercial Operations 20%

Early community development, promotion, marketing, and business cooperation with leading major exchanges.

#### - Daily operation and maintenance 15%

Daily maintenance and safety after the product goes online, rental of office space, recruitment, legal and financial advice.

**- Reserve 15%**

Reserve a part of the funds for the emergency treatment of emergencies and other finances other than the above matters and the community construction that the foundation is responsible for.

# 6/ Risk warning

You acknowledge and agree that you hold or use VT in order to participate in Vectoraic activities and bear the associated risks.

## 6.1/ Regulatory uncertainty

In many jurisdictions, the regulatory status of Vectoraic and distributed ledger technology is unclear or uncertain. It is not possible to predict how, when or whether the regulatory framework will apply existing regulations or develop new regulations for related technologies and applications including Vectoraic and/or Vectoraic. Regulatory actions may have a different or different degree of negative impact on Vectoraic and/or Vectoraic. The Foundation (or its affiliates) may be liable if regulatory actions or changes in laws or regulations render the business illegal within this jurisdiction, or if the business does not wish the business to obtain the necessary regulatory approval within its jurisdiction. It will stop business within this jurisdiction.

After consulting with numerous legal advisors and conducting continuous analysis of the development and legal structure of virtual currency, the Foundation will handle the sales of VT carefully. Therefore, for mass sales, the foundation may constantly adjust its sales strategy so as to avoid relevant legal risks as much as possible.

## 6.2/ Malware Attacks

Hackers or other criminal groups or organizations may attempt to infringe Vectoraic in a variety of ways, including but not limited to malware attacks, DOS (denial of service) attacks, consensus-based attacks, Sybil attacks, network vulnerability denial attacks, and deceive. In addition, there is a risk that a third-party organization or a member of a foundation or its affiliates intentionally or unintentionally introduces vulnerabilities into the core infrastructure of Vectoraic, which may adversely affect Vectoraic.

### **6.3/ Market Competition**

Using the same or similar codes and protocols based on Vectoraic and trying to recreate similar facilities, alternative networks may be created. Vectoraic may need to compete with these alternative networks, which may have a negative impact on Vectoraic.

### **6.4/ Development Problems**

For various reasons, Vectoraic's development may be at risk of not being implemented or implemented as planned. These reasons include but are not limited to the price drop of any digital asset, virtual currency or VT, unforeseen technical difficulties, lack of active development funds, etc.

### **6.5/ Other risks**

Besides the risks mentioned above, there are other risks associated with your purchase, possession, and use of VT (especially listed in the terms and conditions), including those that the Foundation cannot anticipate. These risks may be further concretized by unexpected changes or a combination of the aforementioned risks. You should conduct a thorough survey and evaluation of the Foundation, its affiliates and the Vectoraic team, and understand the overall framework and prospects of Vectoraic before purchasing VT.

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Leading the Innovation of blockchain Autopilot

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