



BLUE SAPPHIRE TOKEN WHITEPAPER



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BLUE SAPPHIRE TOKEN

BS TOKENS

WHITEPAPER

VERSION 1.1

INFO@BSTGROUP.WORLD

DISCLAIMER

Any investment involves risks and any investor needs to make a decision based on adequate, unbiased information, and if necessary, in consultation with a professional advisor.

IMPORTANT NOTICE

This Whitepaper covers the current and future development of The BST Blockchain platform, coins, and the technologies we are aiming to introduce to the world. The whitepaper covers the ecosystem of The BST Group which is committed to providing state-of-the-art technology services Globally.

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EXECUTIVE SUMMARY



The BST Group was established in 2021 in Dubai, United Arab Emirates as “BST Gemstone General Trading LLC”.

The BST Group has exclusive access to approximately 100 Kgs of rough stone, which would be converted into well-cut Kashmir Sapphire over a period of the next few years.

The BST Group have recently Launched one of the most hybrid decentralized Cryptocurrency platform “Called BST/ Blue Sapphire token” to reach the Global Market and become one of the leaders in the Cryptocurrency and Blockchain industry specifically for Precious Stones and Diamond industry.

The BST Group has an inventory of 2,000 carats which were purchased with the help of investors in the year 2021, Moving forward BST GEMSTONE GENERAL TRADING LLC Group will establish luxuriously branded showrooms for Kashmir Sapphire in the most prominent cities and locations across the globe.

BST GEMSTONE GENERAL TRADING LLC Group is projected to achieve the following targets:

1. Establish BST Crypto Platform for Asset Based Utility Coins and Brining Revolution in the payment Industry.
2. Transaction speed and security is the key aspect of a blockchain and our target is to come up with our own blockchain named as Sapphire-Chain.
3. As the interest for a more decentralized Web keeps growing, we have chosen to take an active role to develop a web3 blockchain-based internet browser.
4. Metaverse projects: The current increase in attention to the Metaverse is partly driven by the very recent ability to fully ‘own’ virtual objects, experiences, or land and here at BST Group we are committed to various projects based on virtual reality. Like Gaming, Real Estate, Art and Virtual Mining projects.
5. Provide Smart Cities & Blockchain Solutions to the Public sector Globally.
6. Internet-based Socializing has become the new normal of life and there is continuous development in the said field we are focused to design an application with integrated chat and crypto payment mechanisms based on blockchain-based technology.
7. Consolidated revenue from the sale of three grades of Sapphire Oz. Transparent (Elite Class)
8. Translucent (Standard Class) & Opaque]: 1.7 billion USD |Net Profit of 1.3 billion USD @ 77.7B of revenue.

Scalability is essential for any blockchain protocol. The applies the latest technology of unique Dynamic State Sharding to the transaction ledger block to resolve the problems associated with ever-growing data size.

The BST Group Net uses a very fair and competitive consensus model, VRF-PBFT + PoS+DPoS, that is revolutionary as it ensures proper compensation based on the relevant contribution to the Locus Chain Network.

Using the most advanced technology of the blockchain Smart Contracts can be executed even in the harshest network environments that other blockchain protocols will not be able to. Furthermore, it is resistant to quantum computing attacks, a huge threat to existing cryptography systems.





ABSTRACT

Since Bitcoin exploded and mainstreamed the concept of cryptocurrencies to a vastly wider audience, the defining theme of virtually all crypto tokens has been their extreme and seemingly inherent volatility.

One development that appears particularly promising is the evolution of next-generation tokens underpinned by real, tangible assets such as real estate, gold, or fiat (cash). In many ways, this is the most natural of evolutions; as Hogi Hyun has highlighted, the “blockchain is at its heart a secure ledger, a form of accounting and reporting that offers clear visibility of historical ownership and transactions. As such, it is ideally suited for the asset management industry”.

While there is great variation in how asset-backed cryptocurrencies are structured, they share a unifying core in being hitched to an element of real value that can be cashed out and retained, negating the central flaw of their first-generation predecessors like Ripple or Ethereum.

Being linked to a physical asset provides more than just the security of less dramatic price swings compared to older coins; it also helps define the mechanics of how those swings occur. Because most asset-backed coins are tied to external markets on which those assets are traded – think commodities like diamonds or silver– if the value of the token tethered to them falls below the value of the real assets, then investors will capitalize on the discrepancy and cash out the physical asset. This awareness acts as a built-in safeguard to prevent excessive speculation.

Just how the underlying asset of the token is managed and protected in this process it will continue to be of paramount importance. Institutional and mainstream investors will be drawn to those coins supported by systemized operations for overseeing and divesting assets. This means things like verification channels, outlined auditing procedures, and valuations that are both clear and accessible enough to be broadly understood. The central advantage provided by asset-backed tokens is their reliability. As such that status needs to be continuously reinforced and emphasized.

While asset-backed tokens are still finding their feet, especially in terms of broadening the public’s awareness of their existence, we can already see their utility to investors through their daily trading volume as a percentage of their overall market capitalization. While it has remained mired in controversy, the token Tether has nonetheless traded far more frequently relative to its market capitalization than larger tokens like Bitcoin

As the cryptocurrency market continues to evolve, grow, and mature, asset-backed tokens will be the gateway to a wider application. The key to understanding is that the asset itself is just one part of the story; how that asset is managed, and the confidence prospective investors have in the quality of that management, is just as important. Asset-backed tokens draw elements of the security that more established markets offer, without losing their organizing principles as cryptocurrencies, lowering speculative volatility.

Throughout the course of history, a currency holds a specific value to a specific group of people and it can be used to exchange for something of equivalent or higher in value. What this translates to for the various decentralized cryptocurrency platforms is that it has to achieve a common value and liquidity. This competitive yet intriguing characteristic of digital currency will result in a showdown between the top-tier cryptocurrencies as they compete to be the most widely adopted cryptocurrency. This has extensive requirements on the technical system that the cryptocurrency is running on and thus BST have taken extensive consideration when designing its protocol.



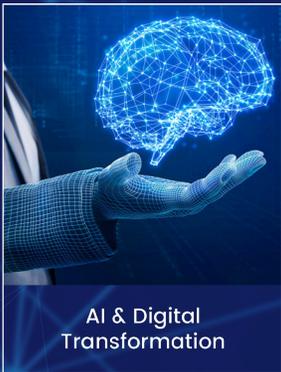


CHAPTER 1

INTRODUCTION (ECO-SYSTEM)

The BST Group strives to be the digital currency with state-of-the-art technology that will be at the heart of Metaverse-based Real estate and physical Real estate projects, Gemstone Industry, smart cities, payments systems and massive economies through strategic partnerships and key collaboration. The approach of The BST Group is not to compete with centralized government agencies and powerhouses from traditional industries but instead to form lasting strategic partnerships to develop together to achieve mass adoption and widespread acceptance. Eventually, BST Coins will be stablecoins being used extensively.

At the moment, the utmost goal of cryptocurrency projects will be to gain mass adoption by replacing fiat or the ideal payment solutions to go to. This is overly idealistic as there is insufficient technological infrastructure in place to support such adoption and transition. Nonetheless, this does not impede the booming of the cryptocurrency and blockchain industry. In time to come, it will not be surprising to use cryptocurrency in our daily lives.



TECHNOLOGY PORTFOLIO OF BST GROUP

Apart from Precious Gemstones the BST Group also has a digital industry chain company in the United Arab Emirates. The team has invested in blockchain research and application development in the early stage and is also an enterprise that has earlier developed and popularized blockchain technology. Our Technology Group is divided into the following five Groups;

THE BST GROUP SOLUTIONS PORTFOLIO

The BST Group Launched one of the most hybrid decentralized Cryptocurrency platforms “Called BSTokens” to reach the Global Market and to become one of the leaders in the Cryptocurrency and Blockchain Industry specifically for the Precious Stones and Diamond Industry. Transaction speed is one of the biggest issues on the current blockchain. In the future, BST group will develop its own latest-generation blockchain platform that will deliver the optimum solution.

BST crypto platform is quite unique and the coins will be utilized in more than 18 plus countries for different transactions related to retail payments, eCommerce payments, properties payments and several other industries respectively. Blue Sapphire Token Crypto Platform is safe and stable with the highest transaction speed even with weak links on a small number of nodes. Transaction timing



is just in seconds. Its Ledger is dynamic and available on android & OS Platforms. A huge number of nodes doesn't cause distortion. It's a game-changing platform in the industry of Blockchain & crypto with its distinct features. Our Technology Group is divided into the following five Groups;

1. Smart City Solutions and Metaverse Technology

Potential & efficient solutions to change the world with the use of the Internet of things (IoT) to achieve sustainable urbanization. The BST Group of companies understands that data, analytics, and ICT infrastructure which play important roles in defining solutions that help to build and ensure the sustainability of smart cities. The Smart City movement has gained momentum worldwide. The expected global market size for smart cities is \$1.6 Trillion (cumulative) by 2020, out of which smart governance software and services is expected to be about 12% – \$192 Billion (Frost & Sullivan). Our aim is to provide high-quality urban services strategies for smart management, Sustainable Economy Growth Infrastructure Development, Transportation, Security, Energy & Water Management lifestyle, Oil & Gas, Tourism, Banking & Finance, and Healthcare Initiatives.



2. Blockchain Center of Excellence

The BST Group soon going to launch a blockchain center at Dubai in collaboration with 'EDU' European Digital University, for research and development in the area of Blockchain Technology & Decentralized Eco-System, Startup Acceleration. The aim is to educate people about Blockchain Technology and brings thought Industry Leaders Entrepreneurs Investors Public & Private Sector companies together for a better tomorrow. GCC region has taken several initiatives related to Blockchain implementation specifically in the public sector however it's hard to find good blockchain developers and consultants in the local regions. we will be developing strategic alliances with the leading universities to train good students as blockchain expert. Below are the focus areas of the Blockchain Centre of Excellence;



- Exploring, testing, and implementing blockchain technology;
- Conducting faculty and student workshops around blockchain technology;
- Conducting joint research;
- Publishing papers and reports;
- Establishing internships or hiring opportunities, and;
- Developing course content around blockchain technology for future skills

3. AI & Digital Transformation

Digital Transformation is a need of the modern world due to radical changes in businesses. We will help you to be ready for the challenges of the next generation with the use of up-to-date strategies to implement right technology. We connect business with innovation with the support of our digital business platform and strategies.



Decentralized Internet web3.0.

Web3.0 in other words, known as decentralized web, represents the latest generation of internet applications and services enabled by distributed ledger technology. As a result, people and machines will be able to link more efficiently with data, emphasizing that artificial intelligence (AI) will play a critical role in making this version of the internet more intelligent and powerful in terms of information processing.

Web3 needs a dedicated browser to shape its future and the BS token powers the **Sapphire Browser** project which is more than just surfing traditional websites through a one-size-fits-all solution. It's specifically designed to work with a variety of decentralized apps, or dApps, as well as provide deeper functionality than a traditional browser it also has a basic web wallet add-on.



During the browsing duration a user can avail of rewards in the form of BSTokens, the more a user uses our browser the more coins he will get as a reward.

The BST-Group powers a new blockchain-based digital advertising platform. BST is used as a payment token for running advertisement campaigns through the **Sapphire Browser**. Advertisers pay for their advertising campaigns in BST tokens. The advertising budget must be paid entirely in BSTokens, which advertisers can acquire from a variety of exchange platforms. BST-Group takes a small commission, and the rest is distributed to publishers and users.

CSR and Socializing Applications:

We at BST Group are very much dedicated to different major social causes like Let-Live ,Go-Green, and multi-utility social connectivity apps.

BST Group will develop a blockchain-based application **BS-Chat** with not only chatting, voice, and video calling but it will be integrated with payment transfer facilities across the borders using blockchain technology.



The BS-chat app uses blockchain technology to send and receive crypto. you can add funds and send them for payments via this app. You can add contacts to the app directly from your phone's contact list for direct payments, which makes the whole process a little easier. Through the BS-Chat app you can accept payments from any country and put an emphasis on security due to the nature of blockchain-based cryptocurrencies.

4. Blockchain & Crypto Consultancy

The BST Group will be investing significantly to streamline public services in UAE and other countries across the globe with one of the best Blockchain Technology Groups. Establishing funds in collaboration



with international companies and investors specifically in the technology sector. We have a team of Top industry leaders in the area of Technology, Financial Services, Business Growth, and Investment Management they offer advice for Investments in Crypto Currencies and the implantation of Blockchain Technology based on your company profile analysis. Implementation of Blockchain and Investment in Crypto Coins provide new opportunities and fortunate profits to investors and businesses however any investment involves risks and any investor needs to make a decision based on adequate, unbiased information, and we have a panel of 100 plus Senior Global Advisors across the globe to support advice with realistic facts & figures.

5. Digital Payments Via Blockchain (BST)

Cryptocurrencies have come a long way since the first Bitcoin which was used to buy a couple of pizzas. Few of the people who owned these currencies still have them. But many who rode the first wave of crypto have been rewarded with an ample amount of money and properties. The BST Blockchain has been developed which will be used as a utility coin for various types of industries like paying bills, POS, eCommerce payments, gamification, remittances, trade finance, and several others. IoT is already here.

At The we can expect a fantastic future of technologies without any doubts.

Sapphire Wallet: BST-Group will develop a multi-utility wallet based on the cutting technology of blockchain which will be named as **Sapphire Wallet**. it will be a decentralized secure vault. Sapphire wallet is a complementary product of MetaMask, Trust Wallet, and other decentralized wallets, providing security enhancements to them much like a hardware wallet, except with the additional protection of being secured on the blockchain rather than a physical device.

Our wallet will ensure that even if your phone or laptop is lost or stolen, you and only you will have access to your tokens and without additional concern.



THE BST GROUP LEGACY

Rare Gemstones

We specialized in the king of the Sapphire world “Kashmir Blue Sapphire”, one of the rarest, most prestigious, precious stones on the planet. It is the highest valued gemstone ever auctioned. Kashmir Sapphire is entitled as Blue Velvet due to its exclusive velvety texture. Finding top quality & ultra-elite social status, Kashmir Sapphire has never been this easy before. We have a large collection of Natural “Kashmir Blue Sapphire”. We are always ready to buy back our valued products from you with only 20% deduction on the current price. Exciting? Here is something more exciting! Let the cat out of the bag. We will buy our products at double worth after the time period of five years, which means an annual growth of 20%. Our gemstones are not only the direct investment with a high return but also privileged to carry trendy classy fashion.

The global gemstones market is being driven by a rapid increase in the following critical factors:

- Consumers in emerging economic regions such as Asia Pacific and Africa are slowly shifting from the conventional unorganized jewelry market to organized and branded gemstone

products in order to avoid the possibility of counterfeits.

- Fashion designers developing innovative jewelry products using different varieties of gemstones
- The officially recognized and organized global market of branded gemstones is approximately 23 billion USD.
- Diamonds have the highest market share with 12 to 14 billion USD followed by jade stone with 3 to 6 billion USD of the officially recognized global market. Gemstones of different colors account for 2 to 3 billion market value. Obviously, it is well-accepted in the industry that, the unorganized unbranded market for gemstones is far approximately ten times the officially recognized market size.
- North America is expected to emerge as the largest market in terms of value for gemstones by the year 2029, owing to the growing demand for precious gemstones such as diamonds, rubies, emeralds and sapphires.

SAPPHIRE GRADING BY COLOR



Grade
AAA



Grade
AA



Grade
A



Grade
B

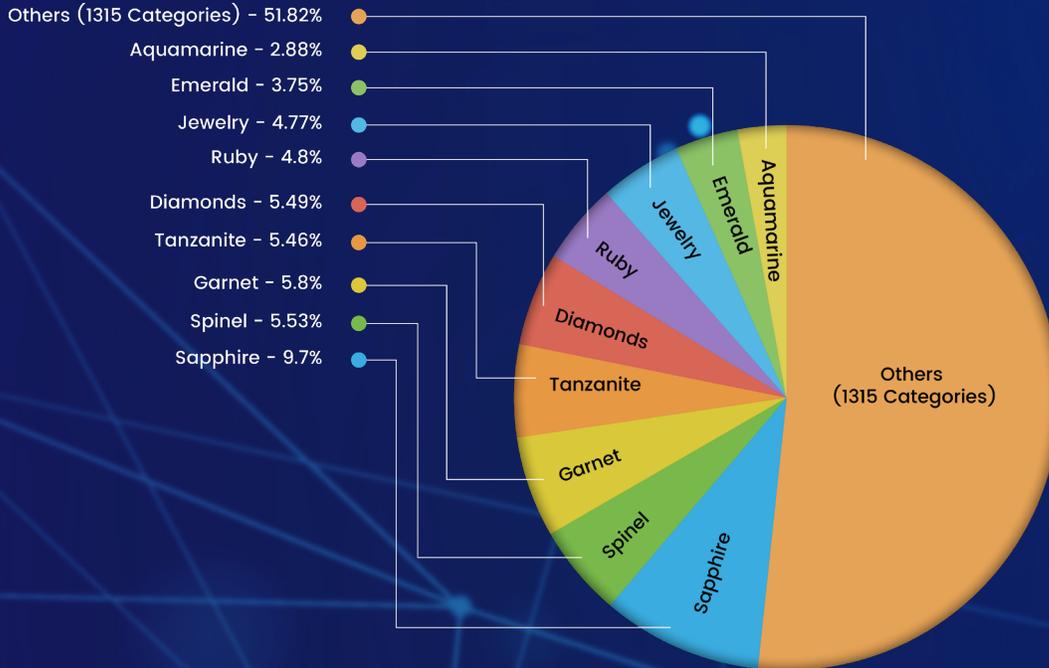
GLOBAL GEMSTONE MARKET POTENTIAL

Global Colored Gemstones Market is Expected to Account for USD 3,559.74 Million by 2028



Source: Data Bridge Market Research Market Analysis Study 2021

GEMSTONES CATEGORIES BY VOLUME



UAE GEMSTONE INDUSTRY

The gems & jewelry market in the United Arab Emirates stood at 8.4 billion USD at the end of the year 2018.

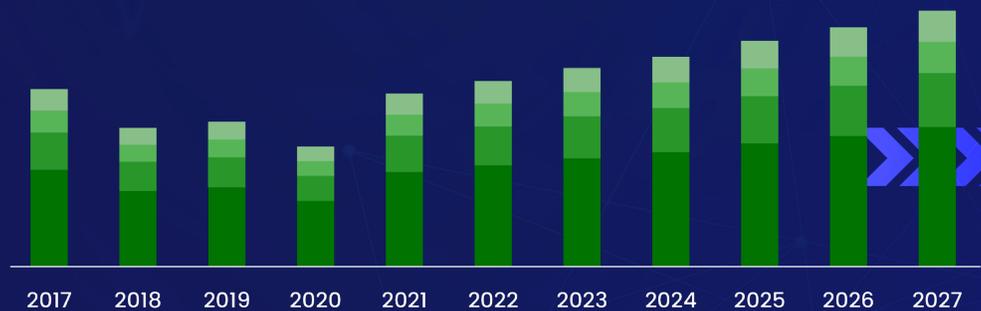
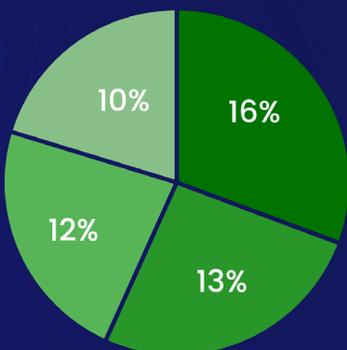
The market is projected to grow at a CAGR of approx. 8% to reach 13 billion USD by the year 2024. Gold jewelry accounts for the largest share in the UAE gems & jewelry market, followed by diamond jewelry with platinum jewelry at the 3rd position.

UAE is the 5th largest gold jewelry consumer market in the world. The emirates of Dubai and Abu Dhabi share the top position in the market share, followed by Sharjah.

The contribution of the remaining emirates is negligible.

UAE GEMS AND JEWELRY MARKET SIZE

By Region



■ Dubai
■ Abu Dhabi
■ Sharjah
■ Rest of UAE

UAE Gems & Jewelry Market Size, By Region, By Value, 2017 - 2027

CHAPTER 2

MARKET RESEARCH & RELEVANT MATERIAL

TRAITS OF MONEY

Over the history of humanity, money took many forms. There was barter system, physical objects like rocks or shells, precious metals, banknotes, paper bills, digital money, and finally decentralized digital currencies like Bitcoin.

Over time, people noticed the most desirable traits that money should have. For the currency to be useful and convenient, it should:

Divisible – can be turned into smaller pieces for certain uses like paying a specific amount or micro-payments.

Non-consumable—cannot be consumed for purposes other than an exchange of value.

Portable—can be easily carried around.

Durable—does not wear away or depreciate through time or in certain conditions.

Secure—cannot be counterfeited.

Easily transferable.

Scarce—cannot be replicated without end.

Fungible—each piece has the same value as its equivalent.

Recognizable—it is recognized and accepted as a means of transaction

Here is how gold, fiat currencies, and Bitcoin compare in the context of these traits.

The main difference of Bitcoin from traditional currencies lies in the fact that no one controls Bitcoin as it is decentralized. It allows Bitcoin to be an independent peer-to-peer money system that can function regardless of anyone's wishes. It relies on the combined computing power of the network participants, each of which is equal among themselves— nobody is more or less important than the others. Additionally, it helps bring down the cost of using the system by ideally eliminating fees and transaction times, both of which banks need to stay in business. No one can have an influence over your money and the transactions you send or receive.

In contrast, fiat currencies rely on centralized entities like central banks, commercial banks, governments, payment processors like Visa or Mastercard, and other intermediaries. Any of those organizations have the authority to decide whether to approve your transaction, whether you can send money to certain people or organizations or if the money you're using is legal or not. These processes also include in-depth surveillance and data-sharing on everything you do with your money.

Another significant difference is that, unlike fiat, Bitcoin is not sovereign. There is nothing backing Bitcoin, which means its value is not attached to any political or economic situation, and it can exist independently outside of the traditional system.



Last but not least, Bitcoin introduces a new dimension of programmability. It means that in the future, Bitcoin transactions can be attached to smart contracts or other programs that execute only after certain conditions are met. Such features would allow building additional solutions on top of bitcoin, such as reputation management systems, insurance contracts, or similar. Such contracts would not require any third-party intervention to execute. Essentially, it introduces a new dimension to the concept of traditional cash.

But Bitcoin isn't backed by anything?

When asked how Bitcoin is different from the dollar, most people will tell you that it is because bitcoin is not backed by anything. This is not entirely true: while Bitcoin indeed has nothing physical to back, neither does the dollar. Historically speaking, up until 1971, most currencies were backed by a commodity, usually gold or silver. This is not the case anymore. Also, there is plenty of room for the argument that every Bitcoin is covered by the amount of electricity used while mining it.

All in all, unlike traditional currencies, Bitcoin:

- Has no central authority which claims it backs money.
- Is subject to deflation due to artificial scarcity, while central banks can print more money anytime.
- Has every transaction been forever recorded on an immutable public ledger?
- Requires transaction fees to be paid to miners, which serves like paying taxes to the government, except those taxes can be evaded while it is impossible to complete a transfer without paying fees on the blockchain.
- Transactions are done over the internet and include public addresses, while cash transactions are anonymous and leave not rail behind.

CHAPTER 3

GOALS & FEATURES OF BST BLOCKCHAIN TECHNOLOGY REVOLUTION IN THE CRYPTO WORLD (DYNAMIC BLOCKCHAIN TECHNOLOGY) BST CRYPTO PLATFORM FEATURES

Transaction speed is one of the biggest issues on the current blockchain. BST is the brand-new 4th generation blockchain platform that will deliver the all-in-one solution to digital transmission as well as physical asset transactions with blue sapphire carat valuation, So will be known as Sapphire Chain.

Fast transaction speed

Speed for actual use. A transaction must be completed in several seconds.

Stability and safety

Provide stable operation even under weak links on a small number of nodes.

Scalability

The increasing number of nodes should not cause any deterioration in the processing the performance or any critical trouble on use.

Ledger Dynamic

Even with the increasingly huge number of nodes, the space for saving the ledger state at a single node will not be large.

As discussed in the overview, to make sure that BST is used as a payment method in a wide range of fields from energy, and communications to smart cities, or at least allow it to have high asset values, we will develop BST Coins to fulfill the following goals:

FAST TRANSACTION SPEED

Fast and reliable transaction is the primary requisite to enable BST to be used in financial transactions. Our goal is to achieve a high transaction speed. Other blockchain technologies may also aim to have a high transaction speed, but the most critical issue is how one can maintain a stable high transaction time despite of the increasingly huge number of nodes or transactions. BST will incorporate Account-Wise Transaction Chain (AWTC) architecture to accomplish this.

TECHNOLOGY TO IMPROVE TRANSACTION RELIABILITY

The Smart Contract technology which is implemented in many next-generation blockchain technologies will also be supported by BST with the promise of a fast, reliable transaction environment.



BLOCKCHAIN TECHNOLOGY WITH SCALABILITY AND FLEXIBILITY

To offer better scalability with high transaction speed, Dynamic State Sharding technology will be applied to the BST Platform. Dividing blocks into smaller manageable sub-blocks (“Shards”) will resolve the problem of ever-growing data size. Moreover, we are organizing multiple application development teams to provide various types of programming interfaces and hardware applications as early as possible.

SECURE TECHNOLOGY

The BST team expects that the attacks utilizing quantum computing power can be a threat to the existing security systems and cryptography systems. Therefore, having resistance or tolerance against the abuse in the quantum computing environment is one of the important developments of the BST team. We will collaborate with top-notch university labs that specialize in the relevant fields (security and cryptography). Even after the BST’s main net launches, we will continue to apply research results in this field to ensure the highest level of security.





CHAPTER 4

BST BUSINESS MODELS & ROADMAP





BST Coins Distribution

A total of 7.86 billion B S Tokens have been pre-mined to be distributed in Public, Team and Advisors.

