



# Tiger Block Exchange Center Trading Platform

Whitepaper

v1.3

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## Background

According to CoinDesk, from January 2017 to June 2017, there were 129 major ICO projects in the world, with total financing exceeding 1.67 billion U.S. dollars. Even more explosive growth has taken place since June, 2017. Some of these projects, in just a few minutes or a few hours, have raised tens of millions of dollars. Investors are rushing to the booming ICO digital currency market. According to Ye Hanxin, the CEO of Chainpool technology, an ICO project will increase an average of 3 to 5 times when it is issued directly into liquidation; it may turn over 20-30 times on the trading platform. Many foreign ICO projects can achieve growth multiples of 50 or even 100.

<https://www.coindesk.com/1-6-billion-all-time-ico-funding-climbs-as-record-500-million-invested-in-july/>

## Block Exchange Center Trading Platform

Currently, there are two main types of financial platforms for blockchain transactions, (a) trading platforms involving fiat money and providing exchange services between cryptocurrency and fiat money, and (b) trading platforms exclusively between cryptocurrencies.

We will create and focus on a third and new category, one that is aimed at thousands of currencies, hundreds of exchanges, settling currency exchange differences between hedging arbitrage trading platforms.

## The Vision of the TigerBEC

The TigerBEC creates a "world-class blockchain hedging arbitrage trading platform." In the era of digital asset outbreaks, new exchanges are launched daily, and whenever there are policy changes, the up and down momentum in digital assets market creates great hedging arbitrage among hundreds of exchanges. Our team is poised for solid and sustainable growth. Based in New York City's financial center we are ideally positioned to act upon first-hand market information. We have assembled a team of quality consultants to expand our technology portfolio, which is complemented by cloud-based technologies.

Our consultants are consummate professionals with certified security experience with the Bank of America and the World Bank, and are well-equipped to realize our vision and achieve our goals.

## Unlike other Cryptocurrency Exchanges

Right from the start, the TigerBEC will focus on trading hedges among hundreds of exchanges in the market. We have developed proprietary source code to manage high speed reaction times, averaging less than 1/60 second. After launching the arbitrage hedging platform, TigerBEC will gradually increase the number of supported cryptocurrencies. TigerBEC will also support fiat currency exchange, and will be the one-stop shop for the development of ICOs, and ICO advertising and listing, so that investors can monopolize new ICO private fundraising and are also guaranteed a listing on the TigerBEC exchange.

- Security Certified by Bank of America and the World Bank

Tiger Party, our full-service agency for concept-development and interactive marketing, has rich experience in security development in financial platforms. We collaborate with the Bank of America and the World Bank and our products are protocols scanned on a quarterly basis by red and white hacker teams. Tiger Party has already built the industry's highest level of security standards.

- Experienced Team

Unlike other ICOs, who usually outsource their development, at TigerBEC we have an in-house team, using our proprietary hedging core engine, and Adapter Pattern design architecture. When linking the various exchanges, the TigerBEC can achieve ultra-high tolerance of more than 6,000 requests per instant response. Our technological know-how is backed up by more than 10 years of teamwork and operation experience with Disney, Pepsi Microsoft, Mercedes Benz and other world-renowned brands. In other words, the TigerBEC is building out a world-class hedging platform.

- The world's leading advertising platform

Tiger Party has built and managed 5 billboards in Times Square NYC , including

ABC Supersign, Bank of America Sign, Disney Store Sign, American Eagle, and Express Sign as well as cooperating with 20+ other screens. TigerBEC will provide the current ICO project with exclusive air time and opportunities to advertise in Times Square, and will be supported even further with global advertising campaigns.

- Link to world-class start-ups

Hundreds of business incubators and accelerators are stationed in New York. Here, Tiger Party has worked with numerous agencies such as Mitchell Madison Group, and NYC Media Lab. Tiger Party is able to reach out to the new venture teams sooner and more efficiently than the average investor and will be at the cutting edge of new global projects.

## Introduction of TigerBEC

TigerBEC has a world-class team, to create a world-class blockchain asset hedging trading platform.

## Unparalleled High-Performance

The TigerBEC transaction system uses Redis high-speed memory DB, also used by the Bank of America. The processing speed of a single host order can reach 2.5 million records per second, which ensures that there will be no delay or stuttering in matched trading. TigerBEC system engineers have stress-tested their platform, and our Redis DB deployment has been security scanned by Bank of America and the World Bank and can provide smooth and steady service to more than 30 million users worldwide. The core architecture is designed using Adapter Pattern, which can be dispersed across multiple cloud servers collating information from different exchanges. Our process improves data update efficiency, facilitates horizontal scaling, and enables the formation of updates without affecting the core components when new exchanges are added in the future, and completes program updates in the shortest time as the Exchange's trading API changes without bringing the system offline.

## Security and Stability

TigerBEC uses NASA's advanced Cloud Openstack system architecture. Openstack architecture has been designed to dramatically improve system performance, security,

stability, and scalability. It can adjust the number of hosts at any time depending on the number of simultaneous online transactions, manages updates without downtime, and maximizes the protection of end-user transactions. TigerBEC architecture is not dependent on any third-party components during development. This ensures that the program has a complete and intact modification history. All changes are made in the Git version controlling system in the cloud and are secure, with tracking records of all transaction histories. New developments will be deployed in staging servers without affecting the existing platform.

## Support Cryptocurrencies

In the early phases of its hedging operations, TigerBEC will provide support for the following currencies: BTC, ETH, LTC, TGK (Tiger Token). We will gradually introduce fiat currency in later phases. If a new ICO wishes to list their tokens on our platform, then taking part in the current TGK ICO will ensure their listing.

## Support Multi-languages

The TigerBEC online version will support bilingual communication in English and Chinese, and the system will gradually support other languages in the following order: Japanese, Korean and Russian to extend the hedging arbitrage financial trading platforms to the world.

## Third-Party Fiat Currency Exchange Certification

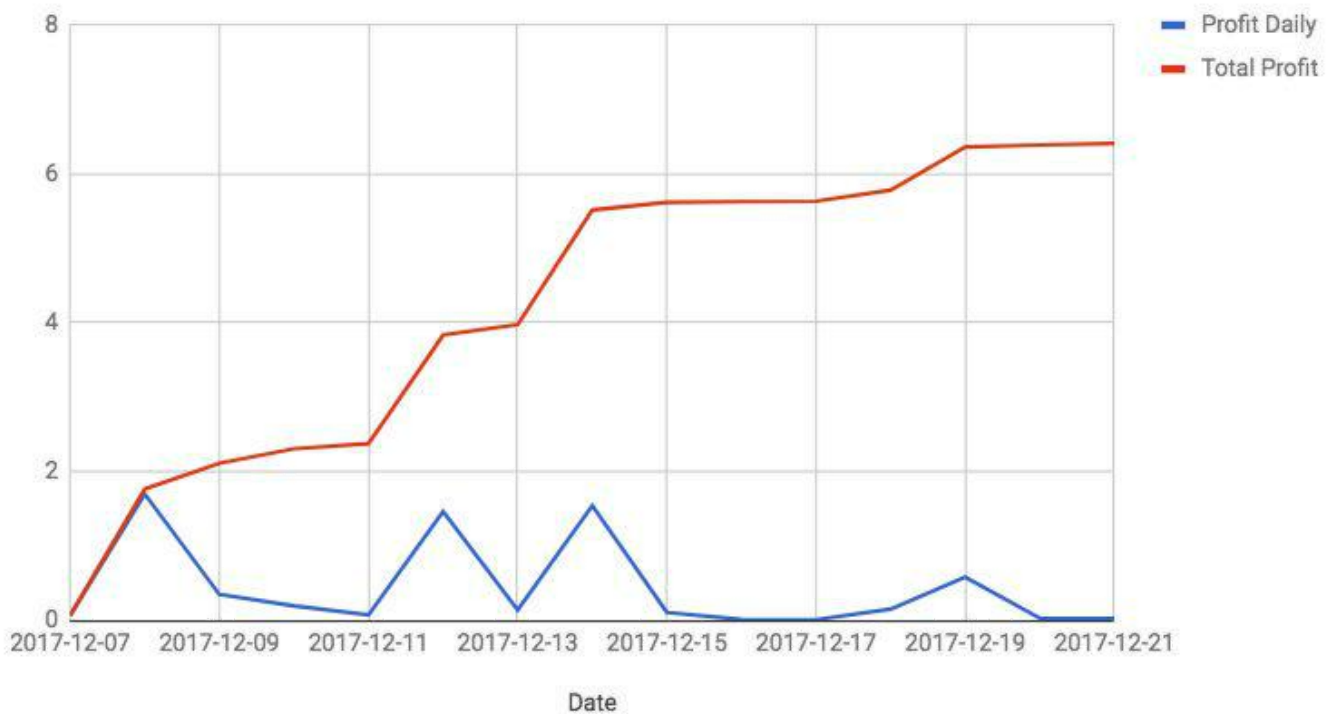
TigerBEC will introduce fiat currency matchmaking with cryptocurrencies online and support USD, RMB, TWD, JPY and other currencies.

## Profit Model

As the best performing hedging arbitrage trading platform, the main revenue of the TigerBEC derives from the hedging arbitrage of the platform across global exchanges. After the arbitrage platform is launched, fiat currency trading between cryptocurrencies will be the next deployed. To become an all-round exchange that collects transaction fees paid for transactions between users, the platform is still in the early stages and it is important to have support of people around the world. A platform trial run was done

between December 7 and 21 of 2017. The average daily return was approximately 6.5%. When there is a double-digit move to either the upside or downside in cryptocurrency prices, TigerBEC is projected to outperform with a 20% ROI.

### Daily and Total Profit (BTC)



Other Income	
ICO advertising fee	Advertising in New York City's Times Square, you will enjoy a 25% discount if you pay with TGK.
ICO Private Fundraising	Features the advantages of start-up agencies, advertising, ICO and proprietary exchanges that create exclusive quotas with counseling programs. The general public investing in digital currencies is charged a fee of 10%, but by using TGK, investors can enjoy a 50% discount.

Transaction Fees	When the platform trading users are engaged in the trading of tokens, they need to pay a certain percentage of the handling fee to the platform, and the platform will uniformly charge 0.15% at the initial stage of an operation. Later, it will set different fee rates based on operational requirements, Maker and Taker, and user historical transaction volume levels. No matter what kind of tokens you trade, you will get 50% off the handling fee once you pay the transaction fee.
Withdrawal fee	When users withdraw digital currency, they pay the platform cash withdrawal fee.
ICO online fee	The platform will occasionally launch high-quality tokens as the subject matter of the transaction and charge certain online fees that are directed to the token promotion team.
Global Fiat Currencies	TigerBEC will introduce fiat currency matchmaking with cryptocurrencies and charge a processing fee
Future contracts and margin trades	TigerBEC will be supporting future contracts and margin call trades



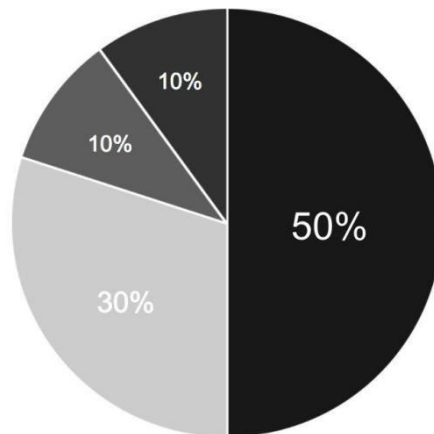
## Token Distribution

### TGK

TigerBEC platform is launching Tiger Token (TGK). The maximum issuance is 500 million tokens. TGK is a decentralized blockchain digital asset based on the Ethereum mainchain using the ERC 20 token standard.

### Distribution Process

The proportion in this ICO offering is 50%. 30% is held by the team, 10% for Angel investors, and 10% for marketing.



### The development team TGK unlock plan

At sixth month unlock 25%

One year unlock 25%

Two years unlock 25%

Three years unlock 25%

### Release Schedule

Date	Content
15 Jan. 2018	TigerBEC New York City summit
16 Jan. 2018	Completed first draft of the white paper and presented to Angel investment institutions

15 Feb. 2018	Publicly announce the TigerBEC ICO program, release white papers to ordinary investors
25 Feb. 2018	ICO starts
25 Mar. 2018	ICO ends (or ends when maximum is reached)

### TGK Funding Target

Maximum 20,000 ETH

Exchange ratio 1:25,000

### Dividend Mechanism

After the launching of the TigerBEC hedging arbitrage platform, 25% of the quarterly net profit of the TigerBEC platform will be used for purchasing the TGK from the market. The repurchased TGK are directly destroyed and the records will be public at first hand. The users can check through the blockchain browser to ensure transparency and openness until the total tokens are reduced to 100 million TGK.

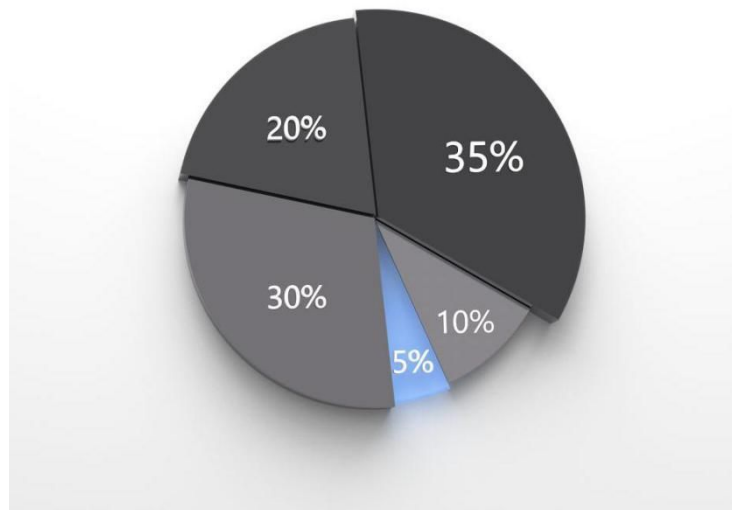
### Bonus Mechanism

When the total amount reached is 100 million TGK, 25% of the quarterly net profit will be used to purchase TGK from the market and distribute to the current TGK owners as dividends.

### Fuel for Futures Traction

TGK will also be the fuel for futures contracts of the decentralized chain, which is needed when the ICO project wants to advertise in Times Square.

## Use of Funds



**35% will be used as continuous development of TigerBEC**

35% of the raised funds will be used for functional development, including rewards for the engineering team, research and development, funds for the development of new features, including future planned 2018 development processes such as off-market fiat currencies contracts transactions, and futures leverage.

**30% for Marketing**

We will use 30% of the funds for marketing purposes. In response to the continuous promotion of the traditional industries and blockchain industries, we will cooperate with the venture institutions to popularize the TigerBEC platform to get optimal and exclusive private placement quotas, and funding for a range of entrepreneurial activities. This ensures that the TigerBEC platform quickly gains market recognition and accumulates trading users.

**20% as System Security Maintenance**

Security is of particular importance due to the many financial-related functions included in the trading platform. We will continue to add additional security gates while maintaining

performance.

### 10% for Legal Costs

TigerBEC operates across multiple continents, countries and regions. In order to ensure the smooth operation of the business, the platform must meet all regulations at different sites.

### 5% as Cash Reserve

As a reserve and emergency fund for the platform of the TigerBEC, we will reserve this percentage to cope with various situations.

## Development Plan

2018

January Global community building

March

- TGK sale launched
- TGK sale is completed

April

- Tiger BEC blockchain hedging arbitrage platform is online
- TGK distribution is completed

May

- TGK lists on one exchange
- Tiger BEC global fiat currencies trading function is online
- Repurchase tokens for the first time

June

- iOS & Android App is online
- TGK launches two exchanges

August

- Currency trading function is online

- The second repurchase of tokens

December

- Quarter net profit of 25% coin purchase constitutes the dividend
- Secure more than two exclusive and private ICO projects

## Core team

The core team of the TigerBEC is led by Rafale Chang (RC), who has extensive experience in the entire ecological chain in New York, from Times Square to blockchain development.



### **Rafale Chang (RC) - CEO**

<https://www.linkedin.com/in/rafalechang/>

Rafale Chang, founder and CEO of Tiger Party. Built in 2009, TigerParty is a technology company that connects online interactive advertising systems and physical Times Square billboards.

At the crossroads of the world, Times Square in New York, USA, outsized video wall signage is the tier one battleground for advertisers. In this highly competitive advertising space, RC led the Tiger Party team to its place as the sixth largest billboard operator, controlling many TV wall panels in Times Square. On New Year's Eve in Times Square, Tiger Party plays an important role as a technology contracting company that controls the billboards. In addition, Tiger Party also conducts the development of Bank of America live streaming platforms and World Bank loan implementation platforms.

RC has strong relationships with a number of venture capital firms and accelerator companies in New York, including Goldman Sachs and the NYC Media Lab. During his tenure as Chief Technical Officer, RC and several other investors developed an online instant futures trading platform. The annual return on automatic trading was 1300%, and the platform is now in its 10th year. RC has a wealth of experience in the promotion of digital electronic interactions. Please note to the following milestones:

- RC helped Pepsi launch global promotion interaction in Times Square with more than 50 million people worldwide participating in the event in 7 days:  
<http://www.thetigerparty.com/pepsi-emoji-event-1/>

- RC founded Music Experiment for MTV, Intel, and SONY:  
<http://www.thetigerparty.com/mtv-music-experiment>
- RC led the technical team at CES to plan a new interactive platform for Samsung's main booth design:  
<http://www.thetigerparty.com/samsung>

RC graduated from the University of Melbourne, with a dual degree in computer motors and artificial intelligence.



### **Ganesh Ramanathan (GR) - Creative Director**

<https://www.linkedin.com/in/ganesh-ramanathan-3838a61/>

As the Founder & Creative Director of Tiger Party, Ganesh oversees Strategic Insights & User Experience of Tiger Party's products and interactive campaigns. Ganesh has led a diverse group of creatives including designers, copywriters, interaction designers, and creative technologists. From these disciplines, he curates and choreographs teams that collaborate on a variety of work, from mobile applications to 3D Animated advertisements and everything in between. Ganesh also leads Business Development teams in West Africa (Ghana, Liberia, Sierra Leone), Central Africa (Zambia), India & South Pacific (Solomon Islands & Papua New Guinea).

Over the last 2 years, Ganesh has scaled Tiger Party's data solution for governments on a national level in 6 countries - Ghana, Liberia, India, Solomon Islands, Papua New Guinea & Zambia. He has presented on topics pertaining to strategy, innovation, design and technology at various international conferences and events.

Ganesh has led the User Experience & Creative design for Nation-wide campaigns in US for top brands such as Bank of America, Cricket, Toys "R" Us, MTV & 7-Eleven.

Ganesh directed the Digital User Experience for 7-Eleven's NextGen stores in New York, Chicago & Dallas. Entire stores, advertising campaigns, menu boards and food-ordering kiosks were redesigned.

Ganesh's design for CTM Media Group won the Gold Apex Awards at Digital Signage Expo. This solution has been installed in over 200 locations across USA & Canada including JFK International airport, Madame Tussauds, Marriott Hotel in Times Square.

Ganesh graduated from NYU with a Masters in Interactive Telecommunications. Previously, he earned a B.E. in Electronics & Telecommunications Engineering from Mumbai University.

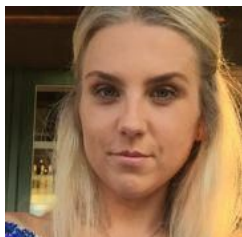


### **Amay Chiu (AC) - Chief Operating Officer of COO**

AC is Tiger Party's director of operations and is responsible for leading the Tiger Party product development department. The team led by AC includes architecture, development, front-end and back-end programming language development and quality control.

AC worked with Tiger Party founder RC and Creative Director GR to complete the development of major broadcasting technologies in New York City's Times Square and assisted the World Bank in providing loan-specific implementation platform big data solutions for Africa and Oceania.

AC graduated from Taiwan Vanung Technology University, with Bachelor of Technology, and a professional mechanical drawing license.



### **Vasilisa Kosova - Product Director**

VK is Tiger Party's Product Director with extensive product design experience, leading and overseeing the design of fault-tolerant system architectures for investment banks such as the Bank of America and the World Bank, promoting the production of core-ready system



solutions in the shortest possible time, and working with GR to further enhance the user experience. She also participated in the planning of Olympic 2018 Winter Olympic Games platform, designed a variety of product lines, combined with a number of television stations such as ABC, NBC, ESPN, CBS unified online messaging platform.



### **Mech Tsai (MT) - Chief Architect**

MT is the chief architect of Tiger Party and has extensive experience in software integration and system integration management.

MT has team-based and independent experience in web project development and is familiar with the development of many foreground programs. With his technical proficiency in background management and system maintenance, MT enables ultra-high security and efficiency in cloud server-side erection and maintenance.

MT developed Bank of America's online direct dial-in platform to technically achieve a core matching engine and a large-scale high-performance system to enhance the secondary encryption of sensitive data and secure processing. In the international business development team led by creative director GR, MT designs rather a complete set of related technologies and process plans for a large loan portfolio based on the execution platform project architecture.

MT graduated from Taipei University with a Master's degree in Information Management.



### **Clyde Wu (CW) - Head of Research and Development**

CW is the head of research and development of Tiger Party, responsible for Tiger Party's C++ matching engine design programming and software technology research and development.

Based on the needs and structure proposed by project clients, CW will conduct a multi-dimensional study of the programmed nature of the whole project to determine the most appropriate programming language and technical support.

CW is familiar with multi-equation, web technology and software development. He is also often involved in opening up the original code community to access technical personnel from various quarters, learning more about development tools and practical experience related to version control and problem tracking systems, and is determined to lead the team to "write streamlined but beautifully structured programs to create value for applications and services".

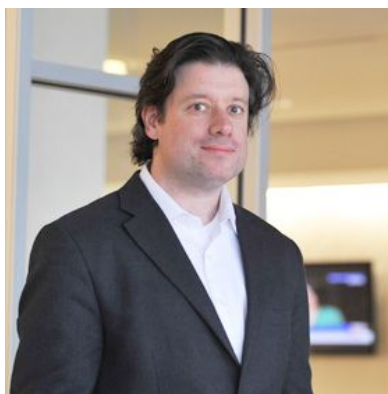
At Tiger Party, CW led engineering teams who completed several Times Square digital signage interactions with lots of hands-on experience and also led Tiger Party's unique social media engine enables tens of millions of global Internet users to simultaneously participate in major events in front of Times Square via Tiger Party's matching platform.

CW graduated from Taipei University of Science and Technology, with a master's degree in information engineering.

## Our Advisors



**Chuck Tsai**  
Partner  
Golden Equity



**Steven Demers**

- Winner of 2 Academy Awards
- Former special effects specialist for movies: Matrix and Lord of the Rings
- Focuses on machine learning and analytics of massive business data
- Deep expertise in complex data modeling, computational physics
- PhD, Caltech; MS, USC; BSEE, Cornell



**Apurva Nair**  
Partner  
Mitchell Madison Group

## Risk Warning and Disclaimer

### Disclaimer

This document is for informational purposes only and does not constitute the expression of any opinion regarding the purchase or investment. Any such proposals or solicitation will be made under a credible term and with the consent of the applicable securities laws and other relevant laws that do not constitute investment decisions or specific recommendations.

This document does not constitute any investment advice, investment intentions or

instigation of investment in the form of securities. This document does not constitute or understand any offer or purchase, nor any offer to buy or sell, any type of securities, nor any type of contract or commitment.

This project clearly indicates that the interested users have a clear understanding of the project risk, investors who participate in the investment that is to understand and accept the risk of the project, and is willing to individuals to bear all the corresponding results or consequences.

This project expressly does not assume any participation in the project caused by direct or indirect losses includes:

- (I) This document provides the reliability of all information
- (Ii) Any resulting errors, omissions or inaccuracies
- (Iii) or any action resulting therefrom

TGK is a digitally encrypted currency used on the TigerBEC platform. TGK cannot be used to buy related items or services when writing this text; TGK is not an investment. We can not guarantee that TGK will add value, but it is also possible that, in certain circumstances, there may be a drop in value, TGK tokens are not a title or control. Control of TGK tokens does not represent ownership of the TigerBEC Platform, and TGK does not grant any individual any rights to participate, control, or make any decision about the application of the Platform.

#### Risk statement

##### 1. The risk of losing TGK due to certificate loss

The purchaser's TGK is likely to be associated with a TigerBEC account before being assigned to the purchaser. The only way to enter the TigerBEC account is the relevant login credentials selected by the purchaser, and the loss of these credentials will result in the loss of the TGK. The best way to securely store your login credentials is to have the buyer securely store the credentials in one or more places, and preferably should not be stored at work.

##### 2. Buyer certificate related risks

In order for any third party to obtain the purchaser's login credentials or private key, it is possible to directly control the purchaser's TGK. In order to minimize this risk, the purchaser must protect their electronic devices to prevent uncertified access requests

through and access the content of the device.

### 3. Judicial supervision related risks

Blockchain technology has become the main target of regulation in all major countries in the world. If regulatory bodies are involved in or exerting an impact, TGK or related applications may be affected. For example, laws and ordinances restrict the use and sale of electronic token such as TGK may be restricted, impeding or even directly terminating the development of the tigers platform.

### 4. TigerBEC platform lack of awareness of the risk

The possibility that the TigerBEC platform is not used by a large number of individuals or organizations means that the public is not interested enough to trade these related ICO applications and such a lack of interest may have a negative impact on the TGK and the TigerBEC platform.

### 5. The TigerBEC platform can not reach the expected risk of TGK it'self or the purchaser

The TigerBEC platform is currently under development and major changes are likely to take place prior to the release of the official version, any TGK's or buyers' expectations or imagination of the functionality or form of the TigerBEC platform (including the participants' actions) are possible Failure to meet expectations, any misinterpretation, a design change, etc. could all cause this to happen.

### 6. Hacker or theft risk

Any attempt by hackers or other organizations or nations to interrupt the functionality of the TigerBEC platform or tokens, including service attacks, Sybil attacks, malware attacks, or conformance attacks.

### 7. Risk of Vulnerability or Cryptology subjects the risk of rapid development

The rapid development of cryptography or the development of science and technology such as the development of quantum computer or the risk of cracking to crypto tokens and TigerBEC platforms may lead to the loss of TGK.

### 8. Lack of maintenance or use of the risk

First, TGK should not be considered as an investment. Although TGK may have some value after a certain period of time, the value of TGK may be very small if the TGK lacks maintenance or use. If this happens, there may not be no follow-up followers or fewer followers without this platform. which is obviously very unfavorable to the TGK.

### 9. The risk of uninsured loss

Unlike bank accounts or other financial institution accounts, there is usually no insurance coverage on the Tiger platform or the internet, and under no circumstances will there be

any public organizations liable to cover your losses.

#### 10. Application of the existing risk of failure

The TigerBEC platform may fail due to various reasons and can not provide the service normally. In severe cases, the user TGK may be lost.

#### 11. Other unforeseen risks

Cryptography tokens are a brand new and untested technology that, in addition to the risks mentioned in this white paper, are not yet exposed or unexpected to the TigerBEC platform team. In addition, other risks are possible sudden appearance; or in the form of a combination of several of the risks already mentioned.

#### 12. Special risk alert

As a virtual currency, TGK is not a real currency and can not circulate in the market. It belongs to a virtual commodity. The token sales activities, voluntary participation by various types of market participants, and bear the unforeseen risks that may occur alone.