# AGRITECH®

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AGRITECH®

# Disclaimer

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# FOREWORD

Agritech is an integrative combination of technologies and processes that are used to manage agriculture-related risks and agricultural processes such as;

- Cultivation  Livestock  Farming  Forestry etc

**Agritech** is not only about the Blockchain technology implementation in agriculture but also the protection of data regarding the storage, processing and transit of agricultural material, especially seeds and other agricultural products. The company involves Blockchain technology for purpose of ensuring food safety, security and agricultural procedures security.

Agritech aims to deliver **“Seed to Sale”** and **“Farm to Table”** in real time AAI ( Agricultural Artificial Intelligence) traceability by implementing Blockchain technology. Less crops or limited harvesting seasons can also be mitigated using this AAI technology along with farming and livestock risks. The company also works on database and network management, user training, and policy issues to protect data and information of clients. This document also gives an insights into ongoing and upcoming episodes of development phases of Agritech. It should be noted that this whitepaper does not give any guarantee about future actions of Agritech.

# EXECUTIVE SUMMARY


All over the globe, agricultural procedures and products are going through critical changes and challenges caused by climate change, inflation, reduction in number of farmers and agencies managing livestock. Agricultural security is one if the main concerns accompanied by seeds cultivation issues and transparency issues. Technology like blockchain technology and artificial intelligence can be provided as a solution for these critical issues. Agritech aims to integrate blockchain technology and traceability phenomena using artificial intelligence into agricultural products. This whitepaper discuses the problems that have occurred in agricultural sector including livestock, cultivation of wellness products etc and the technological solutions that Agritech aims to provide with. It also gives an insight into how the solution will work and how attractive are the core features of the solution provided by Agritech and explains the working functionality of blockchain technology on agriculture and products . Agritech initially conducted this solution model on cannabis ( wellness herb).After the successful attempt on Cannabis sector, now the company aims to broaden its research base to different agricultural and livestock sectors.

# INTRODUCTION:

Agritech is created and owned by R2 Global Energy Pt. Ltd Singapore. Agritech is a Blockchain Technology project that is utilizing Thailands emerging medicinal cannabis industry as the vehicle from which to launch and test our proprietary Agriculture Traceability and Artificial Intelligence technology.

This technology is singularly focused on agriculture security and safety. It is our goal to create a sustainable, scalable, traceable, accountable, transparent, efficient program that will serve community food needs globally. EVERY global consumer of agriculture and livestock products is our customer. We are introducing our technology globally to ensure food safety and security.

# ABOUT US:

Agritech is a project that is based on blockchain technology. Agritech combines blockchain, AAI and decentralized finance with cutting edge smart farming and agricultural growth technology. It is owned and operated by R2 Global Energy Pt. Ltd., a Singaporean registered company. In Thailand, AGRITECH deployed the Technology within its CANNAWELL Project. The Cannawell project focused on Thailands newly legalized medicinal cannabis industry. Cannabis just became legal in Thailand in June 2022. It served as a great use case to study how the Traceability Technology will assist the Minister of Health and Agriculture regulators in managing the origin of the cannabis products as well as the distribution into the community. Additional benefit is it provides visibility on the different strains, so very high addictive THC levels can be identified and controlled. It gives real time visibility on how much product is being produced and where it's going. Finally, consumers can go into any licensed retail store and scan the Cannabis Product QR code and learn the strain, effects, provenance, harvest date, quality, inspection, certification etc. This gives consumers confidence they are buying from a legal grow facility and what they are buying is exactly what is advertised.

# GLOBAL PROBLEMS FACED
## BY UNSUITABLE AGRICULTURAL PRODUCTS

There is a real Global problem when it comes to food security. Countries right now are unable to produce enough food to sustain their citizens. Either through negligence, funding, poor planning, etc, Countries are failing to keep up with the demand on food supplies,

There is a real Global Problem when it comes to Food safety. WHO reports Food safety, nutrition and food security are inextricably linked,here are the main reasons for it:

- An estimated 600 million – almost 1 in 10 people in the world – fall ill after eating contaminated food and 420,000 die every year, resulting in the loss of 33 million healthy life years (DALYs).

- US$ 110 billion is lost each year in productivity and medical expenses resulting from unsafe food in low- and middle-income countries.

- Children under 5 years of age carry 40% of the foodborne disease burden, with 125 000 deaths every year.

- Foodborne diseases impede socioeconomic development by straining health care systems and harming national economies, tourism and trade.

# GLOBAL CHALLENGES AND IMPLEMENTATION OF AAI:

World's population is increasing drastically with an annual rate of 1.1% which means it will reach 9.5 Billion by 2050. With an increase in the world's population there will need to be an increased focus on food security. Currently, nations are unable to produce enough food and agricultural products to feed their populace and livestock. Countries are unable to meet the demand for food supply due to a variety of factors, including neglect, lack of money, inadequate planning, etc. By being more effective and consistent with crops, livestock, forestry, and fishing including AAI (Agricultural Artificial Intelligence) Agritech can help to deliver actual answers. The Traceability and AAI will drastically reduce losses through poor harvests. There is a real global problem when it comes to food security and safety. Countries right now can't produce enough food to sustain their citizens. Either through negligence, funding, poor planning, etc, Countries are failing to keep up with the demand on food supplies. Incorporating AAI will help to provide real solutions by being more efficient and consistent with crops. Loss and bad harvests are mitigated through the AAI. Additionally, the WHO reports over 600 million consumers suffer from tainted consumable products, over 400,000 die from severe reaction.

Our technology will provide "Seed to Sale" and "Farm to Table" real time Traceability through Blockchain. The full spectrum of the product processing is certified along the way using supplier/processor interface. This includes farmer, harvest, butcher, processing, transportation, inspection, certification, Minister of Health/Agriculture approval, delivery, retail.

All participants are rewarded with credits that have value for interfacing with the Blockchain. Consumers Globally can utilize the app to interface with every product to learn origin, genetics, provenance, harvest, processing, inspection data, certification, Health Certification. This gives every consumer confidence in the product they will be consuming and providing to their families. Additional benefits will be an immediate reduction in tainted products that lead to an enormous strain on medical facilities. And in the event of recalled or dangerous products, the identification happens in real time through the user and consumer interface with Blockchain. This Traceability Technology will work hand in hand with our Agricultural Artificial Intelligence (AAI). AAI is what we refer to as Agriculture in a box. We will develop the perfect conditions utilizing AAI for every necessary crop so communities can become self-sufficient by producing the necessary food to sustain themselves without reliance on governments and subsidies. Our AAI will be able to achieve up to 80% more yield per crop while being more efficient on utilities. Loss of crops and/or inconsistent harvest yields will be mitigated. Our model will provide the necessary environmental conditions that are required to achieve a level 4A grow anywhere in the world. This combined with Traceability Technology will open the global markets directly between growers without the need of government intervention. The market will dictate what is needed and the Blockchain community can work B2B for import and export. Consumers will be able to buy with confidence knowing that all members participating in the Blockchain have gone through a thorough certification process before the product reaches their dinner table

## EMERGING NEED FOR TRACEABILITY AND AI:

World's population is increasing drastically with an annual rate of 1.1% which means it will reach 9.5 Billion by 2050. With an increase in the world's population there will need to be an increased focus on food security. Currently, nations are unable to produce enough food and agricultural products to feed their populace and livestock. Countries are unable to meet the demand for food supply due to a variety of factors, including neglect, lack of money, inadequate planning, etc. By being more effective and consistent with crops, livestock, forestry, and fishing including AAI (Agricultural Artificial Intelligence) Agritech can help to deliver actual answers. The Traceability and AAI will drastically reduce losses through poor harvests. There is a real global problem when it comes to food security and safety. Countries right now can't produce enough food to sustain their citizens. Either through negligence, funding, poor planning, etc, Countries are failing to keep up with the demand on food supplies. Incorporating AAI will help to provide real solutions by being more efficient and consistent with crops. Loss and bad harvests are mitigated through the AAI. Additionally, the WHO reports over 600 million consumers suffer from tainted consumable products, over 400,000 die from severe reaction.

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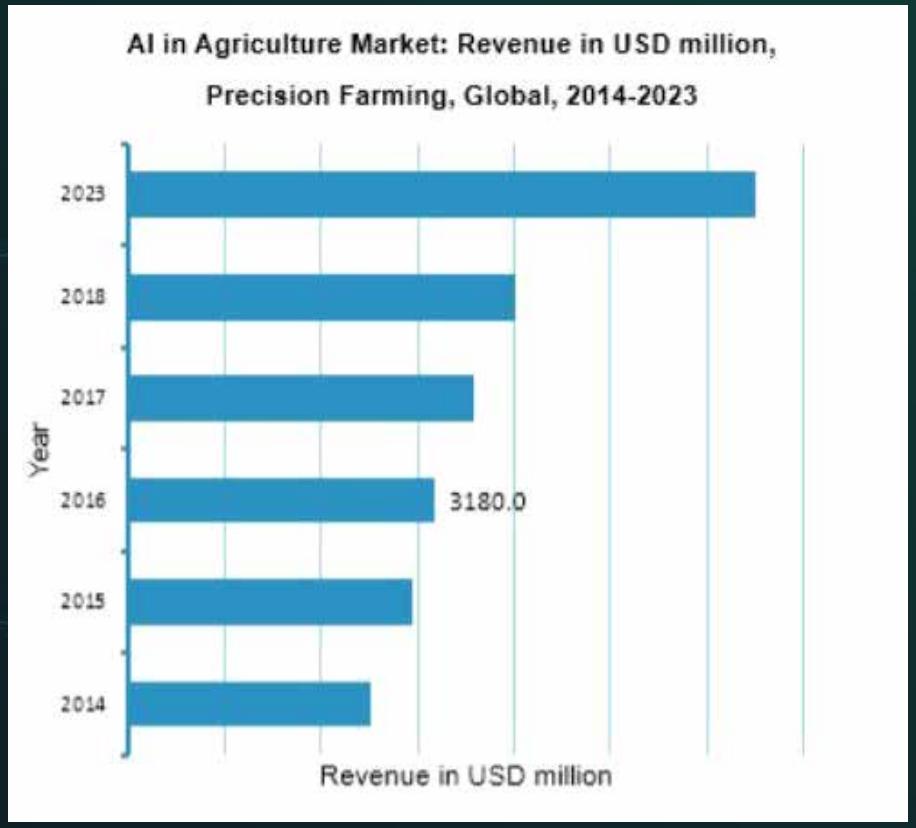
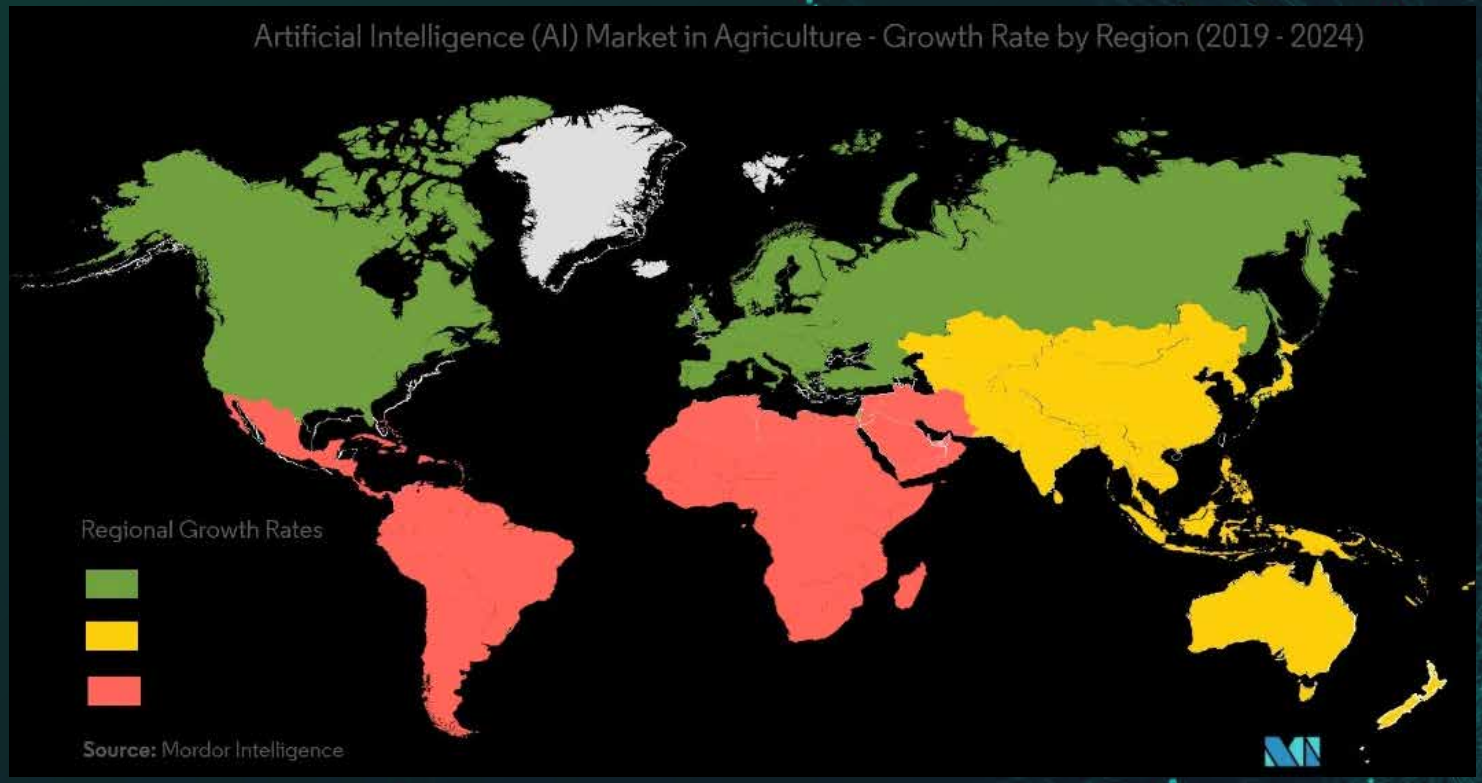



Source: (Virbahu Nandishwar Jain, 2019)




Source : (www.mordorintelligence.com, n.d.)

Additionally, AAI has the ability to meet the demands of stakeholders (public or private) and their urgent needs for information, understanding of the complexity of the systems, risks, and uncertainties, support for the development of strategies and policies, and the multi-criteria assessment of agricultural production. Artificial intelligence applications in the agricultural sector is widely spread geographically as shown below.


Agriculture security has become a necessary process affecting the farmer, livestock owners, workers, and consumers. Different new models are needed that can lay the foundation for concrete variation of solutions that can coexist.

A technological solution that can be integrated into agricultural food security and livestock can solve the issue of traceability, data storage, reliability etc. Blockchain technology being fault proof can provide good Traceability for agricultural products and their quality and quantity.

Use of AAI and traceability is beneficial for both the farmer, consumer, and company.

# BLOCKCHAIN
## SOLUTION IN AGRICULTURE

Blockchain is a trustable technology that has been highly appreciated for decentralized, peer-to-peer communication providing Traceability and data security. Agritech has integrated blockchain technology into agricultural sector where wellness products and herbs are produced and processed, livestock is managed and fed etc, making it fully secure, safe and recordable.
In today's digital era, agricultural products also produce high abundant heterogeneous data (Bellon-Maurel et al.,2018). This data is called big data and very critical and sensitive. It is highly complex as well as it contains analytics about particular products that operate at various spatiotemporal levels, therefore data is saved digitally via technology called blockchain technology. Blockchain is a widely used traceability technology that keeps track of information in the agricultural supply chain , hence making the agricultural products and procedures security assured. Blockchain technology is making Agritech capable of storing data with improved Traceability, making livestock management, farming and cultivation of agriculture products more innovative and secure while being index based (www.google.com, n.d.)

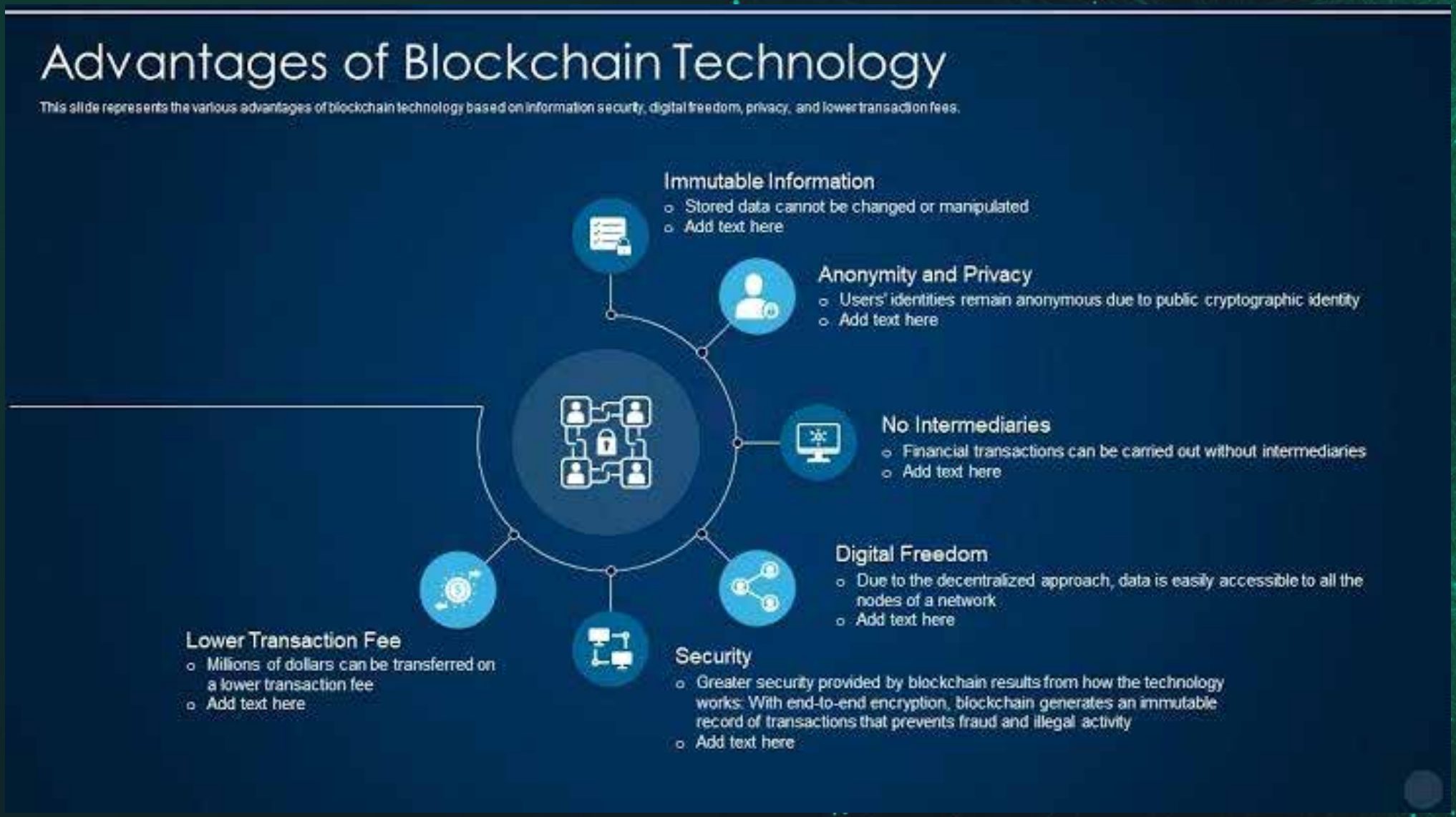
But how does it work, and how does it make agricultural products safer? As blockchain technology co- operates and co- regulates with cryptocurrency mechanisms, therefore Agritech uses Binance Smart Chain (BSC). BSC is a derivative of the most popular trading platform, giving scalability and compatibility with the Ethereum Virtual Machine for Smart Contract capabilities (EVM).

The ability to guarantee great performance despite any massive transaction volume is one of its design objectives.

Using a Proof-of-Stake (POS) Consensus Algorithm and Proof of Staked Authority (PoSA), where users stake their BNB to be validators, the Binance Smart Chain can create a new block in around 3 seconds. A transaction fee is made from the transaction if a participant offers a legitimate block. BSC employs dual-chain architecture, which is designed to facilitate asset transfers from one system to another. This allows for quick trade on Binance Chain while also enabling the development of robust, interoperable decentralized applications on BSC. Users will have access to a sizable ecosystem that supports a range of uses. Due to Binance's versatility with Smart Chain, resources from many networks may be effectively used.

At various times along the agricultural wellness products/ herbs production cycle, every piece of information about such products is recorded in blockchain transactions. These transactions are unchangeable and unforgeable.

As a result, everyone involved, from producers to consumers, sees trustworthy information on a specific agricultural product.




Source: (www.google.com, n.d.)

# PRIOR RISKS INVOLVED

With the rapid growth in digital technology and blockchain era in agricultural field has also increased some specific risks regarding meeting objectives of transformations.(Stiegler, 2015; Boullier, 2019). Few risks are discussed below.

# LOSS OF SUPREMACY:

Blockchain is very much famous and reliable nowadays but it can cause loss of supremacy. Once a mistake is done, it can not be rectified and corrected. Also it is slow, making a loss of sovereignty for the user, owner and farmer. Productions control is being lost and compromised (Bournigal, 2014).

# CYBER SECURITY VULNERABILITIES:

Cyber security is one of the most critical Risk involved in our business as it contains blockchain technology and artificial intelligence. There are always risk of attacks via such technologies (Dhar, 2021). Denial-of-service attack is most common nowadays, resulting in crashing of system. The crucial importance of our food production and consumption systems could see them becoming potential targets in the future (Gupta et al., 2020).

# LOSS OF TECHNICAL AUTONOMY:

Use of such advanced technology in agricultural use can alter what it means to be a farmer (Burton and Riley, 2018). Digitalization may bring about a shift in agriculture from “practical”, experience-based management towards a data-driven approach. It could “discipline” working routines for farmers, conditioning them through a new form of “algorithmic rationality

Agritech solving the risk factor:

# AGRITECH

## SOLVING THE RISK FACTOR:

STEPS INVOLVED IN SOLUTION

**Step 1:** Plants are grown and sown by farmers. There are people and agencies looking after and managing the livestock. They monitor if the environmental conditions and plant requirements are met at each stage of the growth of the agricultural products. Agritech will store all details via artificial intelligence and blockchain technology. Details include Lot ID, livestock info, forestry number, seed info, crop info, dispatch date etc.

**Step 2:** The processing company takes over once the plant is harvested to turn it into finished products (which could be processed or raw). Also when the fungi or waste material is utilized, the DL gathers data processing.

**Step 3:** The goal of inspectors is to make sure agricultural products and herbs like Cannabis businesses and products adhere to legislation. If all goes accepted, certification and permits are granted.

**Step 5:** Products made from certified agricultural products and other wellness products are kept in a storehouse. The DL will be updated using IoT data.

**Step 6:** TNPC ships packaged raw agricultural products buds to HEP for processing. HEP extracts chemical compounds (THC, CBD, etc.) and prepares derived products for health and wellness applications

**Step 7:** B2B buyers of TNCP herbal medicine and F&B products. Use the system to log and trace orders, deliveries, payments and certifications.

**Step 4:** DL is accountable for packaging collected. Packaging is done using certified equipment.

# Solution workflow overview

**Carrier** · Shipping company information · Conditions of the product while transporting · Logistics data

### Cannabis farmer

Farmers sow seeds and grow plants. They track the compliance of the requirements for plants and environmental conditions on each phase of cannabis plant growth

- Producer information
- Producer cannabis certificate
- Cannabis farmer permit
- Land information
- Lot ID
- Plant details
- Seed information
- Certified equipment used
- Production date
- Dispatch date

### Processing company

Once plant is harvested, processing company takes over to process into final products (may be raw or processed). The DL collects processing

- Processor information
- Processor cannabis certificate
- Cannabis product permit
- Lot ID
- Processing method
- Certified equipment used
- Recipient date
- Dispatch date

### Inspection

Inspectors are aimed at ensuring cannabis businesses and cannabis items are complying with cannabis laws

- Certificate
- Permits

### Packaging company

The DL collects packaging into accounts

- Packaging information
- Packaging cannabis certificate
- Lot ID
- Recipient date
- Dispatch date
- Certified equipment used

### Warehouse

Certified cannabis goods are stored in a warehouse. IoT data will be logged into DL

- Storage
- IoT data

### Herbal extract processor

TNPC ships packaged raw cannabis buds to HEP for processing. HEP extracts chemical compounds (THC, CBD, etc.) and prepares derived products for health and wellness applications

- Warehouse secure inbound shipment/ delivery information
- Extract process information
- QA & lab test information on serviced products
- Lot ID
- Secure outbound shipment information (back to warehouse or clinics)

### Clinic and F&B buyers

B2B buyers of TNCP herbal medicine and F&B products. Use the system to log and trace orders, deliveries, payments and certifications

- ID and license verification
- Order and batch information
- Shipment and secure delivery information
- Return
- Transactions: invoice and payment

*Additional phase, can be added **at any stage** of the production cycle*

**Ministry of Agriculture and Cooperative; Ministry of Public Health**

**Cannabis permits and certificates are issued to the final goods** by certified regulators. Information needed to certify will already exist on this step. The DL records this certification

# WHY CHOOSE AGRITECH?

Agritech will make use of its connections to obtain all 12 Narcotics Control Division Cannabis licences, including those for growing, extracting, importing, exporting, selling.. If Agritech acquires all 12 license, they will become the "Go-To" team to support and advance agriculture-related projects. There are two benefits to having each license under the Agritech team:

1. It enables Agritech to decentralize operations so we can collaborate with numerous partners in each of their areas of specialization, such as dividing growers/farmers, livestock owners, processors, importers/exporters, domestic sellers, etc.

2. Each potential business partner wouldn't have to look for funding or licenses for fields outside of their area of expertise. The Agritech team will act as the point of contact for all required process owners. Each process owner will be able to concentrate only on their area of expertise as a result. This connection would terminate any miscommunication in supply/demand, and in delivery, or negative impact on environment.

Agritech is capable of having a good partnership with different companies assuring becoming a unified platform giving good edge of blockchain technology .

**Short term goal:**
Create a modern approach to the Agricultural industry by incorporating technology and blockchain. We are in the process of incorporating leading edge technology that will revolutionize the industry.

Traceability software that will provide provenance, traceability and visibility of food-related data and transactions that helps to assure goods authenticity and origin, prevent fraud and counterfeiting for end-users. This technology will be on the Blockchain and will offer a user interface, so any person with a mobile QR reader can scan the product to obtain full history of from seed to sale.

We are developing Agricultural AI that will be a learning program capable of improving crop yields by 80% while reducing crop losses due to human or environmental conditions. This technology will be useful through the full spectrum of agriculture and provide a consistent high quality product. We think of this as “Agriculture in a box”, which we can deploy it globally in any environment and the AI will ensure the same consistent quality grow. Incorporating technology and Blockchain will create a standardized process in which the agriculture Industry can grow efficiently through strategic collaborations between the different agriculture sectors, government agencies, academia, and customers.

**Long term goal**
We are introducing our technology globally to ensure food safety and security. The WHO reports over 600 million consumers suffer from tainted consumable products annually and over 400,000 die from severe reaction. AGRITECH Traceability and AAI can significantly reduce these numbers.

**AGRITECH LAUNCHPAD:**
An AGRITECH Launchpad will be initiated which will be used to deploy new technologies for clean energy, clean water and smart infrastructure for low income and marginalized communities. By teaming up with academia and government agencies, we can utilize their outreach programs to effectively and efficiently deploy the necessary solution to in-need communities.

**Government-Level Expansion of Agritech:**
Our technology will provide “Seed to Sale” and “Farm to Table” real time Traceability through Blockchain to all over the world. The full spectrum of the product processing is certified along the way using supplier/processor interface. This includes farmer, harvest, butcher, processing, transportation, inspection, certification, Minister of Health/Agriculture approval, delivery, retail.

**Rewarding our users:**
To encourage more people to come and use Agritech application, participants will be rewarded with credits that have value for interfacing with the Blockchain. Consumers Globally can utilize the app to interface with every product to learn origin, genetics, provenance, harvest, processing, inspection data, certification, Health Certification. This gives every consumer confidence in the product they will be consuming and providing to their families.

**Global reduction in health issues:**
Tainted products lead to an enormous strain on medical facilities. Our Technology will provide immediate notification of recalled or dangerous products. The identification happens in real time through the user and consumer interface with Blockchain, immediately reducing the food related health issues worldwide and making Agritech a worldwide phenomenon!
Giving back to the community:
Revenue from Agritech projects and technology will be reinvested in local communities through local government , universities and tech - startups that are efficient and solving real environmental issues.

**Competitive features of Agritech:**
Our company has a competitive edge over other companies due to the following enlisted advanced features:

Blockchain technology: At various times along the wellness and agricultural products production cycle, every piece of information about agricultural product and livestock etc is recorded in blockchain transactions. These transactions are unchangeable and unforgeable. As a result, everyone involved, from producers to consumers, sees trustworthy information on a specific cannabis product.

Public ledger: All validated transactions are recorded in a ledger that has hashed data rows for each row. Each transaction reflects a variety of data, such as: a specific stage in the lifespan of a product, connected to the staging information associated with the purchase of agricultural products. A chain of transactions is formed between them. The public ledger can be accessed without authorization.

Automation : Smart contracts allow for the automation of transactions: when certain circumstances are met, the next step in the transaction is automatically activated, reducing the need for human intervention.

User Groups: Permissions are granted for different user groups enabling ease.

Inventory Tracking: Use our solution's simple tracking inventory capability to organize your inventory locations and make any necessary updates.

Invoicing and Sales Tracking: Using our straightforward feature, you can maintain tabs on all customer purchases and payments.

Standard Operating Procedures: We employ common supply chain operations and take into account all significant facets of the wellness products market.

Reporting: To give users insights into their transactions, the system creates reports that are human readable from a variety of data sources.

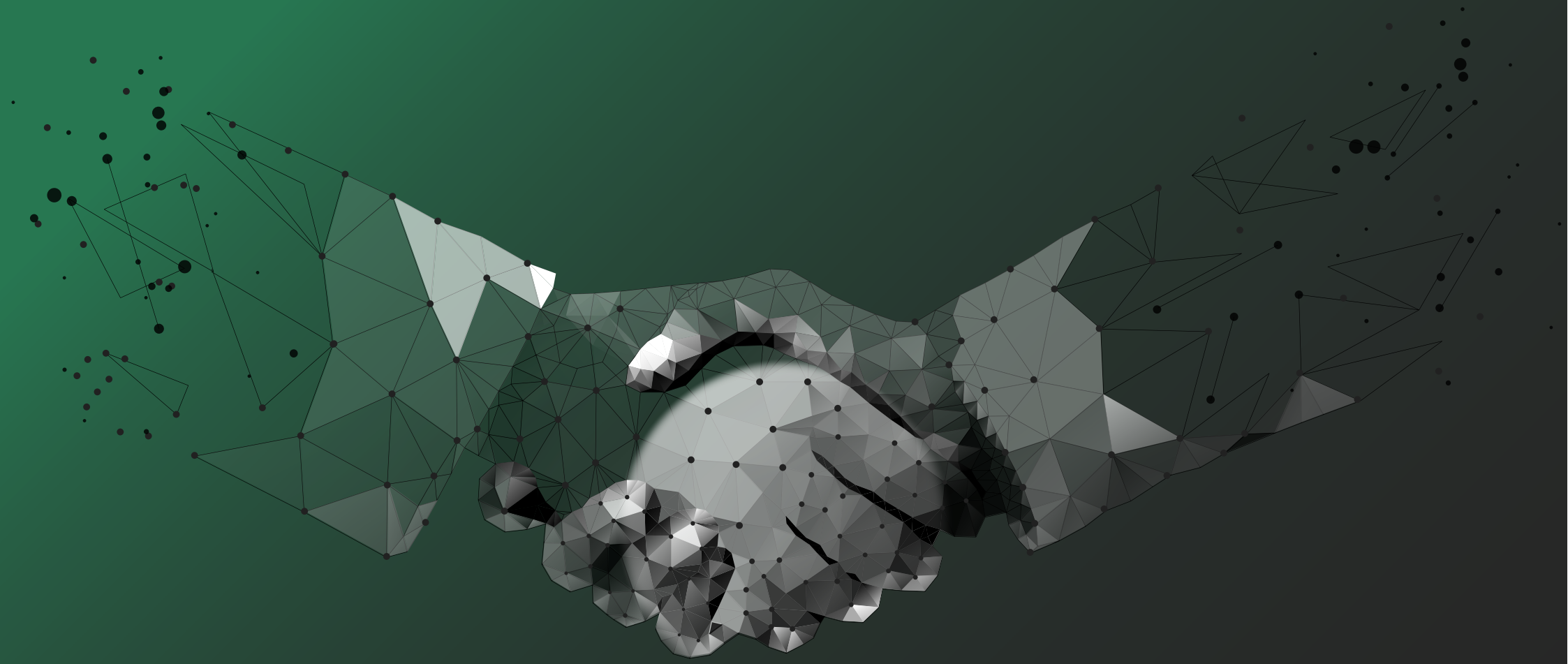
Website and Mobile access: By providing access to data via website and mobile, data functionality has been made easier and reliable.

QR code scanning and label printing: Scan the QR code with a visual or electronic scanner. As a result, all users have access to products-related information, including farmer-provided growing conditions, transit requirements, and information on the requisite cannabis certificates. Also, labels can be printed ( QR CODES) for different procedures of supply chain.

Recommendations for the crop, livestock : The best crop and livestock may be obtained by farmers with artificial intelligence. Temperature, humidity, and other environmental indicators are gathered, analyzed, and recommendations and crop projections are made using the solution.

Internet of things and automatic notifications: The system compiles environmental state indicators automatically (temperature, humidity, etc.).The blockchain contains a copy of this data. Also, when predetermined conditions are satisfied (such as when a shipment is finished or a quality assurance test is successful, for example), users automatically receive notifications.

Attractive UI/UX design : We provide an attractive and user friendly UI/UX design.



# GOVERNMENT - LEVEL PARTNERSHIP IN THAILAND

Board of Investment Thailand: In close collaboration with the BOI, Agritech will assure that investments in Thailand are seamless, concentrated in the areas that are most in need of funding, and maximize the benefits for both Thailand and Agritech.

Ministry of Finance: With regard to any investments made in Thailand, Agritech will collaborate with the ministry of finance to ensure that funds are used wisely and that income from private-public partnerships is used to best promote the goals of the government and the community.

Electricity Generating Authority of Thailand (EGAT): Agritech and EGAT will collaborate closely to secure the authorizations and license required to help our clients develop energy solutions. Additionally, we'll work together to find investment opportunities in energy development that will help Agritech as well as Thailand.

**Ministry of Agriculture:** Before making any investments in farmer involvement, agricultural products production or cultivation, or water treatment initiatives, Agritech will consult with the Ministry closely and ask for advice. Before investments are finished, the company will make sure that all projects have prior coordination, coordination from the ministry, permissions, licenses, concessions, etc., and approval. To make sure funding and work are used as effectively as possible, proposals will be submitted to/coordinated with the ministry.

**Ministry of Labour:** Every project's training and labour engagement will be coordinated by Agritech with the ministry. Despite the fact that project investments come from sources other than Credit Facilities, the authorized Bank of Record, still all labour, Tier 1 EPC, and Accountant of Record will originate in the neighborhood. For any project, Agritech does not outsource or import workers. These community-based initiatives will be developed by Thais, for Thais.

# STRATEGIC,
## BRAND AND RESORT PARTNERS:

Our strategic partners share the revenue and work model with Agritech, They will implement usage of our main native token AGT in their eco-system. We grow together with our partners.

**AGROW Family:** Our grow facility partner responsible for overseeing quality of agriculture products. Our 8,000sm facility allows a wide range of grow and testing capability.

**Terra Acupuncture and Herbs:** Traditional Chinese Medicine providers responsible for licensing our Partner Resorts

**CoinW:** Tier 2 Centralized Listing Exchange

**Digifinex:** Tier 2 Centralized Listing Exchange

**APM:** Marketing and Social Media Content managers

**CryptoCup:** Marketing and strategic launch partner

**ZMQ:** CEX Market Maker stabilizing daily token activity

**ScienceSoft:** Software Development company assisting in our Traceability and AI Program

# BRAND PARTNERS INCLUDES

## RESORTS AND LEISURE

**RAKKUN.STORE:** Agritech's/CannaWell cannabis Wellness Brand and e-Commerce Store. It serves as the Brand partner for incoming international brands. California artists and brands will team up with Rakkun/CannaWell to grow their medical grade cannabis in the AGRITECH grow facilities and place their products in the Rakkun/CannaWell stores and Resorts. Rakkun will sign 400 retail partners by 2025.

**Lavender Boys**

**• Kushlife •Moonrocks • Lavender House**

**Surf & Sand Resort**

**GH Cannabis Café**

**The Barbers Tale**

**Highbis420 Lampang & Highbis420 Chiangrai**

## MORE ARE YET TO COME..!

# OUR PRODUCTS:












# FUTURE POTENTIAL CUSTOMERS FOR AGRITECH AROUND THE GLOBE

Future Potential customers for Agritech around the globe

**The following is a list of Customers that should benefit and utilize the agricultural extracts, isolates, and distillates:**

1. Manufacturers of food, beverages, drugs, dietary supplements, herbal products, cosmetics, animal feed
2. Practitioners of medicine / Thai traditional medicine / applied Thai traditional medicine / folk healers
3. Hospital operators
4. Public companies listed on the Stock Exchange of Thailand are:

a. TACC, beverage manufacturer and all cafe product (with CBD)
b. TIPCO, manufacturer of CBD-infused food and beverages
c. MALEE, manufacturer of CBD-infused beverages
d. CBG, manufacturer of energy drink "Carabao Dang" (with CBD)
e. ICHI, manufacturer of terpene and CBD beverages
f. SAPPE, manufacturer of terpene and CBD beverages
g. OSP, manufacturer of CBD-infused beverages
h. PTG, a distributor of cannabis-infused beverages and confectionery, and CBD
i. MINT, the operator of Coffee club, launches Cannabis Espresso product
j. TKN, a candy maker associated with cannabis
k. TU, producer of canned tuna with hemp oil and CBD
l. XO, manufacturer of cannabis seasonings
m. GLOCON, producer of hemp oil and CBD food and beverages.

# AGRITECH LABS

AGRICULTURE MEETS BLOCKCHAIN

Agritech Labs serve as our research and analysis department equipped for experimental study in agricultural bi-products. Its sole function is to develop and study best practices for deployment in the field. More specifically, it's a place providing opportunity for experimentation in field of Agriculture, observation, practice and results.

# OUR TEAM:

We are a dedicated team of 20+ full-time members who work on developing and marketing ,blockchain developers, backend programmers, digital marketing experts and more. Agritech is our passion. We make sure the integerity and trust of our users remain intact for that we work 24/7. We believe blockchain is the future of agriculture. The founding team consists of the following individuals:

## CEO: Robert Ramos

Agritech Project Founder and CEO of R2 Holdings Pt. Ltd. Robert is a 22-year retired Air Force Contracting Officer and has delivered many successful technologies and government-based projects across the globe. Robert has also done advisory work in the blockchain and crypto space for the past 5 years. Robert's biggest success was the sale of his multimillion-dollar unmanned robotics vehicle technology

## CTO: Ricardo Michela

Full Stack Developer, and has been with R2 Holdings Pt. Ltd from inception. Ricardo has an engineering background and skilled in developing financial plans across multiple business verticals including most recently the blockchain and crypto space.

## DBO: Harold McThay, Jr

Director of Business Operations: Harold is a Veteran of the United States Air Force, having served in Transportation, is a Microsoft Certified Systems Engineer with 10+ years of experience as the COO for a Japanese Owned Company based in Thailand. Harold has 15+ years experience in international logistics and is certified in international contract negotiations. With an in-depth experience in supply side economics, Harold is a brilliant addition to management. Harold is fluent in both English and the Japanese language

## Director Business Development: Sorinee Chimsawat

Graduate of Institute of International Studies (IIS-RU), Ramkhamhaeng University with Bachelor of Art in Mass Communication; Major in Radio & Television; 1st Class Honor Graduated (Magna Cum Laude); Class President; Extensive experience as Resort Project Management and Social Media Project Management; Fluent in Thai & English both written and spoken; Proficient in Microsoft Office Productspast 5 years. Robert's biggest success was the sale of his multimillion-dollar unmanned robotics vehicle technology

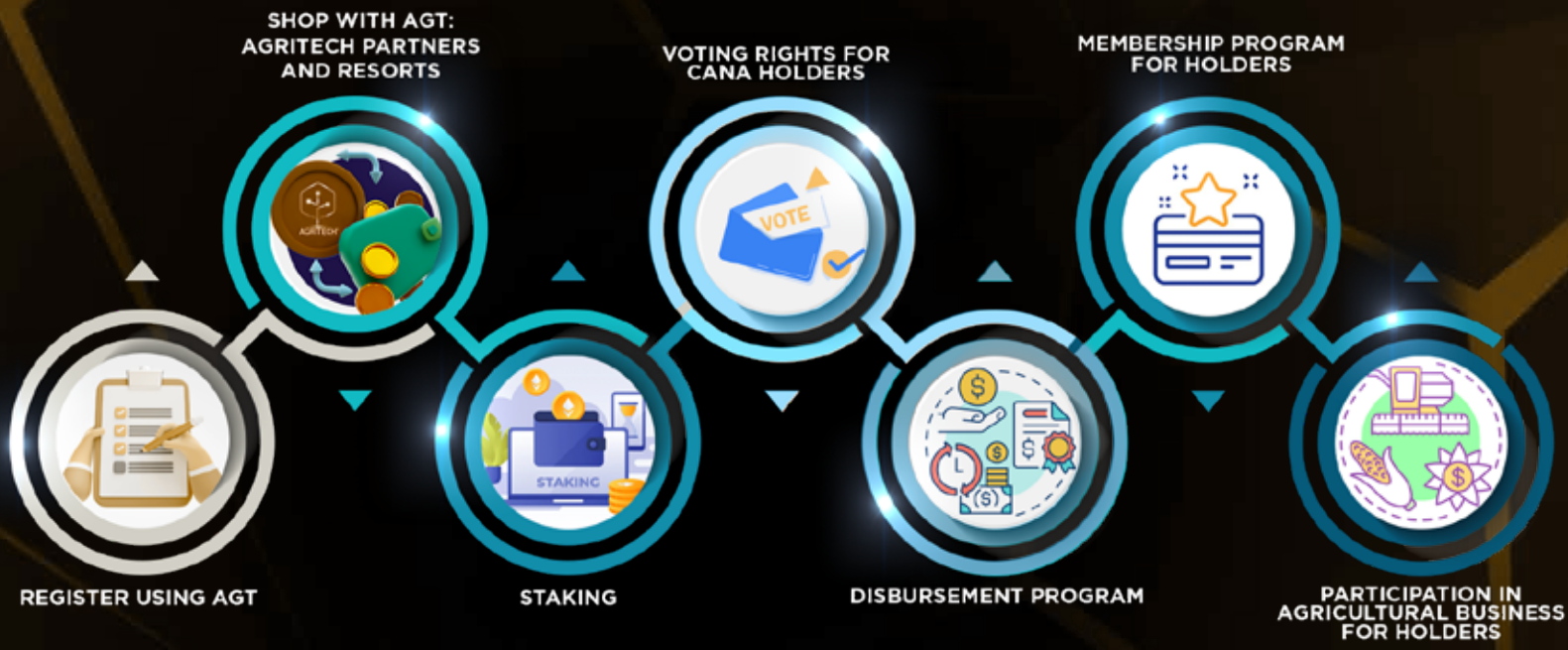
## Karen Segi: Program Manager for Infrastructure Projects

Karen Segi is a certified project management professional, having over 20 years of experience in specializing Information technology and knowledge management at U.S government.

## Johnny Marines: East Coast Regional Launchpad Director

Johnny Marines has over 20 years Management and Business Development expertise covering a large spectrum of the Entertainment and Retail industry. His unique ability to identify and facilitate synergies between organizations has resulted in a staggering number of successful projects. His selfless dedication to his community has resulted in countless individuals achieving success through his philanthropy initiatives. He is strategically placed between government agencies and community leaders to effect meaningful change. His extensive network of like minded business professionals make him an invaluable member of any team.


AGT TOKEN
AGRITECH®
AGRICULTURE MEETS BLOCKCHAIN




Holders of AGT Tokens will be able to use the Token as a Utility Token for any product and services offered within the company's ecosystem/partners. The management team will allocate a portion of the net income from Sales and services geared around giving token holders staking benefits. The recipient of Agritech money will enter into an equity or profit-sharing agreement, which will allow AGT Token holders to participate in their financial success. Funding recipients will use the AGT Token to provide staking rewards for Token holders as well as loan repayments and profit share payments to the Agritech Fund.

Cana token will be valued according to market pricing and traded on centralized and/or decentralized exchanges. Our objective is to increase the use of the Agritech token throughout the world starting from Thailand , and to increase the value and level of collaborations throughout.

For completion, correctness, thoroughness, and immutability, we use blockchain technology to record transactions. We also choose Binance Smart Chain as our main component.

# AGT TOKEN UTILITIES:

**Pay listing Fee Using AGT**

The Traceability program will require farmers, wholesalers, and retailers to pay a listing fee using AGT Token to list their products and services. Other service providers that interface with the Program will receive credits paid in AGT. Additionally, there will be transaction fees charged by AGRITECH for each service transaction. The farmers, wholesalers, retailers listing fee should be sufficient to cover all transaction fees.

**Shop with** AGT

All domestic and international customers will be able to use AGT to pay for products, merchandise, services, at all dispensaries, shops, resorts and events. As our strategic partners and brand partners increase globally, so will the utility of the AGT Token.

**Staking**

The process of locking your tokens for a specified time and Return on Investment (ROI). AGRITECH has implemented an aggressive Staking Program with a high yield APR via DAO mainnet. Staking rewards will be tied to all revenue sources under AGRITECH. As Revenue increases, so will the ROI. Let's stake the AGT now!

**Voting Rights For The Holders**

We believe in the phrase 'our investors are our partners', hence, our investors, via voting, will decide what's best for the future of the organization. AGT token holders will participate by voting on our DAO main-net.

**Non-Fungible Tokens:**

Also Blockchain technology is used by Non-Fungible Tokens (NFT), a sort of cryptocurrency, to verify asset ownership. Currently, it is common practice with digital assets for each token to have distinctive qualities akin to collectibles.

Each NFT Token's exclusivity can be described as being Unique, Rare, and Indivisible.

The AGT NFT Token is designed to be used as an exclusionary product to represent remarkable events, such as the introduction of a new cannabis strain, a new sustainable energy program, or game-changing partnerships, among other things. The value of the token will be commensurate with its scarcity and noteworthy purpose or accomplishment.

**Non-Fungible Tokens:**

We take a participant-centric approach to design this tokenomics, the approach focuses on the value around the network participants rather than the token holders.
The participant-centric systems will lead to more sustainable networks with stronger flywheel effects.
This Tokenomics encourages all of Agritech’s participants to be co-owners of the protocol. The more tokens the participant owns, the more they benefit from participating in the protocol.

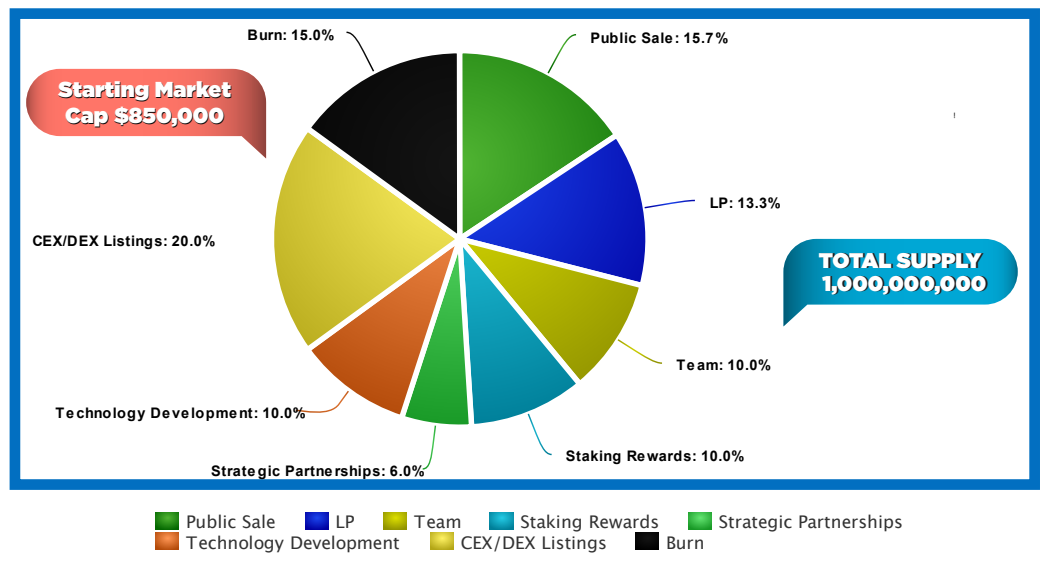
**Participation in AGRITECH business for AGT holders:**

AGT holders can participate in new projects such as smart farming, infrastructure, renewable energy and other agriculture related projects. AGT holders that participate in the optional projects can share revenue and equity.

**Membership Program:**

AGT Holders can participate in our exclusive member program where they will benefit with interesting deals to our Partners, collaborators, leisure resorts etc.

**Token allocations :**
The initial allocation of the total supply of AGT are as follows




**Token Allocation:**

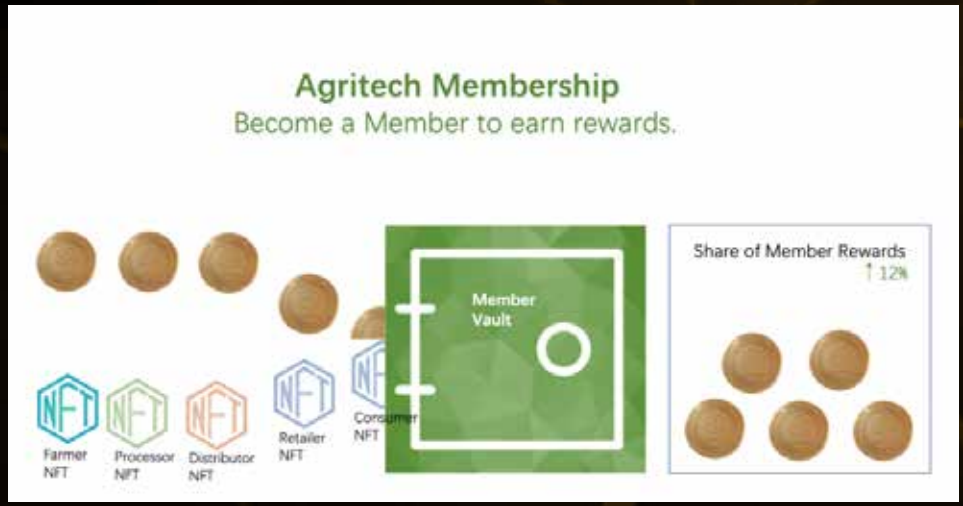
- Public sale 15.7%
- LP 13.3%
- Team 10%
- Staking Rewards 10%
- Strategic Partnerships 6%
- Technology Development 10%
- CEX/DEX Listings 20%
- Burn 15.0%

- **Total Supply 1,000,000,000**
- **Starting Market Cap $850,000**

**The pie chart shows the relative proportion of eight token utilities for Agritech: public sale, private sale, team, advisor, partnership, marketing, CEX and staking rewards.**

**Agritech Revenue**
10% of the sale revenue of the agriculture end-product from the Agritech ecosystem will be taken as Agritech revenue. The revenue will be used to buy back AGT tokens from the secondary market and then deposit these AGT tokens into Agritech Treasury.

**AGRITECH Membership Program**




**We have designed a mechanism to encourage people to participate in the Agritech ecosystem and to buy-and-hold AGT tokens.**

**Token allocations :**
People can join Membership Vault as an active Agritech member to upgrade their Agritech participation and support Agritech's growth and expansion. Membership is designed to empower Agritech members to support the protocol's growth while increasing their participation.
Become an Agritech Member
There are only two requirements to participate in Agritech Membership:

**1.** Being a Farmer , Processor, Distributor, Retailer, or Consumer in Agritech ecosystem(represented by an active Farmer, Processor, Distributor, Retailer, or Consumer NFT)

**2. Holding AGT,**
To become a Member, one only needs to lock their NFTs, plus AGT, into the Membership Vault in the Agritech.
To optimize the yields you can receive, balanced is best: matching the dollar value of the AGT and assets your NFT tracks will balance the vault ratio and increase your potential Member Reward yield.

You can withdraw your deposited assets from the vault at any time. However, if you withdraw your assets from the vault before the end of a reward cycle (weekly), you will forfeit any Member Rewards accumulated during that cycle.
Member Rewards

Member Rewards are a form of yield enhancement to further align and incentivize Agritech participants' interest in the long-term success of the protocol.

Member Rewards come from an earmarked percentage of Agritech's Treasury, and are paid pro-rata to Members—meaning that the higher the percentage of the Membership Vault's assets one supplied during a reward cycle, the higher percentage of Member Rewards one will receive for that cycle.

Member Rewards are distributed monthly in AGT. Rewards must be claimed manually, can then be staked to receive additional AGT rewards, and then can be deposited to the Membership Vault alongside NFT, increasing one's interest in the Membership Vault to receive additional Member Rewards.
Member Rewards calculation

The Member Rewards share calculation is a governance-controlled parameter that determines the optimal share of Capital and AGT for maximizing rewards in Membership Vaults.

Encouraging Investors to hold AGT will help to increase community participation as well as further aligning and incentivizing the Agritech community's interest in the long-term success of the protocol.

**Members Staking**
If the AGT token holders have access to buy agriculture end-products from the Agritech ecosystem, then they can buy Agritech products and receive Consumer NFTs. Deposit their Consumer NFTs, plus AGT token to Member Vault, receive yield enhancements via Member Rewards

# ROADMAP

## Stage 1:

- Creating Agritech Concept,
- Testing solution/ model technology on-ground,
- Creation and publishing of whitepaper,
- Company website launching,
- AGT token deployment,
- Working partners Collaboration,
- Initial marketing strategies,
- Registration and certification in Thailand.

## Stage 2:

- Private Sale,
- Pinksale presale,
- Tier 1 Centralized Exchange listing,
- Pancakeswap Launch,
- App beta testing,
- Application Alpha release,
- Staking

## Stage 3:

- More CEX Listings,
- Finding the bug rewards,
- Release of Agritech NFTs,
- Reaching out to more countries for collaboration,
- Major adoption of previous stages,
- Government level marketing strategies and implementation.

## Stage 4:

- Exponential user growth worldwide,
- Collaboration with farmers circle worldwide,
- Global penetration of Agritech,
- Addressing the agricultural safety and increasing more user base worldwide
- More Events,partnerships etc

# FREQUENTLY ASKED QUESTIONS

## What is Agritech?

Answer: Agritech combines Traceability Technology, Blockchain, Agriculture Artificial Intelligence (AAI) and Decentralized Finance (DEFI). The deployment of AGRITECH ensures a sustainable and scaleable smart farming model where there is consistency in efficiency and quality.

## What can you actually do on an Agritech platform?

Answer: Agritech will implement its successfully tested AI and Traceability technology with the help of Blockchain to ensure the quality and preservation of Agriculture products , using the enlisted methods:

Traceability: Agritech will implement a system in which fruits, vegetables, livestock, and other consumable products can be traced from the farm to the buyer through a mobile user interface. This interface provides consumers with confidence the products they are purchasing and consuming are accurately labeled and certified.

Accountability: We have integrated a strict and transparent accountability process via AAI in which agricultural product bio-data can be traced via application. Tainted or hazardous products will be marked as un-healthy and unsafe for use, hence, building trust and confidence in our certified products.

a sustainable and scaleable smart farming model where there is consistency in efficiency and quality.

**Scalability :** We grow in real time with the market. Agritech is designed to process thousands of entries per second made by farmers, processors, transportation, retail stores, consumers, etc, making it the most advanced and sustainable agricultural traceability program available.

**Decentralized:** As the data is decentralized and immutable, everything stored by farmers, processors, transportation, retail stores, consumers, etc is saved on blockchain, hence all data saved becomes unalterable, ensuring all certified AGRITECH products are above reproach.

## What countries is Agritech available in?

**Answer:** Thailand currently serves as our use case study. We are in discussions with USA (New York Office of Cannabis Management), Indonesia, and Ghana. We will begin global expansion in May 2023

## Who can use Agritech?

Answer: Anyone who uses agricultural products can use Agritech to trace the product family-tree and bio-data, this includes farmers/merchants, wholesalers/retailers, Inspection/certification, consumers, etc. and anyone who wants or requires specific information regarding product quality, certifications, handling, shipping etc.

## Does Agritech have a native token?

Answer: Yes, our native token is AGT on Binance Smart Chain. The AGT Token serves primarily as a Utility token within the AGRITECH ecosystem. The ICO will be held on PinkSale.Finance 6 - 10 February 2023 then listing on CoinW CEX 11 February 2023

## Do investors have security protection?

Answer: AGRITECH's native token is certified and audited by pinksale.finance authorized auditor cfg.ninja and all funds are locked up for a total of 36 months on PinkSale.

## Do token holders have voting rights?

Answer: Yes, we do have voting rights, please check use case section for more information.

## Is Agritech a registered company?

Answer: Yes, we are a government registered Entity in Singapore under Registration: 201619210M

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