



Y O T T A
L a b o r a t o r i e s

White Paper

Version 3.1

Blockchain Edge Technology

“The best way to predict your future is to create it, and our aim is to create tomorrow’s technology TODAY.”

Gary Spence
CEO Yotta Laboratories

CONTENTS

1.0 Abstract	4
2.0 Letter from the CEO	7
3.0 Executive Summary	8
4.0 Introduction	9
5.0 Yotta Eco-System Divisions	10
6.0 USP	18
7.0 Structure	19
8.0 Future Developments	20
9.0 Token Offering	21
10.0 Timeline	22
11.0 Route to Market	24
12.0 Executive Team	25
13.0 Looking Forward	28
14.0 LEGAL NOTICE	29

Disclaimer

Due to unforeseen circumstances, the goals described in this white paper may change. YEdge Token is not securities and does not represent an official or legally binding investment. YEdge Token is not for speculation and does not assert the right of intellectual property or other property or cash flow. YEdge Token does not grant the right to participate in the YEdge Token Project Team, nor does it affect the decision on corporate assets and strategies.

Disclaimer

PLEASE READ THIS DISCLAIMER SECTION CAREFULLY. IF YOU ARE IN ANY DOUBT AS TO THE ACTION YOU SHOULD TAKE, YOU SHOULD CONSULT YOUR LEGAL, FINANCIAL, TAX, OR OTHER PROFESSIONAL ADVISOR(S).

The information set forth below may not be exhaustive and does not imply any elements of a contractual relationship. While we make every effort to ensure that any material in this whitepaper is accurate and up to date, such as products, services, technical architecture, token distribution, company timelines - such material could be subject to change without notice and in no way constitutes a binding agreement or the provision of professional advice.

Yotta Laboratories does not guarantee, and accepts no legal liability whatsoever arising from, or connected to, the accuracy, reliability, currency, or completeness of any material contained in this whitepaper. Potential YEdge Token holders should seek appropriate independent professional advice prior to relying on, or entering into any commitment or transaction based on, material published in this whitepaper, which material is purely published for reference purposes alone. YEdge Tokens will not be intended to constitute securities in any jurisdiction.

This whitepaper does not constitute a prospectus or offer document of any sort and is not intended to constitute an offer of securities or a solicitation for investment in securities in any jurisdiction. Yotta Laboratories does not provide any opinion on any advice to purchase, sell, or otherwise transact with YEdge Tokens and the fact of presentation of this whitepaper shall not form the basis of, or be relied upon in connection with, any contract or investment decision. No person is bound to enter into any contract or binding legal commitment in relation to the sale and purchase of YEdge Tokens, and no cryptocurrency or other form of payment is to be accepted on the basis of this whitepaper.



1.0 Abstract

Thank you for taking the time to read the YEdge Token Whitepaper. This paper is the result of collaboration between professors, PhD data scientists, engineers, developers, visionaries and business advisors from the world over.

Yotta Laboratories is a technology company which specialises in Distributed Ledger Technology (DLT)- commonly known as Blockchain, Artificial Intelligence (AI), Machine Learning (ML), the Internet of Things (IoT), Smart Contracts (SC), Smart Cities and Digital Banking.

This whitepaper sets out how we can use our technology on a global scale for the benefit of all industry and sectors and how we will initially concentrate on developing the existing six years of research into marketable products,

Today's society is hampered by legacy systems and a fearful mindset of change. This leads to 'more of the same' with no real thought process given to how more leaner, greener and efficient systems can provide significant benefits to future-proof the next generation of technology.

Yotta Laboratories solution is two-fold:

Firstly, through the YEdge Token which will be a utility token used to transfer value among YEdge Network participants and can be used as the sole currency within the Yotta Network eco-system.

Secondly, through the research and development we have undertaken in new emerging technologies of Web 3.0 The research now provides the opportunity to take our R&D to market through our platform and the products and services we have developed.

The Global opportunity is immense. We have an extensive network of Government authorities through the work we have been doing with the UK Government's Department of Industry and Trade and the Ambassador/High Commission network.

Yotta Laboratories are well placed to take advantage of the opportunities now available in a global marketplace which is now starting to realise the benefits of how technology can not only improve lives, but also have a positive impact on the environment.

Blockchain has been evaluated as 'new core technology to change the world' after the invention of the Internet and it has risen as a leader of the fourth industrial revolution. Blockchain is a technology that enables P2P trade to procure reliability without an authorized third party by all nodes sharing identical trade information in real-time. Differentiated reliability can be retained through blockchain technology in various industries such as finance, manufacture and distribution, and public service. It is expected that creating new value is available by brokerage commission reduction as well.

The most highly utilized industry among various business fields is finance, that is, the transfer and payment service market. While overseas remittance using SWIFT usually takes 2 to 3 days currently, if you use blockchain-based cryptocurrency, it only takes around 30 minutes to complete the transfer. Furthermore, the time required for cryptocurrency transactions gradually reduces with technology development.

As above, reduction of remittance time and payment fee with cryptocurrency are available. However, there are some problems to resolve for introducing cryptocurrency actively. It can be difficult for users to accept cryptocurrency due to price fluctuation and complicated payment methods even if cryptocurrency is introduced to the real economy. To prove blockchain's value and to introduce & utilize cryptocurrency-based finance service actively, we need a new service model that is different from the legacy model.



YOTTA

LIMITLESS FUTURES

The fourth industrial revolution and banking industry

“Banking is necessary, banks are not.” The remark from Bill Gates in 1994 becomes the conversation topic. The fourth industrial revolution, which super-connected and super-intelligent is happening in every industry, is creating a data-driven economy. This makes a change in the data-based financial business. ‘Fintech’, which is a new financial technology service, emerged in every industry such as a legacy bank, stock, insurance, card company and made existing financial services disappear and now a new type of system is on its way to settle.

Fintech and differentiation of financial business

Due to the growth of the fintech industry, the financial service business is differentiated. The duty of the legacy financial company can now be carried by financial company and fintech company. To be specific, the range of legacy financial business’s service is changing in payment, insurance, savings and loan, funding, investment management, market infrastructure, and new fintech company is replacing it. The functional unbundling of financial business is expected to be intensified. It will reduce the effect of scale and scope economy and weaken earnings foundation such as loan-deposit margin and payment related fees.

Functional unbundling of financial service

The biggest field that blockchain is creating in a new system is “payment and transfer”. In the meantime, fintech service is already replacing a lot of parts, “asset management field” is expected to develop focusing on collaboration between financial and fintech company’s and to differentiate market targeting different customer base. In the “savings and loan” field, the importance of a legacy bank’s function and role is expected to be maintained. The area that would be replaced slowest is “digital asset”, as a currency. This is because it is predicted that it will not grow up to the level to replacing existing currency and payment method. High price fluctuation, low scalability, risk of theft or loss by hacking remains unresolved.

Fintech and blockchain

The biggest function of the blockchain is the reduction of arbitrator. Blockchain reduces and replaces the role of arbitrator in digital asset trade, and it is evaluated as influential technology that can solve the problem of commission due to mediator, corruption, financial engagement, information monopoly, security. Blockchain is widely used as a generic technology of cryptocurrency that is issued by private enterprise, and digital currency issued by a financial company and central bank. Also, many projects are ongoing in multiple industries, which requires transaction information process focusing on global financial company and IT company and in financial service, overseas remittance, fund transfer, stock issue, etc.

2.0 Letter from the CEO

Dear Reader,

Thank you for taking the time to research Yotta Laboratories and read our Whitepaper. This has been a culmination of hard work and dedication from all of the team here at Yotta Laboratories and we would like to proudly share our vision with you all.

Many years ago, I had a vision and a passion to develop new emerging technologies, I have worked long hours whilst managing expectations and multitasking in order to satisfy tight deadlines. Despite such experiences, nothing had prepared me for the challenge of growing Yotta Laboratories from the ground up. I could not have done this without the support of my team and my family. Working side by side, we have selected the finest individuals to join our team to become, what we now know as Yotta Laboratories.

Our team is a unique one: a perfect blend of professors, PhD data scientists, engineers, developers and visionaries from the world over. We have many different nationalities representing us, each bringing with them their own personal views and experiences from their respective countries.

The Yotta Laboratories team have the drive and commitment to improve the environment for those who need it most - EVERYONE.

Our mission is to develop a world leading development company who specialises in new emerging technologies.

The world is changing at a rapid pace and technology is leading the way forward. The Covid-19 pandemic has shown us just how fragile our daily lives have become, the work life balances have been re-addressed and once the pandemic is over, people will be using more and more technology in both their homes and offices. Global communication via online platforms will increase and travelling to meetings will be limited to essential requirements. Security is the key to online platforms and we design all our systems with security as the base, not as an addition.

It has been an amazing journey so far, and we are fortunate to have such strong support from the community who have helped to drive us onwards in developing this platform. We are only at the beginning and I truly believe the most exciting times lie ahead. Please continue to follow and support us here at Yotta Laboratories, so that we can truly make a difference to everyone's lives.

Best wishes,

Gary Spence
Yotta Laboratories CEO and Founder

3.0 Executive summary

Yotta Laboratories is a technology company which specialises in Distributed Ledger Technology (DLT)- commonly known as Blockchain, Artificial Intelligence (AI), Machine Learning (ML), the Internet of Things (IoT), Smart Contracts (SC) and Smart Cities.

Most people know the technology Yotta has developed as blockchain. We were involved in leading the research on blockchain long before it became a buzz word. Distributed Ledger Technology to us is the future. We have written hundreds of thousands of words on the subject, spent countless hours debating and researching with university professors on its usefulness.

Yotta Laboratories is a multi-vertical company which has made significant developments over the last 12 months to allow us to focus on the opportunity to cover all aspects of company offerings which we can now clearly define across 4 Divisions. These divisions collectively are the Yotta Eco-System and are stand-alone business opportunities, but collectively, provide an unprecedented opportunity to combine aspects of each division into unique products and services.

1. Distributed Ledger Technology 2. Yotta Card Digital Banking 3. Solar Power 4. Tokenisation

Example developments include, but not limited to;

- Decentralised data storage through the Yotta3 eco-system based around Edge technology;
- Yotta Card Digital Banking;
- Blockchain applications;
- Agreement with Provincial government to develop a digital zakat system;
- A private medical company looking to engage our services to develop a system to eliminate fraud;
- 2 patented products ready to take to market.

Never before, in light of the current Covid-19 pandemic, has a Token launch been so right and we believe this will provide the opportunity to quickly raise the necessary finance to put our plans into operation.

In summary the plan will see the company expand its operations in the UK, Singapore, Thailand and India, and establish offices in other strategic locations. At the outset our data scientists will concentrate on developing the existing Zakat project, Yotta Digital Banking and creating MVP from our existing R&D.

We are issuing 1Bn tokens, to be known as **YEdge Tokens** which will be initially distributed at a rate of 1 token to \$0.30 USD at the equivalent in BNB and/or BTC. These will be offered to the public through an approved Exchange. The **YEdge Tokens** will be used as a utility token on the Yotta Network Eco-system.

More details on the Initial Listing can be found on page 21.

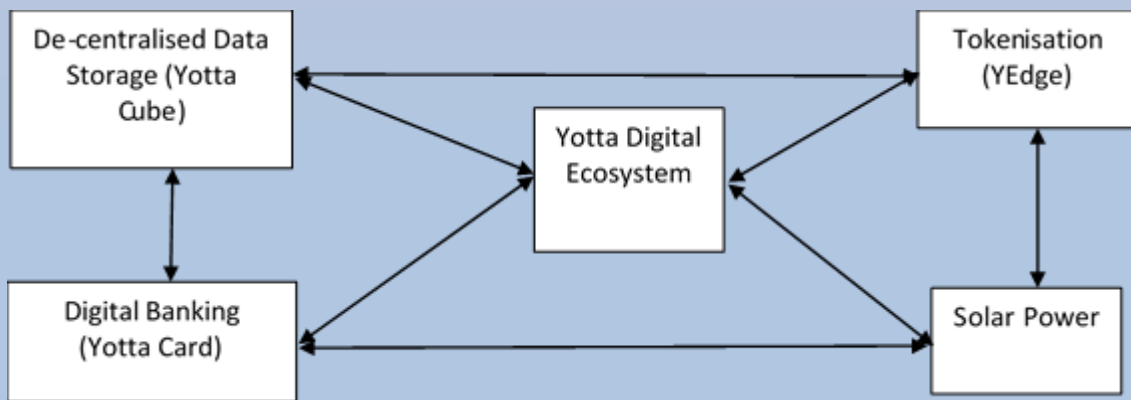
4.0 Introduction

Yotta Laboratories have developed a technological ecosystem which is set to revolutionise the way corporations, businesses and individuals operate.

For the last 6+ years Yotta Laboratories have deliberately been operating in stealth mode using £2.5 million of self-investment to concentrate on research and development of new and emerging technology. We are now ready to go to market and providing the opportunity for investors to benefit from the R&D we have undertaken. The company established an entity in Singapore in 2019 and the next stage in the development is to bring investors and partners onboard and expand our operations in global strategic locations.

Yotta Laboratories is a multi-vertical company with the company offerings defined across 4 Divisions, collectively named the Yotta Eco-System.

1. Distributed Ledger Technology/De-Centralised Data Storage (Yotta Cube)
2. Digital Banking (Yotta Card)
3. Solar Power
4. Tokenisation (YEdge)



The ecosystem facilitates decentralized storage and can incorporate Digital Banking, Solar Power and tokenization. The data can be stored in a safe and secure manner using sharding and encryption, but what is truly revolutionary is how Yotta3 can scale rapidly and replace the traditional data centre model.

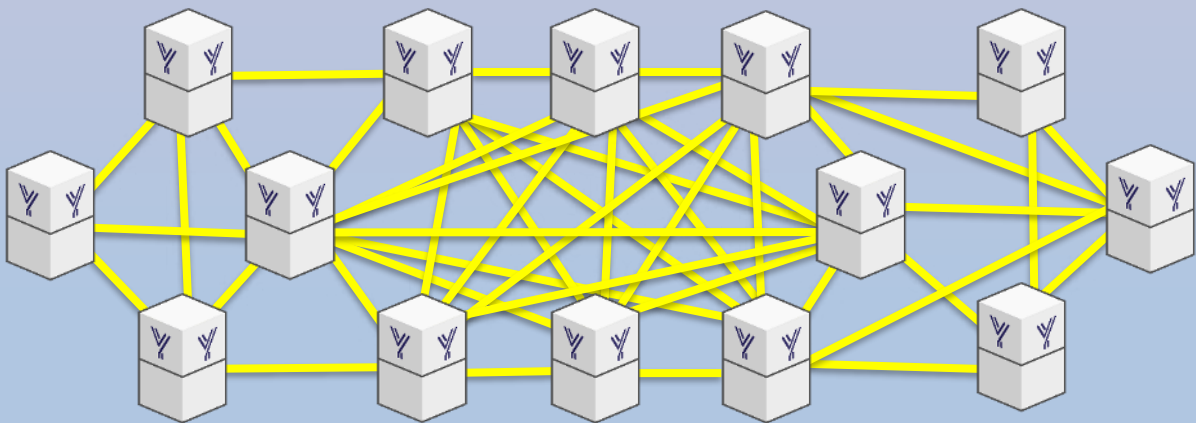
The investment will provide the opportunity to formalise our UK base which will oversee all research & development, and to establish further development centres in South East Asia. The proposal is that the initial overseas centre will be in Thailand and has recently come into our plans due to the connections we have developed with the United Kingdom Government’s Department of International Trade, British Embassy, British Chambers of Commerce and the Board of Investment Thailand. This is due to the quality of the top end engineers, some at quantum computing level, and the cost effectiveness of engaging people in the country. It is of particular importance to know that a proportion of the income generated will always be directed into the Yotta research laboratories across all Yotta R&D centres to ensure the company remains at the forefront of this cutting-edge technology.

5.0 Yotta Eco-System Divisions

5.1 Distributed Ledger Technology/De-Centralised Data Storage

The Yotta³ ecosystem facilitates decentralized storage. Clients will have files in multiple locations and multiple copies unlike Dropbox, AWS, One Drive, Google Drive and iCloud whose cloud-based data storage systems use large data centres to store all the data. These are expensive to build, and especially to maintain, due to the cost of the air conditioning systems required to reduce the heat from the data servers. The data is also stored in single document format which means data is at risk if the systems are hacked.

The Yotta³ solution addresses all these issues. A network of Yotta³ are placed in secure locations and are all inter-connected.



As a collective network, the data storage capacity exceeds those of existing data centres and if we need more storage capacity, we just add more Yotta³ to the network. Compared to traditional data centres, the build costs are significantly reduced, and the maintenance costs are virtually non-existent as there is no requirement for expensive air conditioning systems. Very important aspects to know about the **Cube network are energy efficient and have environmentally friendly capabilities** and will have a significant impact on addressing the global concerns on climate change. **75% less OPEX for application management, 50% less operational costs, 80% more space efficient, up to 89% more energy efficient.**

Cube networks can be sold to individual companies to host their existing and future data, to host Yotta bespoke applications and to host Yotta products.

Yotta³ has the potential to become the world's largest decentralized data storage system with high speed connectivity and the ability to scale immediately in a cost-effective way with data secured using the highest encryption currently available, meeting tomorrows standards TODAY.

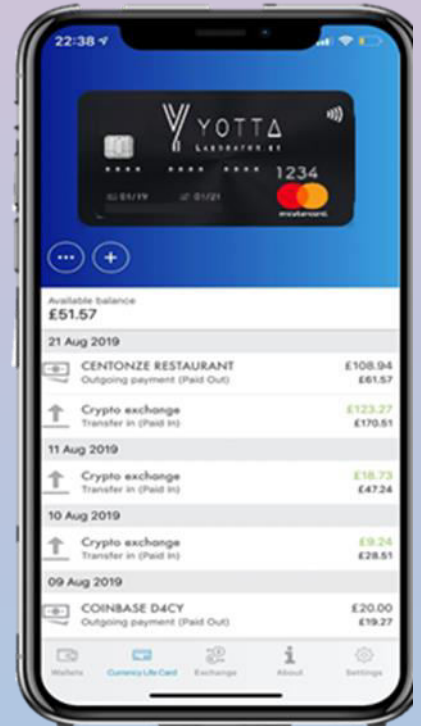
5.0 Yotta Eco-System Divisions

5.2 Yotta Card Digital Banking

Yotta Card – This is a Digital Banking Solution that allows transfer of FIAT and crypto across the Globe without incurring transfer fees. It also allows users who are currently unbanked to have a pre-paid VISA or Mastercard backed card. The card can be used in any store which accepts VISA or Mastercard payments and can also be used for cash withdrawal from ATM's. Q4 2021 will see the card also being Mastercard approved doubling the number of stores in which it can be used. As a stand-alone product Yotta Card will be a direct competitor to other similar type pre-payment cards including for example, Revolut and PayTM.

Yotta Card, in different guises, is an integral part of many of our bespoke client solutions including the West Java Zakat project.

Yotta Card is a ground-breaking product of which we aim to be a global leader in digital money solutions for individuals and businesses. Our payment platform pioneered the seamless integration of crypto and traditional currencies to support multi-currency accounts, currency transfers and exchange services.



The company plan to have a global footprint for the Yotta Card with a goal of over 2 million registered users by the end 2022.

Yotta Card is built on state-of-the-art technology to make the future of digital payments a reality, today. To realise this goal and facilitate the everyday management of both digital and traditional currencies, Yotta Card integrates traditional banking infrastructure with cryptocurrency blockchains. This provides a trusted and cost-effective service for digital money transactions which is relevant for both today's payment environment and the token economy of the future.

By building a solid foundation for scalable and secure services in a regulated environment, Yotta Card will be the key platform for digital payments in the near future, including merchant payments, cross-border currency exchanges/transfers and machine-to-machine (M2M) micro transactions. Most importantly, Yotta Card will be available to everyone – from everyday consumers to businesses of all sizes and addressing the 1.7 billion people currently unbanked.

Yotta Card will allow users to convert and spend cryptocurrencies instantly in day-to-day life. The platform will provide unrestricted access to OTC and interbank rates for crypto and traditional currency exchanges. Unlike some other financial institutions and payment platforms, Yotta Card doesn't limit access to the best market rates to those who can afford excessive minimum order amounts. Our goal of bridging the gap between traditional and digital money,

Yotta Card Vision

YEdge (see Tokenisation), the Yotta Card platform native token, is a universal based token extensively used within and outside the Yotta Card Digital Banking platform, representing a universal fee and reward unit. It is designed to benefit our growing B2C and B2B user communities, help our customers save on fees and let them access unique financial rewards if they maintain the required balances of YEdge.

As great believers in blockchain technology and a cashless society, we have a digital banking platform that can address the limitations of conventional financial institutions by exploiting technological breakthroughs. Our focus is on facilitating the adoption of the token economy by creating solutions for the most relevant use cases. Having analysed the current status of the blockchain-based financial services segment, we have ascertained that only one fully-formed industry cohort exists, represented by several established crypto exchanges/trading platforms.

Out of dozens of exchanges operating on the market, a few command significantly higher transaction volume. Their success, in our view, can be attributed to robust technical infrastructure, clean user interfaces and a wide selection of currency pairs for trading. Some of these exchanges, such as Huobi and Binance, prefer transacting solely within crypto ecosystem, whilst others like Coinbase and Bitstamp strive to combine crypto and fiat functionality. In short, the crypto trading/exchange market is well-developed and competitive.

Crypto-based financial services that lie outside the trading and exchange vertical are less developed. When it comes to payments, insurance, lending, asset management and so on, there are no recognisable winners.

Although currency exchange is a very important part of our business model at Yotta Card, our main focus targets blockchain-based, payment-related use cases. The over-saturated trading vertical is not a priority for us.

Yotta Card Business for all types of businesses that enables the management of both digital and fiat funds on one borderless platform, with multi-currency IBANs and blockchain wallets.

Our vision for the future of the token economy correlates with a real trend towards technological mass adoption. Given our focus on payments, we strive to offer the best-in-class platform for individual customers and businesses alike.

There are blockchain payment use cases, including M2M payments, micropayments and the global digitalisation of assets, that cannot be fully realised today. Our aim is to continue developing practical solutions for our customers, both businesses and consumers, with a view to becoming the go-to platform in the payment environment of the future.

Decentralized Finance Development

The Future Without Banks

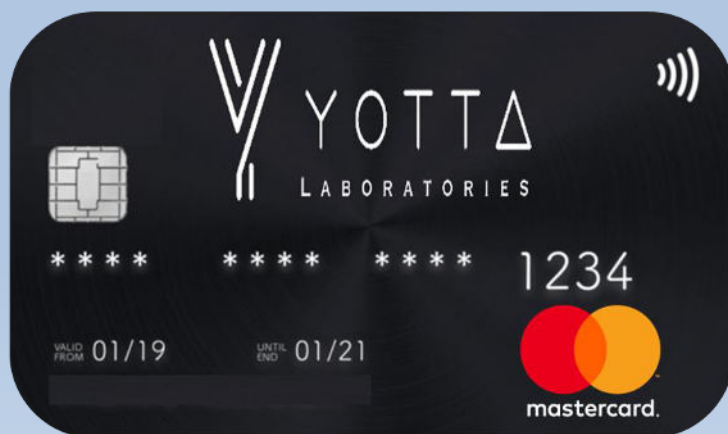
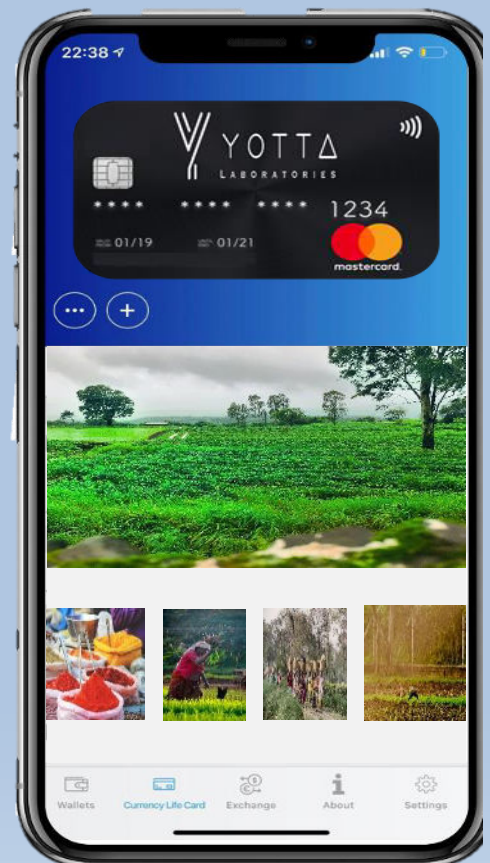
DeFi represents an open financial environment wherein anyone can join, trade and earn interest without the dependency over a centralized entity such as banks. Yotta Card helps you embrace the power of decentralized finance token development and build secure, outcome-oriented and lasting business models.

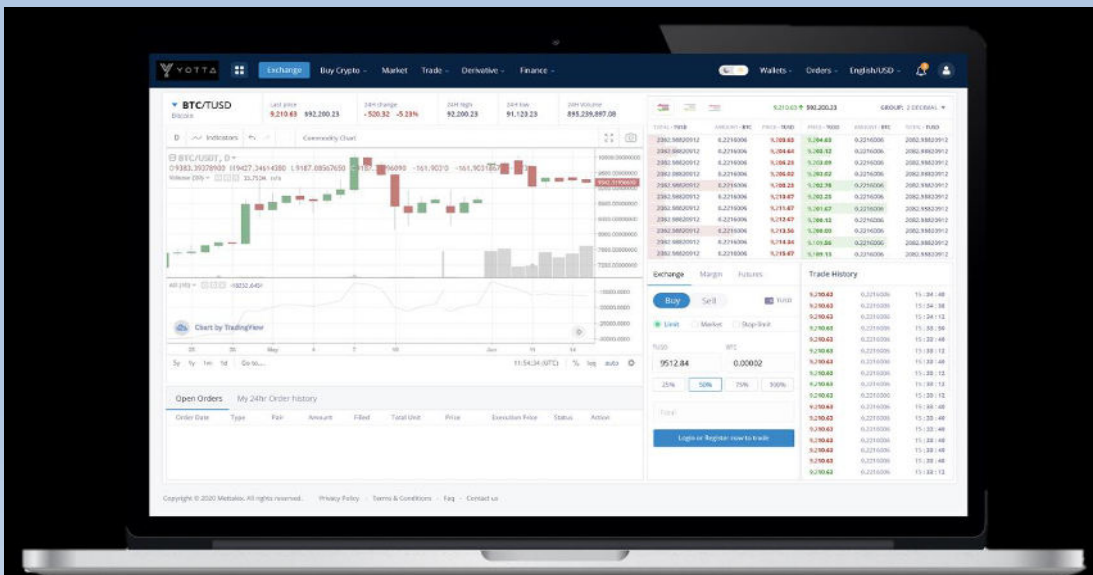
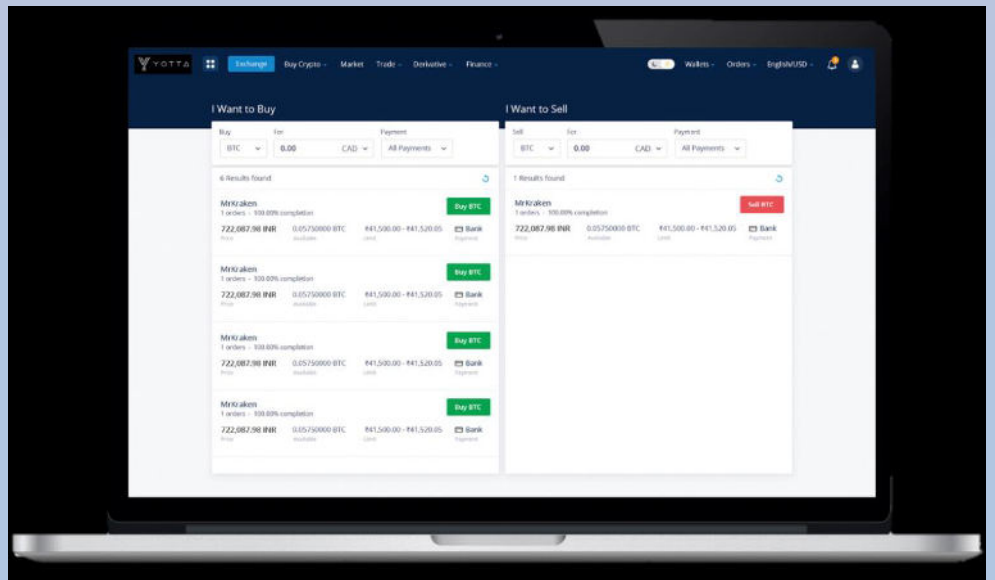
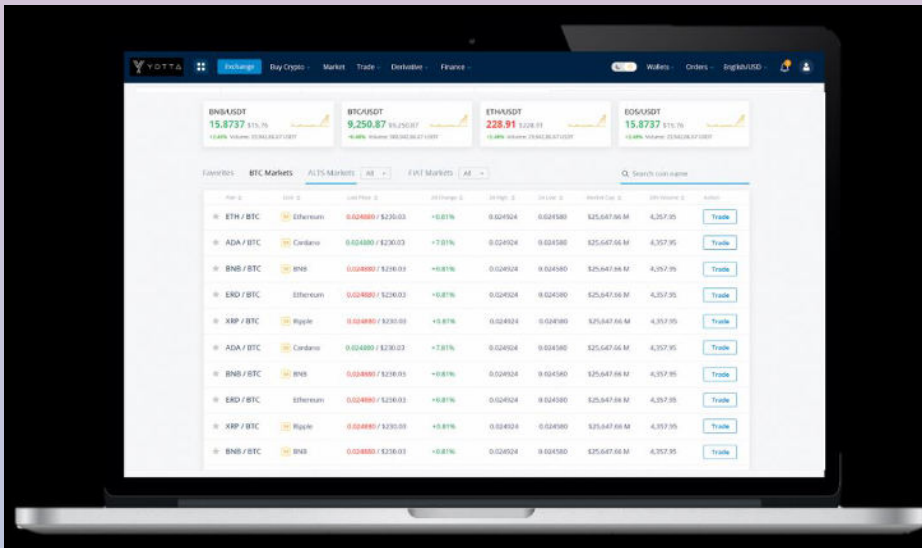
Yotta Card Exchange (YCE) – Digital exchange to facilitate the purchase and sale of digital vouchers.

Yotta Card Wallet (YCW) – Digital wallet to allow storage and transfer of financial assets between users. Can be currency, digital vouchers, tokenomics or a mix of all three.

Yotta Exchange/Wallet/Smart Card

- Exchange
- Wallet
- Digital Voucher System





KYC and AML

Geography-based KYC/AML comes into effect for user identity verification when it comes to withdrawing a big number of cryptocurrencies from the exchange's hot wallet.

Multi-Language Support

We offer multi-language support to and increase our global reach. The system's UI provides the best UX for the left to right and right to left languages.

Advanced Chart Tools

Our exchange facilitates a graphical trading experience with advanced charting functionality, enabling your users to view orders, positions, and annotate to their trading strategy.

Referral and Reward Program

The diligently crafted referral and reward program module allows seamless distribution of rewards or incentives to users.

Bot Trading

The intelligent bot integrated into our exchange capitalizes on the market opportunities and trades assets round-the-clock, even when your users are not available for trading.

Staking

Allow users to stake their crypto assets to earn lucrative staking rewards on top of their crypto holdings and grow them further by compounding their future rewards.

1.7 Billion people in the world are currently unbanked



Time to Change the world of Finance for the un-banked



Yotta will produce a stable coin which is pegged to U.S. dollar. It is a global currency, but not tied to any central bank and has low volatility. The size of stablecoin market currently is close to \$3 billion, which is 2.7% of the total market value of all crypto assets.

At Yotta, we help you tap into the billion-dollar stable coin market with our strategically designed stable coin development services. Our global team of stablecoin development experts provide a host of offerings – Zakat for the collection of funds, Unbanked rural farmers of India, Charity tokens for the transparency of donations however, there's thousands of use cases that a digital stable coin can add true value.



No Volatility

Stablecoins are backed by real-world securities owing to which their price remains relatively unaltered. This helps businesses to sustain in the ever-changing monetary values.



Liquidity

Assets with liquidity forge a path for secure and accelerated fundraising. In a scenario when the price increases, more stablecoins are minted to control the stability.



Widespread Integration

Being immune to volatility, stablecoins enjoy mainstream adoption and widespread acceptance by crypto exchanges. They can be easily traded at various exchanges worldwide.



Transparent Transactions

Being immune to volatility, stablecoins enjoy mainstream adoption and widespread acceptance by crypto exchanges. They can be easily traded at various exchanges worldwide.

5.0 Yotta Eco-System Divisions

5.3 Solar Power

Currently, energy is primarily produced by large, centralized energy-plant rendering through Non-renewable Energy Sources (NRESs). The use of centralized energy plants run by NRESs causes energy losses during power transmission and environmental degradation. The high penetration of Renewable Energy Sources (RESs) into the power system reduces the environmental crisis and the energy losses as energy is generated close to where it is consumed. A solution to centralized energy generation is the introduction of Distributed Energy Resources (DERs). DER increases the overall cost savings for the customer, allows consumers to control their power, and reduces gas emissions by shifting from NRES to DRES.

The evolving blockchain technology brings new potential for decentralized network designs and provides transparent and user-friendly frameworks. It creates opportunities for energy users to be involved in making choices about who supplies their energy and the technologies used to generate it.

The opportunity to use solar as a power source will have a significant positive impact on CO₂, electricity costs and efficiency and therefore solar power/energy needs to be major consideration in any technology eco-system.

The company plans to develop decentralised solar farms which will allow it to generate its own energy and sell excess back to the grid. As a stand-alone system this will allow the company to reduce its operating costs and also generate income. However, as part of the Yotta eco-system it has huge potential, this includes the opportunity to power Yotta Cubes and other Yotta eco-system products and services the company develops.

6.0 USP

Yotta's competitive ability is defined in the following areas:

- There is no need for a Hyperscale Data Centre due to its small footprint, delivering same capacity to the market. Reduces cost of capital expenditure and operational cost;
- Low energy requirement and the ability to use renewable energy sources. Y³'s deployment is therefore not dependent of grid connectivity;
- Able to offer Cloud computing at significantly reduced pricing compared to the competitor due to the efficiency;
- Offer infrastructure as a service on a pay as you use basis. No capital expenditure compared to other OEM providers;
- The deployment of the Y³ can be scalable, avoiding the large initial capital outlay of the hyper scale cloud.

Yotta has introduced significant innovation in the manner of constructing the cloud-computing stack. This however does not change the sellable product encased in the concept of Infrastructure as a Service. The packaging of the solution offering as "IT as Energy" does align with major trends in the market and the company has been able to obtain letters of interest to underscore the potential demand and to launch the first phase of the deployment.

Yotta has taken the approach of providing the infrastructure instead of supply hardware to the industry. This has created an opportunity to sell capacity to existing cloud service providers instead of competing.

The innovation to making the cloud-computing stack is proprietary to Yotta as they have moved to a software-based platform. This makes Yotta one of the leading firms in this space and will give the benefit of a first entrant as well as create a platform for improvement, always staying ahead of competition.

7.0 Structure

The Yotta Laboratories Head Office and main R&D centre is currently UK based. Consideration needs to be given to moving this to a more strategic location to take advantage of Government grants and incentives.

A company has already been established in Singapore to take advantage of the opportunities presented through a number of trade missions facilitated through the UK Government's Department for International Trade.

India has always been seen as an important location. We have many high-profile contacts and some of the best engineers and developers come through their education system. It is the intention for both Singapore and India to be subsidiaries of the UK company and all three locations to host R&D centres. Each location will serve as the hub for business development/marketing activities.

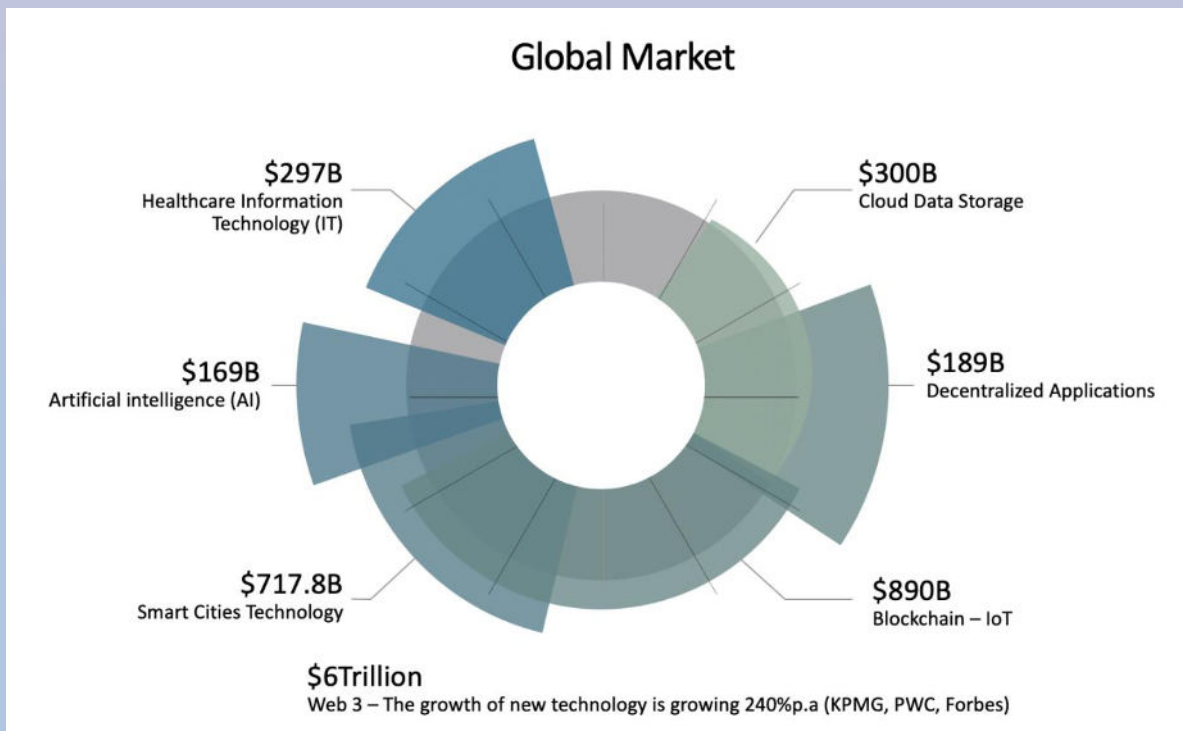
Connections have also been developed in other parts of the World and establishing a presence in strategic locations will provide the opportunity to develop these connections and the business opportunities currently identified.



- **Dubai/Abu Dhabi/Doha** – MENA region (The complexity of the region may require more than one centre but for the purposes of this business plan we assume one)
- **Tokyo** – Far Eastern region
- **Melbourne** – Australasia region
- **Toronto** – Canada/ North America region

8.0 Future Developments

The Global opportunity is immense. Once our locations become established we fully expect customers to come to us, especially Government authorities through the work and discussions we have been having with the UK DIT and the Ambassador/High Commission network. The vision is to expand on a global basis and establish business development/marketing offices in additional Countries. This expansion needs to be phased and the first phase of expansion would be in the main strategic locations, for example additional offices in India and in the ASEAN region.



Mark Zuckerberg, Jeff Bezos, Bill Gates and Steve Jobs all once started with a pitch to investors. This is our time to develop not just a company but a place in history and to build a global company on the same magnitude as Facebook, Amazon, Microsoft or Apple. The rapid growth of technology that's making people healthier and greener is now, and with AI and deep learning the cure for diseases and life changing medication is just an algorithm away.

9.0 Token Offering

Yotta Laboratories Initial Listing will be a capped sale raising \$100 million (100,000,000) equivalent of BNB and/or BTC with whitelisted contribution caps. Yotta Laboratories will be issuing 1Bn (1,000,000,000) BEP20 tokens, called YEdge Tokens to develop its researched products and expand its development on a global basis.

These tokens will be offered through the Initial Listing to allow participants to purchase YEdge Tokens early as well as contribute and support the further development of Yotta Laboratories. Starting in Q1 2022, participants will have the ability to contribute and receive YEdge Tokens in exchange for their BNB and/or BTC.

At the Initial Listing YEdge Tokens will be listed at an exchange rate of 1 token = \$0.30 equivalent in BNB.

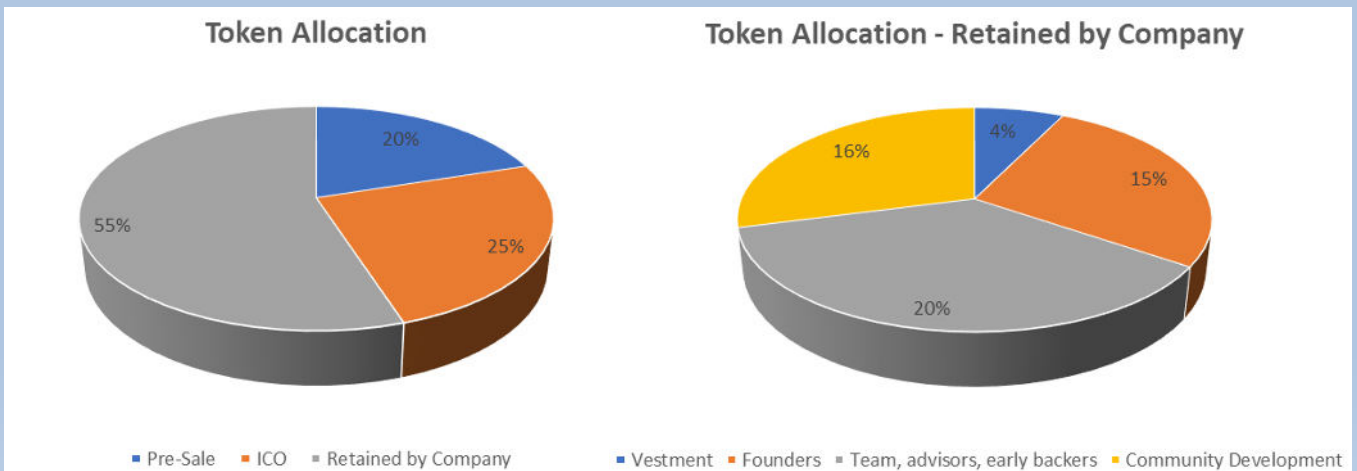
1Bn tokens issued

Of these 1Bn tokens...

- 20% will be offered in the pre-sale
- 25% will be offered in the listing
- 55% will be retained by the company, team, advisors, founders and future employees

Within this 55%...

- 2% vests over 2 years
- 2% vests over 4 years
- Founders: 15%
- Team, advisors, early backers: 20%
- 16% will be retained by the company for community development. Yotta Laboratories will use these tokens to help grow an ecosystem on its blockchain through an education academy and to build a Foundation to unlock the possibility inside every individual. This will vest over 4 years.



10.0 Timelines

10.1 Yotta Laboratories to date

The Story So Far

Over six years ago the CEO of Yotta Labs, Gary Spence, started to solve a problem of data security and data provenance. After many years of designing systems for the supply chain industry Gary initially set out to design a system that allowed everyone in the supply chain a clear and transparent ledger system.

He called his first research 'field to fork'. This set out his first vision and, due to the research findings, he also established that many other processes could also benefit from a distributed ledger system. He researched the way data was stored and designed a whole new revolutionary system of which he calls Yotta Cube (named Yotta³).

Yotta³ enables the data to be stored in a safe and secure manner using sharding and encryption, but what is truly revolutionary is how Yotta³ can scale at a rapid rate due to the fact that a traditional data centre is not required.

Gary then continued to research and design another 150 use cases which each having the potential to make a life changing impact around the world.

Gary brought in the expertise of Prof. Elhadj Benkhelifa and the two data scientists have worked to develop and test his vision and have enhanced the products to what we have ready to develop today.

Many thousands of hours of research have been applied including high level of research from PhD. and Post Doctorate research and he is now opening the opportunity to take his vision to the wider market.

Yotta is a true ecosystem of which enables many applications to be applied with the added benefit of blockchain technology and smart contracts.

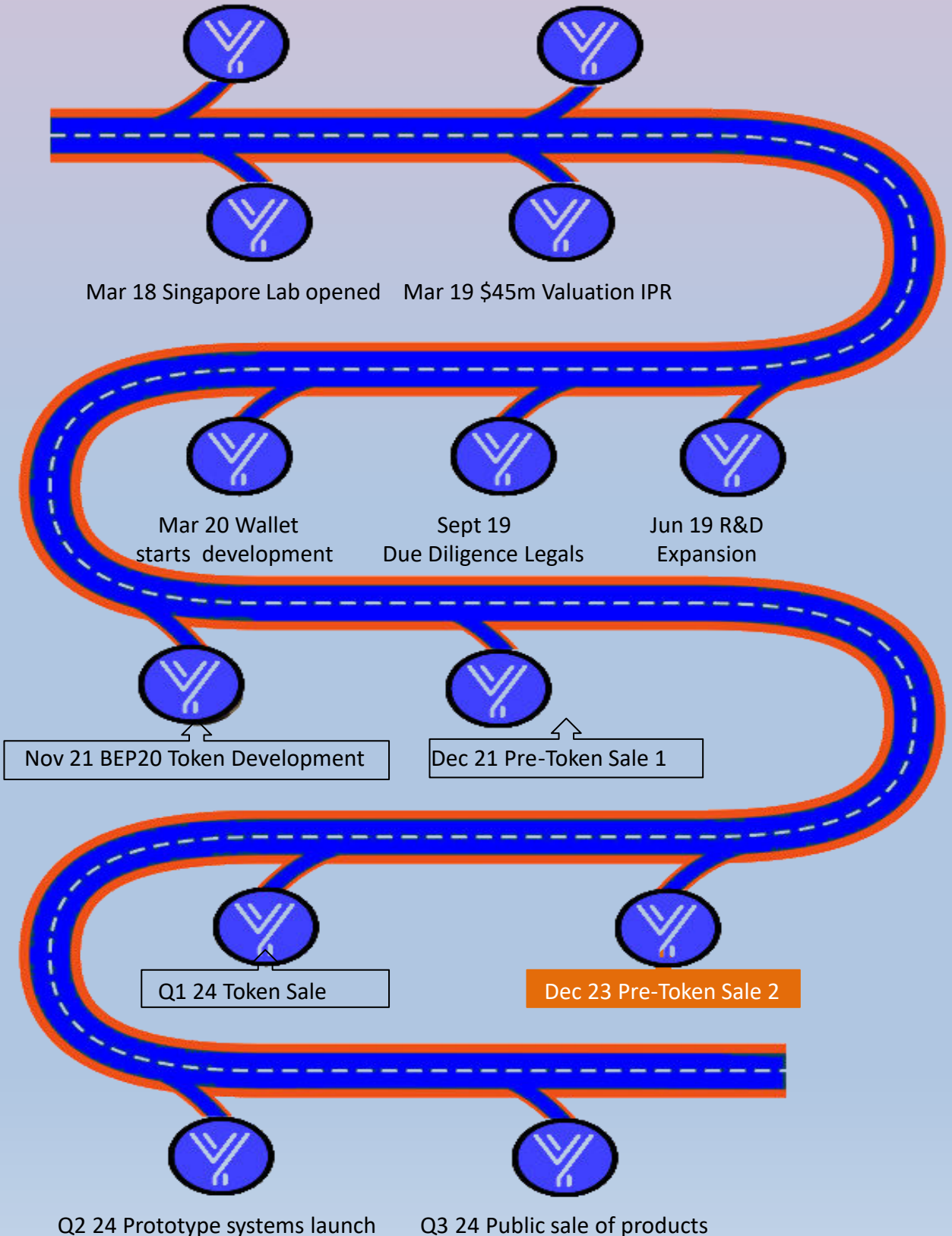
If you ask Gary to explain what blockchain he is will give you one simple explanation;
"A data storage system of which has no delete option, therefore it provides an incorruptible proof of provenance that has the potential to change the way everyone stores data electronically."

10.0 Timelines

10.2 Roadmap

R&D Start \$2.5m investment

Aug 18 Investment process started



11.0 Route to market

In addition to the opportunities already referenced, Yotta has been promoting its services on a global basis through attending events in Malaysia, Singapore, Australia and Spain. These have been supported by UK DIT and CEO Gary Spence has been a keynote speaker at the Singapore and Spain events. This had led to significant interest in Yotta's services from Government organisations, global corporates and SME's. Therefore, we believe we will be in a position to have a number of 'quick wins' once the initial tranche of funding is secured.

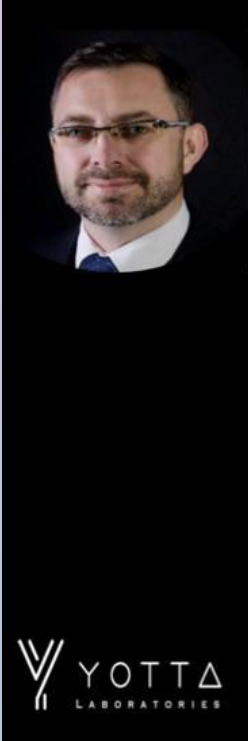
The opportunities referenced have been achieved through the dedication of our location-based staff. The Token launch will allow us expand this network and support and the business then has the potential to grow rapidly.

We are aiming to grow exponentially, and we intend to:

- Directly address any pricing risk by offering a value service
- Offer a proactive compliant service, rather than a passive service
- Give truly compelling proposals to clients
- Be a game changer and leading light within the industry
- Using our simplified production processes, offer value services and better compliance for maximum customer impact
- Directly address the product by offering new products with exciting subjects and content alongside older type for mature markets, interactive compliance which are not available elsewhere
- We will continue to encourage self-expression and proactive content to add to the thousand already available, and will also earn profits by extending the services for those who need them but at lower than usual market costs
- Yotta³ can be used as a platform operating system and therefore have Dapps (Blockchain applications) added to it and built into the ecosystem.

The Yotta Laboratories robust technology and low-cost base allows the company to efficiently produce scale. The marketing plan will combine traditional media channels and social media to reach the target audience. The traditional media channels will be used to develop awareness. The social media channels will be used to encourage interaction and develop viral and feedback loops. There will be national and international coverage, but more local sales. The local marketing will allow for a consolidated network of customers. Referrals will form a large part of the marketing scope.

12.0 Executive Team



Mr Gary Spence
Chief Executive Officer / Founder

Gary is a Chief Architect of Distributed Ledger Technology (DLT) and a Digital Technology Specialist. Gary's ambition is to take business technology to its next level. Innovations in Distributed Ledger Technology has huge potential for the near future and with the emerging and apparent new Internet of Things (IoT) and smart contracts this will have huge cost savings for all businesses from small SME's to large multi-nationals.

Gary's vision is to build reusable modular core libraries for use across a multiple product line creating a full ecosystem. With the mission statement "Tomorrow's Technology Today", Yotta3 is a DLT cloud solution which will enable a safe and secure mist, fog and cloud platform encrypted to conform with current and future legislation and enabling businesses to store and share their data in a safe and secure way which is not at present available on the current market. This system will not only ensure safety and security but will enable other developers to add unique IoT and DLT applications when needed.

Highlights

- Over 15 years design IT architecture**
- Ranked 5th top Blockchain expert in 2018 by EY (Malta)**
- Certified Expert in Supply Chain Technology**
- Cyber Security Global Expert.**
- System Designs.**



Professor Elhadj Benkhelifa PhD, PGCPE, MA Edu, FHEA, PRINCE2 Practitioner

Prof. Elhadj is currently Professor of Computer Science and Digital Innovation at Stoke on Trent University. His history has been a flourish of experience like Founding Head of Cloud Computing and Applications Research Group in early 2012.

His Cloud-Based Digital Forensic Gateway Project was funded by the Technology Strategy Board and is concerned with harnessing the power of a cloud based approach for the delivery of hardware & software as a service for the delivery of digital forensics, data sharing, knowledge exchange & training globally.

Highlights

Editor (Physical Sciences) of the IBScientific Magazine and IBS Journal of Science, Co-Chair, Organiser, Int Conference on The Role of Science and Knowledge in the Developing Counties (16-18 April 2007), Algiers. President and Organiser of the (2006) IBScientific Annual conference 2006: Science & Technology Infrastructure in the Developing World: Tools for Improvement: Research, Publication and Collaboration. Headed the Advertisement and Marketing Department. Recognised for Excellence in Research and Enterprise. Teaching, Learning and Leadership and Management. Director of the Mobile Fusion Applied Research Centre.

12.0 Executive Team



Phil Worthington

Over 25 years experience in IT, education and sport as a business owner and Director. Phil brings experience in business strategy, development, management and project management to Yotta. With extensive experience in overseas development he is well placed to support the company's international objectives.

He also has a great passion for education and improving the lives of allcomers throughout the World and in particular through using e-learning and virtual reality as a medium and means of engagement.

Key Skills –

International Development and Partnerships, IT Development, Sports Coaching, Sports Education, Curriculum Development, Partnership Working, Leadership & Management Training. Extensive experience in delivering and assessing accredited vocational training to NVQ standards in IT, Sport, Team Leading, Management, Customer Services, Business Administration and Digital Marketing.



Rudra Pratap Singh

Prior to joining Yotta Laboratories, a former Indian International Cricketer, Rudra (popularly known as RP) has shown over the years his expertise in a number of fields both in business and sport. RP has worked within the English Cricket System for the Lancashire Cricket Board for 20 years strategizing, leading, and managing National and County Development programs including establishing the Talent ID system and Player Development Pathways. His role included being responsible for 24 staff and managing a budget of over a million pounds. Having played and coached cricket at the top level he is a well-connected individual.

As a board member and as an ambassador RP brings a whole wealth of knowledge and experience and he will be taking on the role of strategy and commercial development.

Skills and Honours

PGD (Masters) in Personal & Professional Development (Gloucester University UK)

ECB Master Coach (Level 4)

Yash Bharti Award Winner 2015-16 (Uttar Pradesh State Government)

MCC Life Member

ECB Qualified Coach Education Tutor

Diploma in Project Management (Wakefield College UK)



12.0 Executive Team



Dr. Parvathy Subhadra
Commercial Director (ASEAN)

Spearheading operations in Singapore as a chief strategist with over 13 years of industry experience, a global influencer in green and sustainable technologies and processes with over 10 years experience working closely with governments bodies and regulators across Singapore, Malaysia and India.

Dr Parvathy is ranked in the top 100 sustainable journalists by SASA, Singapore. In the top 50 most influential green leaders by world CSR, India and currently is the Editor and CEO of Green Pulse in Singapore.

Key Skills

Senior executive in charge of global sustainability initiatives
Key sustainability strategist
Organizer of sustainability global events

Board Member

Institute of parks and recreation board, Singapore
Green Infrastructure, Singapore
Singapore Institute of Building Ltd



TEAM

A highly qualified team of PhD researchers and developers, business professionals and advisors.

Yotta plan to increase the team considerably across 2 R&D centre countries and to second university PhD researchers in specific fields of expertise giving Yotta a truly global leading edge of competitiveness

13.0 Looking Forward

Yotta Laboratories has ambitious goals for the future.

We want to improve people's lives by building the digital infrastructure for the technology of the future.

We're looking for driven people or organizations to help us realize that vision. If you're interested in joining our please reach out to

admin@yedge.io

14.0 YEdge Token Legal

14.1 General Information

The YEdge Token does not have the legal qualification of a security, since it does not give any rights to dividends or interests. The sale of YEdge Tokens is final and non-refundable. YEdge Tokens are not shares and do not give any right to participate to the general meeting of Yotta Laboratories. YEdge Token cannot have a performance or a particular value outside the Yotta Laboratories network. YEdge Token shall therefore not be used or purchased for speculative or investment purposes. The purchaser of YEdge Token is aware that national securities laws, which ensure that investors are sold investments that include all the proper disclosures and are subject to regulatory scrutiny for the investors' protection, are not applicable.

Anyone purchasing YEdge Token expressly acknowledges and represents that she/he has carefully reviewed this whitepaper and fully understands the risks, costs and benefit associated with the purchase of YEdge Token.

14.2 General Knowledge

The purchaser of YEdge Token undertakes that she/he understands and has significant experience of cryptocurrencies, blockchain systems and services, and that she/he fully understands the risks associated with the listing as well as the mechanism related to the use of cryptocurrencies (incl. storage).

Yotta Laboratories shall not be responsible for any loss of YEdge Token or situations making it impossible to access YEdge Tokens, which may result from any actions or omissions of the user or any person undertaking to acquire YEdge Tokens, as well as in case of hacker attacks.

14.3 Risks

Acquiring YEdge Token and storing them involves various risks, in particular the risk that Yotta Laboratories may not be able to launch its operations and develop its blockchain and provide the services promised. Therefore, and prior to acquiring YEdge Tokens, any user should carefully consider the risks, costs and benefits of acquiring YEdge Token in the context of the listing and, if necessary, obtain any independent advice in this regard.

Any interested person who is not in the position to accept or to understand the risks associated with the activity (incl. the risks related to the non-development of the Yotta Laboratories platform) or any other risks as indicated in the Terms & Conditions of the listing should not acquire YEdge Tokens.

14.4 Disclaimer

This whitepaper shall not and cannot be considered as an invitation to enter into an investment. It does not constitute or relate in any way nor should be considered as an offering of securities in any jurisdiction. The whitepaper does not include nor contain any information or indication that might be considered as a recommendation or that might be used to base any investment decision. This document does not constitute an offer or an invitation to sell shares, securities or rights belonging to Yotta Laboratories or any related or associated company.

14.0 YEdge Token Legal

14.4 Disclaimer

Licences and approvals are not assured in all jurisdictions

Yotta Laboratories intends to operate in full compliance with applicable laws and regulations and use its best endeavours to obtain the necessary licences and approvals. Regulatory licences and/or approvals are likely to be required in a number of relevant jurisdictions in which relevant activities may take place. This means that the development and roll-out of all the initiatives described in this whitepaper are not guaranteed. It is not possible to guarantee, and no person makes any representations, warranties or assurances, that any such licences or approvals will be obtained within a particular timeframe or at all. As such, the initiatives described in this whitepaper may not be available in certain jurisdictions, or at all. This could require restructuring of these initiatives and/or its unavailability in all or certain respects. In addition, the development of any initiatives is intended to be implemented in stages. During certain stages of development, the project may rely on relationships with certain licensed third party entities. If these entities are no longer properly licensed in the relevant jurisdiction, this will impact the ability of Yotta Laboratories to rely on the services of that party.

No advice

This whitepaper does not constitute any investment advice, financial advice, trading advice or recommendation Yotta Laboratories, its affiliates, or its respective officers, directors, managers, employees, agents, advisors or consultants on the merits of purchasing YEdge Tokens nor should it be relied upon in connection with any other contract or purchasing decision.

Not a sale of security

This whitepaper does not constitute a prospectus or financial service offering document and is not an offer to sell or solicitation of an offer to buy any security, investment products, regulated products or financial instruments in any jurisdiction. YEdge Tokens are not being structured or sold as securities Yotta Laboratories . Owners of YEdge Tokens are not entitled to any rights in Yotta Laboratories or any of its affiliates, including any equity, shares, units, royalties to capital, profit, returns or income in Yotta Laboratories or any other company or intellectual property associated with Yotta Laboratories .

No representations

No representations or warranties have been made to the recipient of this whitepaper or its advisers as to the accuracy or completeness of the information, statements, opinions or matters (express or implied) arising out of, contained in or derived from this whitepaper or any omission from this document or of any other written or oral information or opinions provided now or in the future to any interested party or their advisers. The YEdge Tokens, as envisaged in this whitepaper, are under development and are being constantly updated, including but not limited to key governance and technical features. If and when the YEdge tokens are completed, they may differ significantly from the description set out in this whitepaper.

14.0 YEdge Token Legal

14.4 Disclaimer

No representation or warranty is given as to the achievement or reasonableness of any plans, future projections or prospects and nothing in this document is or should be relied upon as a promise or representation as to the future. To the fullest extent possible, all liability for any loss or damage of whatsoever kind (whether foreseeable or not and whether or not Yotta Laboratories has been advised of the possibility of such loss or damage) which may arise from any person acting on any information and opinions contained in this whitepaper or any information which is made available in connection with any further enquiries, notwithstanding any negligence, default or lack of care, is disclaimed.

Third party data

This whitepaper contains data and references obtained from third party sources. Whilst the management believes that these data are accurate and reliable, they have not been subject to independent audit, verification, or analysis by any professional legal, accounting, engineering, or financial advisors. There is no assurance as to the accuracy, reliability or completeness of the data.

Translations

This whitepaper and related materials are issued in English. Any translation is for reference purposes only and is not certified by any person. No assurance can be made as to the accuracy and completeness of any translations. If there is any inconsistency between a translation and the English version of this whitepaper, the English version shall prevail.

Restricted transmission

This whitepaper must not be taken or transmitted to any jurisdiction where distribution or dissemination of this whitepaper is prohibited or restricted.

Views of Yotta Laboratories

The views and opinions expressed in this whitepaper are those of Yotta Laboratories and do not reflect the official policy or position of any government, quasi-government, authority or public body (including but not limited to any regulatory body) in any jurisdiction. This whitepaper has not been reviewed by any regulatory authority.

Third party references

References in this whitepaper to specific companies, networks and/or potential use cases are for illustrative purposes only. The use of any company and/or platform names and trademarks does not imply any affiliation with, or recommendation or endorsement of/by, any of those parties. All references to 'dollars', USD or '\$' are references to the United States Dollars unless otherwise stated.

14.0 YEdge Token Legal

14.4 Disclaimer

Graphics

All graphics included in this whitepaper are for illustrative purposes only. In particular, graphics with price references do not translate into actual pricing information.

Risk statements

Purchasing YEdge tokens involves substantial risk and may lead to a loss of a substantial or entire amount of the money involved. Prior to purchasing YEdge tokens, you should carefully assess and take into account the risks, including those listed in any other documentation. A purchaser should not purchase YEdge tokens for speculative or investment purposes. Purchasers should only purchase YEdge tokens if they fully understand the nature of the YEdge tokens and accept the risks inherent to the YEdge tokens.

Cryptographic tokens may be subject to expropriation and/or theft; hackers or other malicious groups or organizations may attempt to interfere with our system/network in various ways, including malware attacks, denial of service attacks, consensus-based attacks, Sybil attacks, smurfing, and spoofing which may result in the loss of your cryptographic tokens or the loss of your ability to access or control your cryptographic tokens. In such event, there may be no remedy, and holders of cryptographic tokens are not guaranteed any remedy, refund, or compensation.

The regulatory status of cryptographic tokens and digital assets is currently unsettled, varies among jurisdictions and subject to significant uncertainty. It is possible that in the future, certain laws, regulations, policies or rules relating to cryptographic tokens, digital assets, blockchain technology, or blockchain applications may be implemented which may directly or indirectly affect or restrict cryptographic token holders' right to acquire, own, hold, sell, convert, trade, or use cryptographic tokens.

The uncertainty in tax legislation relating to cryptographic tokens and digital assets may expose cryptographic token holders to tax consequences associated with the use or trading of cryptographic token.

Digital assets and related products and services carry significant risks. Potential purchasers should take into account all of the above and assess the nature of, and their own appetite for, relevant risks independently and consult their advisers before making any decisions.

Professional advice

You should consult a lawyer, accountant, tax professional and/or any other professional advice

14.0 YEdge Token Legal

The purchasing of and trading in any YEdge Token Asset shall not afford any Purchaser with the right to exercise any influence over the governance of Yotta³ or any aspect of the business.

Despite the use of the word "Coin" when referring to the YEdge Token sold to Purchasers and traded within the Yotta system, no YEdge Token Assets should be regarded as fiat money, or have implied fiat values.

Considering the nature of the YEdge Token Assets, and specifically the token, as bona fide cryptographic assets (rather than securities, financial instruments, foreign currency denominated investment instruments or any other type of Financial instrument) neither the YEdge Token nor any platform associated with it should be regarded as a securities or currency exchange;

The Initial Listing should not be regarded as an invitation to the public to acquire securities in Yotta Laboratories or any other entity; and unless explicitly determined otherwise, neither Yotta Laboratories nor any of its affiliates should be regarded as a provider of foreign exchange services, Intermediary Services, Financial Services or Financial Products;

Accordingly, Yotta Laboratories is not regarded or registered as a Financial Services Provider as defined by the Financial Conduct Authority in the United Kingdom.

Cryptocurrencies have been the subject of regulatory scrutiny by various regulatory bodies within different jurisdictions. Notwithstanding, Yotta Laboratories, its business practices in general, and various aspects of the business could be impacted by one or more future regulatory inquiries or regulatory actions, which could impede or limit the ability of to continue to develop Yotta³ using Blockchain and cryptocurrency technology.

These Terms, our business model in general and all aspects of the Yotta³ may be subject to change depending on regulatory and compliance requirements of applicable law from time to time, in which event Yotta³ shall not be held liable for any loss or damages (whether direct or consequential) caused by such changes. In this regard, and to the fullest extent possible, the Purchaser acknowledges and understands the effect, namely that neither Yotta³ nor any of its affiliates accept any liability for any loss or damages caused by such occurrence.

14.0 YEdge Token Legal

Yotta Laboratories is not to be considered as an advisor in any legal, tax or financial matters. Any information in the whitepaper is given for general information purpose only and Yotta Laboratories does not provide with any warranty as to the accuracy and completeness of this information. Given the lack of crypto-token qualifications in most countries, each buyer is strongly advised to carry out a legal and tax analysis concerning the purchase and ownership of Yotta Tokens according to their nationality and place of residence.

Yotta Laboratories today is not a financial intermediary according to UK Law and is not required to obtain any authorization for Anti-Money Laundering purpose. This qualification may change in which case Yotta Laboratories will offer services which are to be considered as qualifying a financial intermediation activity. In this case, the use of Yotta Laboratories services may require the positive conclusion of an AML/KYC identification process.

YEdge Tokens confer no direct or indirect right to Yotta Laboratories capital or income, nor does it confer any governance right within Yotta Laboratories; a YEdge Token is not proof of ownership or a right of control over Yotta Laboratories and does not grant the controlling individual any asset or share in Yotta Laboratories, or in the Yotta Laboratories network. A YEdge Token does not grant any right to participate in control over Yotta Laboratories management or decision-making set-up, or over the Yotta Laboratories network and governance to the purchasers.

Regulatory authorities are carefully scrutinizing businesses and operations associated with cryptocurrencies in the world. In that respect, regulatory measures, investigations or actions may impact Yotta Laboratories business and even limit or prevent it from developing its operations in the future. Any person undertaking to acquire YEdge Token must be aware of the Yotta Laboratories business model, the whitepaper or Terms & Conditions may change or need to be modified because of new regulatory and compliance requirements from any applicable laws in any jurisdictions.

In such a case, purchasers and anyone undertaking to acquire YEdge Token acknowledge and understand that neither Yotta Laboratories nor any of its affiliates shall be held liable for any direct or indirect loss or damage caused by such changes.

14.0 YEdge Token Legal

Yotta Laboratories will do its utmost to launch its operations and develop the Yotta Laboratories brand, products and services. Anyone undertaking to acquire YEdge Token acknowledges and understands that Yotta Laboratories does not provide any guarantee that it will manage to achieve it. On concluding the Commercial Operation, these tokens will be issued by a technical process referred to as a «Blockchain». This is an open source IT protocol over which the Company has no rights or liability in terms of its development and operation.

The token distribution mechanism will be controlled by a Smart Contract; this involves a computer program that can be executed on the Binance network or on a blockchain network that is compatible with Smart Contract programming language. They acknowledge and understand therefore that Yotta Laboratories (incl. its bodies and employees) assumes no liability or responsibility for any loss or damage that would result from or relate to the incapacity to use YEdge Tokens, except in case of intentional misconduct or gross negligence.

YEdge Tokens is based on the Ethereum protocol. Therefore, any malfunction, unplanned function or unexpected operation of the Ethereum protocol may cause the Yotta Laboratories network or Yotta Laboratories to malfunction or operate in a way that is not expected. Ether, the native Ethereum Protocol account unit may itself lose value in a similar way to YEdge Tokens, and also in other ways.

14.5 Representation and warranties

By participating in the listing, the purchaser agrees to the above and in particular, they represent and warrant that they:

- have read carefully the Terms & Conditions attached to the whitepaper; agree to their full contents and accept to be legally bound by them;
- are authorised and have full power to purchase YEdge Token according to the laws that apply in their jurisdiction of domicile;
- live in a jurisdiction which allows Yotta Laboratories to sell the YEdge Token through a listing without requiring any local authorization and are in compliance with the local, state, and national laws and regulations when purchasing, selling and/or using YEdge Tokens;
- are familiar with all related regulations in the specific jurisdiction in which they are based and that purchasing cryptographic tokens in that jurisdiction is not prohibited, restricted or subject to additional conditions of any kind;
- will not use the listing for any illegal activity, including but not limited to money laundering and the financing of terrorism;
- have sufficient knowledge about the nature of the cryptographic tokens and have significant experience with, and functional understanding of, the usage and intricacies of dealing with cryptographic tokens and currencies and blockchain-based systems and services;