



A decentralized, scalable, and autonomous financial ecosystem. Bringing back the gold standard.



BullionFX White Paper

Version 4 - 1 August 2021

[Legal Disclaimer](#)

[Risk Factors and Disclosures](#)



Contents

1 Contents	2
2 Background	5
2.1 Gold, money and Bitcoin	5
2.1.1 Very Brief History of Gold	5
2.1.2 The Evolution of Money	5
2.2 Gold Markets Today	7
2.2.1 Physical Gold	7
2.2.2 Paper Gold	7
2.2.3 Derivatives	7
2.2.4 Problems worth solving	7
2.3 Use cases for Digital Gold	8
2.3.1 Highly Mobile 'Safe-Haven' Asset	8
2.3.2 Liquid Portfolio Hedge	8
2.3.3 Sovereign-Neutral Stablecoin	8
3 The BullionFX Solution	9
3.0.1 Bullion Ecosystem	9
3.0.2 \$GOLD	9
3.0.3 \$BULL	9
4 \$GOLD Token	10
4.1 Overview	10
4.2 Key Processes	10
4.2.1 Wholesale gold spot market	10
4.2.2 Real Time Token Allocation	10
4.2.3 Physical Gold Settlement	10
4.2.4 Institutional grade audit	10
4.3 Tokenomics	11
4.4 Withdrawal	11
4.5 Liquidity	11
4.5.1 Decentralized trading	11
4.5.2 Lack of secondary market liquidity	11
4.5.3 Spread	11
4.6 Fees	11
4.7 Technology	11



4.8 Safety and Security	12
4.8.1 Independent Auditor	13
4.8.2 Financial Audit	13
4.8.2.1 Asset Audit:	13
4.8.2.2 Financial Smart Contract Audit:	13
5 \$BULL Token	14
5.1 Current Overview	14
5.1.1 The Utility of \$BULL	14
5.2 Blockchain Framework	15
5.2.1 ERC-20	15
5.2.2 Bullionchain	15
5.3 Tokenomics	15
5.3.1 Team & Operational	16
5.3.2 Advisors	16
5.3.3 Incentives & Commissions	16
5.3.4 Seed Investors	16
5.3.5 Pre-sale	16
5.3.6 Liquidity and Staking Rewards	16
5.3.7 BullionFX Reserve Wallet	16
5.4 Bullion Ecosystem	17
5.4.1 Exchange	17
5.4.2 Payments	17
5.4.3 Yield	17
5.4.4 Synthetics	17
5.4.5 Automatic Market Making	18
5.4.6 Liquidity Pools	18
5.4.7 Decentralized Reserve Applications	18
5.5 Bullion Blockchain V2.0	18
5.5.1 Hyperledger Fabric	18
5.5.2 Network Fee's	19
5.5.3 Privacy	19
5.5.4 Auditability	19
5.5.5 Compatibility	19
5.5.6 Additional information	19
5.5.7 Token cap	19
6 The Company	21
6.1 Company	21



6.2 Team	21
6.3 Offices	21
6.4 Contact Us	21

2 Background

2.1 Gold, money and Bitcoin

2.1.1 Very Brief History of Gold

The earliest recorded metal employed by humans appears to be gold. Archaeologists uncovered natural gold in Spanish caves, homes to Paleolithic Man, dating back to 40,000 BC. However, thousands of years passed between gold's discovery and its use as money.

When King Alyattes of Lydia (Western Turkey) introduced the first ever sovereign-backed standardised gold coins somewhere between 619 BC to 560 BC, he brought about a financial revolution in the region with global impact.



Figure 1 - Lydian Stater

The Lydian Stater was the first coin officially issued by a government and was the model for subsequent coinage. The assurance of standard fair coinage backed by scarcity was an innovation that led to growth in commerce and retail throughout Lydia and the region. Long after the Persian conquest, the Lydian Stater lived on, embedded in our global financial system - upto 1971.

2.1.2 The Evolution of Money

While gold initially found value as a currency, it failed to become scalable as a result of its inability to be easily transported and fractionalised.

Physical gold was not without its issues - weight, purity, utility, divisibility, transportability, standardisation and transaction costs to name a few.

Money then evolved from physical gold to **Gold-Backed Paper**, solving portability and divisibility issues. Gold was geophysically limited and acted as a cap on inflationary pressures.

From 15 August 1971, the global supply of money was no longer pegged in any way to the global supply of gold and **Fiat Currency** was born. Relatedly and consequently, global foreign exchange markets emerged with rates now floating rather than fixed. Sovereign currencies now derive their value through their relative worth and are constrained by nothing. Trust is instead placed in a Central Monetary Authority and government fiscal policy.

While the modern monetary system issues currency which predominantly acts as a store of wealth, the modern monetary system does not prioritize the value of that currency as a store of wealth. Various policies increasing and decreasing monetary supply influence interest rates and have far-reaching effects towards inflation, employment, GDP, and overall economic performance and as a result of central banks and governments generally, increase or decrease the supply of money, and hence the value of money, to best stimulate the economy as opposed as to maximize the value of the currency itself.



Bitcoin is the next iteration of currency offering programmatically immutable scarcity with high transaction utility. It is a trustless system requiring no middle man or central authority. Its programmable immutable scarcity ensures that at no time will there ever be more than 21,000,000 Bitcoins. However, to date, Bitcoin has suffered from price volatility.

Fiat-Backed Stablecoins have been developed on an underlying blockchain framework for the integration of sovereign currency (including USD) into the cryptocurrency economy. Such stablecoins ensure that the price of a tethered currency always mimics the currency. This can be achieved through asset-backing or algorithmically.

Gold-Backed Stablecoins are the next iteration of money allowing for *scarcity*, *price stability* and *transactional utility*. These features correlate, respectively, to each of the three features of money:

1. Store of Value
2. Unit of Account
3. Transactional Utility

Money	Scarcity	Stability	Utility
Physical gold	Physical	High	Very Low
Gold-backed paper	Physical	High	Low
Fiat paper	Monetary Authority	Moderate	Moderate
Bitcoin	Tech	Very Low	Very High
Fiat-Backed Stablecoin	Monetary Authority	Moderate	Very High

Gold-backed stablecoin	Physical	High	Very High
-------------------------------	----------	------	-----------

Table 1 - Comparing Money

BullionFX have developed a gold backed decentralized currency, which has also solved inherent problems around comprehensive audit, liquidity, and physical withdrawal.

2.2 Gold Markets Today

Gold markets today are largely paper-traded due to the inherent physical limitations of transporting, verifying, storing, and liquidating physical gold.

There are currently three primary ways to gain exposure to the price of gold:

2.2.1 Physical Gold

The London Bullion Market, a wholesale over-the-counter (OTC) market for trading gold and silver, is the global standard for investment grade physical gold. Trading is conducted amongst members of the London Bullion Market Association (LBMA) and under the auspices of the Bank of England. The public can typically only access this market indirectly through a dealer.

2.2.2 Paper Gold

Paper Gold are exchange-traded products: funds (ETFs), notes (ETNs) and closed-end funds (CEFs) as commonly traded on major stock exchanges.

Gold ETFs require unit holders to have an inherent trust in the issuer, often trade at a premium to spot markets, have no transferability, and require holders to trade units on a centralised marketplace.



2.2.3 Derivatives

Financial derivatives, such as gold forwards, futures, and options, are a third primary way for investors to gain exposure to the fiat price changes of physical gold. While derivatives enable flexibility, they are not backed by scarcity.

2.2.4 Problems worth solving

Both paper gold and paper currency markets suffer from the inherent weakness of the trust-based model. While blockchain solutions have delivered liquidity, transferability, privacy, and security around registries within this space, they have also suffered from the inherent weakness of the trust-based model due to lack of insurance, credibility, and most importantly comprehensive audit and security of an institutional-grade offer.

Money	Exposure	Costs	Access	Utility
Physical gold	Direct	High	Low	Very Low
Gold-ETF	Indirect	Low	High	Moderate
\$GOLD	Direct	Low	High	Very High

Table 2 - Comparing Gold

Digital gold has the benefit of:

- Direct **exposure**
- Low transaction **costs**
- High **accessibility**
- Very High transactional **utility**

2.3.1 Highly Mobile ‘Safe-Haven’ Asset

Physical gold has long been held as a safe-haven asset. Digital gold such as \$GOLD is easy to transact while maintaining direct exposure to the underlying scarcity of a gold asset.

2.3.2 Liquid Portfolio Hedge

Gold has been considered by portfolio managers as a hedge against financial instability. For many investors, exposure to physical gold is cumbersome while trading paper gold requires some expertise and trust in issuers. Digital Gold democratizes this asset class in a secure, scarce and useful manner.

2.3.3 Sovereign-Neutral Stablecoin

By enabling transparent gold-backed stablecoins, traders and financial institutions may consider using gold-backed stablecoins where currency fluctuations or inflation are of concern. A sovereign-neutral gold-backed stablecoin would be more resistant to poor fiscal policy than a fiat or for that matter, a fiat-backed stablecoin.

2.3 Use cases for Digital Gold



3 The BullionFX Solution

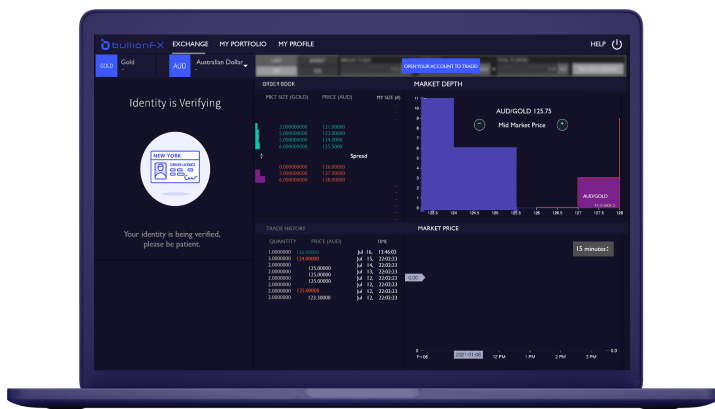
BullionFX have developed and launched two decentralised currencies, and an ecosystem.

3.0.1 Bullion Ecosystem

The Bullion ecosystem will offer users secure infrastructure and full control around the ability to **trade, pay, save, yield, and participate in de-fi, synthetic, and other open source products** creating a decentralized financial ecosystem which bridges the traditional and decentralized world, and the user experience.

The ecosystem will initially launch a platform as a mobile and web application, allowing for the exchange of major currencies into decentralised currencies including \$GOLD.

Section 5.3 of this document describes the Bullion ecosystem and its components in greater detail.



3.0.2 \$GOLD

\$GOLD is a blockchain token allowing each holder a direct ownership of 1 gram of gold bullion per token held.

The \$GOLD token has no minimum or maximum issuance and will always be equal to the amount of physical gold held.

\$GOLD has been designed to provide the upside of paper gold, physical gold, and digital money by offering an institutional grade product backed by gold bars, trusted partners and a trustless blockchain solution.

\$GOLD has solved the industry's inherent problems around audit, liquidity, pricing, reputation, and physical withdrawal

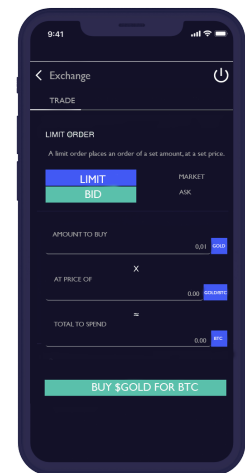
Section 4 of this document describes the \$GOLD token in greater detail.

3.0.3 \$BULL

\$BULL is the utility token of the BullionFX ecosystem.

\$BULL provides holders with special access and privileges to features, discounts and more.

Section 5 of this document describes the \$BULL token in greater detail.





4 \$GOLD Token

4.1 Overview

\$GOLD is a blockchain token allowing each holder of 1 token a direct ownership of 1 gram of gold bullion.

The \$GOLD token has no minimum or maximum issuance and will always have an equal ownership distribution to the amount of physical gold held in the vaults.

\$GOLD can be withdrawn in physical form using the withdrawal processes.

\$GOLD has been designed to provide the upside of paper gold, physical gold, and digital money by offering an institutional grade product backed by gold bars, trusted partners and a trustless blockchain solution.

4.2 Key Processes

4.2.1 Wholesale gold spot market

BullionFX operates an online digital gold asset marketplace that bridges the gap between blockchain and wholesale market liquidity for physical gold. This is achieved through having an automated trading bot that has access to one of the largest institutional spot markets for physical gold trading, where BullionFX can execute both buy and sell orders.

4.2.2 Real Time Token Allocation

When a user buys a \$GOLD token on the BullionFX platform, the trading bot immediately undertakes to settle the trade and transfers ownership of the tokens to the user, this allows professional market makers and

sophisticated users, to have as near to real time trading with \$GOLD tokens as possible, this is necessary to facilitate better liquidity across the wider market, while maintaining the price of \$GOLD as close to the wholesale spot market as possible.

4.2.3 Physical Gold Settlement

Settlement of the physical Gold backing the \$GOLD tokens that have been bought, or sold, and allocated happens at the nearest possible delivery schedule from the partners Brinx and StoneX.

All physical gold is delivered and held in institutional grade vaults located in Singapore, Australia, and various locations which all meet stringent institutional requirements and standards.

4.2.4 Institutional grade audit

\$GOLD is independently audited as a preferred client by BDO Blockchain, a division of BDO Global. The BDO Blockchain audit is of an institutional grade and audit components includes financial, gold verification and purity, gold and blockchain token reconciliation and balances, smart contract security, among many other components continually developed.

4.3 Tokenomics

The allocated \$GOLD tokens has no minimum or maximum issuance and will always be equal to the amount of physical gold held.

\$GOLD is divisible by 18 decimal places allowing for the purchase of fractional amounts. \$GOLD tokens may be purchased or sold at global spot market price through the BullionFX platform.



4.4 Withdrawal

As \$GOLD tokens are backed by gold, they can be withdrawn in physical form subject to minimum requirements.

Currently, the minimum quantity required for physical withdrawal is 1,000 \$GOLD tokens representing 1kg of physical bullion.

Further information can be found online at: www.bullionfx.com/withdraw

4.5 Liquidity

\$GOLD solves the inherent problems the industry faces with liquidity through offering users decentralised trading, and spot market liquidity

4.5.1 Decentralized trading

Existing digital gold solutions force users to trade gold on a centralised platform and participate strictly within their own markets, forcing users to be at ransom to the centralized platforms' published future price. BullionFX have developed \$GOLD as a decentralized solution, offering users the ability to trade on any participating secondary market

4.5.2 Lack of secondary market liquidity

Existing decentralized tokens traded on secondary markets force holders to find buyers within these markets willing to purchase, and does not bridge the gap between these speculative secondary markets and global wholesale gold markets.

Secondary trading of \$GOLD will ensure that any arbitrage between the price of gold and the price of \$GOLD is quickly corrected through

market forces as aided by traders and trading bots.

4.5.3 Spread

BullionFX will strive to eliminate any spread or markup that is not explicitly used to cover the risks and the costs incurred of order execution. Commissions on \$GOLD, if applicable, are paid in \$BULL which allows \$GOLD to undercut any retailer wishing to add any margin on gold and position itself as the most competitively priced product in the market and an ideal product for traders, or as a hedge for markets offering gold products.

4.6 Fees

\$GOLD has a transaction fee of 0.12% payable in \$GOLD.

See section 5.1.1 for further details on the use and distribution of these fees and its interaction with the \$BULL token.

4.7 Technology

\$GOLD is an ERC-20 token on the Ethereum blockchain issued by BullionFX. An ERC-20 token is an Ethereum smart contract that follows a standard protocol for representing custom tokens on the blockchain.

The contract declares basic token characteristics (such as name, symbol, decimal precision) and tracks the total number of tokens, the token balance for each user, and the transfer among users.

As many DeFi applications are built on the Ethereum platform, there will be potential to integrate the BullionFX platform, BullionFX Defi, and third-party DeFi applications.



The benefits of building on Ethereum and ERC-20 include:

- security and availability guarantees of the world’s largest decentralised computer (Ethereum Virtual Machine) and the second largest global blockchain network (Ethereum);
- A simple and familiar smart-contract pattern;
- Publicly verifiable token supply, account balances, and on-chain procedures;
- Ability to integrate with other smart contract applications like distributed exchanges, distributed apps, and swap contracts;
- Broad adoption by crypto stakeholders such as exchanges, crypto asset organizations, institutional investors and retail users;
- Reduced dependency on any single authority due to decentralization; and
- Access to a broad market that includes all individuals with an internet connection.

4.8 Safety and Security

Security around physical gold has pushed many holders into paper gold markets, which has its own separate risks and issues around physical backing delivery, and liquidity.

The application of blockchain technology can provide solutions around security, privacy, and transferability, however problems within existing blockchain solutions include the lack of institutional grade audit encompassing smart contracts, and asset verification. The

lack of scope beyond financial audit among existing gold cryptocurrency products has inherently discredited attempted applications to construct [decentralized](#) gold registries.

\$GOLD tokens and underlying assets are protected through various mechanisms to provide absolute assurance and security around \$GOLD to an institutional standard, while offering protections of a higher grade than paper, physical, and exchange traded gold products.

Our physical gold is purchased from certified dealers, stored in secure vaults and adequately insured. Our digital \$GOLD is equally secured through smart contracts secured by encryption, stored on decentralised nodes and audited by smart contract security experts.

- Asset vendor: StoneX
- Custodian Vault: Brinks
- Insurer: Brinks

Each one of our trusted partners has an extensive record of trust and safety. Trusted parties may change from time to time, for updates please refer to the latest audit report or BullionFX.com.

4.8.1 Independent Auditor

\$GOLD is independently audited by BDO Blockchain, a division of BDO Global. The BDO Blockchain audit is of an institutional grade and audit components includes financial, gold verification and purity, gold and blockchain token reconciliation and balances, smart contract security, among many other components continually developed.

BDO will carry out quarterly audits on \$GOLD.

4.8.2 Financial Audit



-
- Financial statement external audit services for operating entities
 - Agreed-upon procedures and limited assurance engagements
 - AFSL compliance engagements
 - AML/CTF independent assurance and reviews
 - Accounting advice related to treatment of tokens

4.8.2.1 Asset Audit:

- Verification of existence and ownership of underlying assets
- Process controls review and assurance reports supporting asset valuation and existence
- Periodic investor asset statement verification assurance reports

4.8.2.2 Financial Smart Contract Audit:

- Technology reviews, blockchain and smart contract assurance engagements
- Legal compliance advice reviews
- Holistic reviews of linkage of smart contract coding to core business processes and client interaction

For the latest \$GOLD audit report, or for more information about safety and security, see www.bullionfx.com/security.



5 \$BULL Token

5.1 Current Overview

\$BULL is a blockchain based token which represents the Bullion ecosystem, and is purchased and destroyed with transactional fees generated within the ecosystem.

\$BULL provides users with access and privileges in the Bullion Ecosystem.

5.1.1 The Utility of \$BULL

Owners of \$BULL will be to receive a range of benefits within the Bullion ecosystem including:

- Live assistance;
- Discounts on transactional fees;
- Exclusive debit card privileges;
- Cashbacks; and
- Staking rewards.

In the future, additional discounts, cashbacks and benefits may include:

- Settling exchange transaction fees in \$BULL at a discount;
- Liquidity rewards within the BullionFX DeFi ecosystem; or
- Provide liquidity within the Bullion synthetics ecosystem (see section 5.4.4 for further details).

From time to time, BullionFX at its sole discretion may:

- Sell, burn, or utilise tokens in the Bullion Reserve Wallet as a mechanism to balance supply and demand and ensure efficient market operation.

- Change staking tiers, fees and benefits.

The following is a summary of benefits for each staking tier:

Staked \$BULL	VIP Tier	Benefits
1,000+	1	Premium Trading access
10,000+	2	Staking Pool eligibility + 20% rebate on transaction fees
50,000+	3	Metal + Digital display debit card program eligibility
100,000+	4	20% additional rebate on transaction fees
250,000+	5	Ecosystem creator VIP eligibility (to create De-Fi and Synthetic products)
1,000,000+	6	Solid Gold debit card Earn \$BULL on all debit card purchases

Please see bullionfx.com/benefits for the latest benefits to \$BULL holders.



5.2 Blockchain Framework

5.2.1 ERC-20

\$BULL has been developed as an ERC-20 token on the Ethereum blockchain issued by BullionFX. An ERC-20 token is an Ethereum smart contract that follows a standard protocol for representing custom tokens on the blockchain.

For a full discussion on the benefits of this technology, see section 4.7.

5.2.1 Federated Sidechain

BullionFX is implementing a Hyperledger Fabric federated sidechain, in order to solve the critical pain points of previous large scale blockchains. Problems public blockchains experience include networks getting constrained by large numbers of false transactions and similar requests, spamming apps, slow speed of execution, and limited computing power available across the network, leading to slow settlement, or sometimes even rejection, of transactions and high network fees.

The construction of both the \$GOLD and \$BULL smart contracts on Bullion's own federated sidechain address these problems, by offering more scalability, flexibility, zero network fee transactions and usability through its unique mechanism, while enabling vertical and horizontal scaling of decentralised applications on the blockchain and continual adoption for industry advancement.

5.2.2 Bullionchain

BullionFX realize that blockchain technology is growing at an exponential rate, and as such the

development of our own blockchain could offer enormous user benefits.

BullionFX have assembled some of the world's leading experts in cryptography, and blockchain technology involved in some of the industries largest projects, and intend to complete development of Bullionchain. The design of Bullionchain is intended to offer further benefits to \$BULL holders, and will offer all \$BULL holders the ability to swap tokens on a 1:1 basis on launch. For further information please see section 5.4

5.3 Tokenomics

The ERC-20 \$BULL token has 399,888,888 tokens on issue. It is currently distributed as follows:

Description	Tokens
Team & Operational	56,243,215
Ecosystem partners & advisors	36,383,582
Incentive and commissions	40,000,000
Seed investors	37,373,203
Pre-sale allocation	100,000,000
BullionFX Reserve	129,888,888
Total	399,888,888

As the \$BULL token migrates to the Bullionchain, additional tokens may be issued as per section 5.5.7.



5.3.1 Team & Operational

Tokens will be distributed to fund the development of the Bullion ecosystem through incentivizing key staff, advisors, partners, and distribution agents.

Further information on the team, advisory board, and ecosystem partners is available in Section 6 and online at www.bullionfx.com.

5.3.2 Advisors

BullionFX has an ever growing advisory board comprised of the world's leading experts within blockchain, financial markets, and decentralised products, including partnerships with key ecosystem providers

5.3.3 Incentives & Commissions

\$BULL has an ongoing incentive plan in place with key staff, stakeholders, advisors, and distributors on a performance basis, with KPIs and incentives within the mandated limits. The purpose of the Incentive scheme is to maximise the market capitalisation and velocity of \$GOLD, while also outperform market commissions through utilising \$BULL as a mechanism to avoid fees and spread to the price of \$GOLD, which is an inherent trait of the industry and competing products

5.3.4 Seed Investors

Seed investors have supported the development of BullionFX and the ecosystem to date.

5.3.5 Pre-sale

The pre-sale will be available from 15 July 2021 to Eligible Investors only (see: Disclaimer) for a period of 12 months in multiple tranches as

determined by the at the sole discretion of BullionFX.

5.3.6 Liquidity and Staking Rewards

Liquidity and staking rewards are expected to be constantly changing, relative to the market. As the ecosystem develops markets, the relative liquidity and staking rewards will be published on BullionFX.com/rewards

5.3.7 BullionFX Reserve Wallet

BullionFX may sell, burn, or utilise tokens in the BullionFX Reserve Wallet as a mechanism to, including but not limited to; balance supply and demand, ensure efficient market operation, increase ecosystem growth and utility, or reward key partners and loyal ecosystem participants.

Actions with tokens in the BullionFX Reserve Wallet will be taken by the board of BullionFX as and when it is deemed beneficial or necessary.



5.4 Bullion Ecosystem

***Disclaimer:** Investors should review the disclaimer regarding forward-looking statements. Future Developments are contingent on the success of the current platform. Investors should make investment decisions based on current rather than future developments.*

5.4.1 Exchange

The initial product within the ecosystem is the BullionFX trading platform. The initial phase of the platform will allow users to purchase and sell \$GOLD, and other major currencies. The trading platform will evolve to a new UX platform in phase 2, and provide additional integration with payments, yield, de-fi, synthetics, and other components of the ecosystem.

5.4.2 Payments

The payment roadmap includes functionality through global payment providers to offer a range of deposit and debit card products allowing \$GOLD and other digital and Fiat currencies to be utilised as currency at spot rates while providing returns and benefits to the user (see section 5.1.1). The payment roadmap also includes QR, SMS, Email, and P2P transfers globally.

BullionFX partners with leading blockchain payment providers to facilitate full integration directly on some of the world's leading retail platforms and payment providers, to allow users of the Bullion ecosystem to facilitate payments in any currency through any terminal or retailer

Integration within the ecosystem of De-Fi, Synthetic, and Yield products will allow users to receive staking returns on funds, assets, or credit limits held or staked

5.4.3 Yield

The Bullion ecosystem will give users the ability to earn a yield or return on assets held and/or staked within the ecosystem.

We anticipate the development of a fully decentralised DeFi platform (**BullionFX DeFI**), utilising non-custodial wallets, capable of decentralised exchange, peer-to-peer lending, liquidity mining, yield farming, whilst utilising \$BULL as gas.

BullionFX DeFi will allow \$GOLD token holders to leverage their holdings to invest it in any manner they choose including margin trading, peer-to-peer lending, yield farming or liquidity mining.

Bullion will develop its DeFi ecosystem in partnership with DeFi solution providers.

Wherever required, BullionFX will ensure its partners are appropriately licensed or alternatively obtain its own licensing to ensure it can operate effectively as a bridge between traditional financial and decentralized financial application, allowing users to utilise returns in the decentralized ecosystem within traditional financial products.

5.4.4 Synthetics

BullionFX plan to integrate synthetics within the Bullion ecosystem

Synthetic products have the power to allow users to access a range of products representing and/or underwritten by a right or



asset. Synthetics could include tokens representing leading stocks, futures, commodities, property, or other rights and/or assets.

Synthetic integration within the ecosystem will allow users to have easy, decentralised, and autonomous access to a range of products, while also allowing users to create their own synthetics representing assets, rights, and products.

The creation of synthetics can yield a return on any unutilised asset through participating in the forward market, act as security within de-fi markets, or generate yield or return on unutilized assets and resources with demand within the forward of de-fi markets

The roadmap to synthetics will be made publicly available at BullionFX.com/synthetics as the ecosystem develops

5.4.5 Automatic Market Making

BullionFX DeFi will develop or integrate Automatic Market Making (AMM) to allow market makers and takers to interact directly with one another, on non-custodial wallets, intermediated via smart contract. This will enable the decentralised exchange of tokens on BullionFX DeFi including \$GOLD, \$BULL \$USDC or \$ETH.

5.4.6 Liquidity Pools

We anticipate the development of fully decentralised liquidity mining pools, where \$BULL and \$GOLD token holders may stake their tokens in pairs to provide liquidity to the market and earn a fraction of transaction fees occurring in that pool. Additionally, BullionFX may offer \$BULL as reward to liquidity providers.

Liquidity providers should acquaint themselves with the risks associated with liquidity provision, particularly the risk of Impermanent Loss.

5.4.7 Decentralized Reserve Applications

The Bullion ecosystem is considering the development of a Decentralised Autonomous Organisation (DAO) capable of managing reserve functions in a transparent manner replacing the functions of the Central Reserve with a Decentralised Reserve. BullionFX aims to consider the DAO within the development, and open APIs to encourage the adoption of decentralised reserve for corporations, organisations and governments wishing to utilise a transparent reserve ecosystem backed by gold and other assets.

The DAO roadmap will be considered as a development within Bullionchain, and further information will be released with Bullionchain (see section 5.2.3)

5.5 Bullion Blockchain V2.0

5.5.1 Hyperledger Fabric

Bullionchain Choosing Hyperledger Fabric for Bullionchain gives the configurability, privacy, auditability and modularity required to serve the purpose. It has a proven track record of adoption within the enterprise distributed permissioned ledger technology space.

Hyperledger was started as an IBM project and got handed off as an open sourced project to the Linux Foundation. It has been adopted as the permissioned DLT of choice for many official entities like: EU, Dubai, India and China but also within the private corporate sector from some of the largest companies in the



world like A.P. Moller-Maersk, Baidu, Ant Group, BHP, Boeing, Depository Trust & Clearing Corporation, plus many more.

5.5.2 Network Fee's

Running our own permissioned ledger allows us to offer a service where clients can transact between each other free of any blockchain network fees.

5.5.3 Privacy

When transacting on a decentralised ledger, privacy and confidentiality is an absolute must, meanwhile Participants must be identified/identifiable as well. Privacy is important especially for institutional clients, as it prevents the wider market from seeing when they for instance transfer tokens to an exchange, which other market participants could use against them to frontrun.

When members in the network wish to transfer assets between each other, they will wish to keep some information of these TXs private, they can establish a peer to peer private data transfer, and only a proof is kept on the ledger for auditability, and stored in each of the Peers who are authorized for access, eg. an auditor or a regulator can have an “authorized Peer”, connected to those Peers data for which they are authorized to audit.

5.5.4 Auditability

Hyperledger Fabric has granular control of who can see what data, we will publish and give access to the transaction and reserve data such that auditors like BDO can verify the reserves and ownership of \$GOLD tokens. This will enable us to have real time auditing which is published and signed cryptographically to provide all holders of \$GOLD with total

confidence in the solvency of the company and currency in an automated fashion.

5.5.5 Compatibility

Bullionchain can run all the same De-fi contracts like automated lending and settlement, swap contracts providing leverage, Yield providing contracts etc. which also run on the public ledgers like Ethereum. In addition Bullionchain also has a “connecting bridge” which makes it possible to directly engage with other blockchain ecosystems, such as Ethereum smart contracts (de-fi, DEXs, derivatives etc.), but making it possible to engage with those contracts from a safe and secure infrastructure. Building on Hyperledger makes tapping into other Hyperledger based networks like BSNbase, Dubai Digital Silk Road, HSBC, We-trade plus many many more, to make settling and engaging in Gold tokens seamless across various compatible ecosystem networks.

5.5.6 Additional information

BullionFX have assembled a world class advisory team to commence detailed design of the Bullion Blockchain V2.0. The whitepaper for Bullion V2.0 will be publicly available on the 1st July 2022.

5.5.7 Token cap

BullionFX may increase the token maximum when releasing the Bullion V2.0 depending on the scope and value global partnerships may provide.

The purpose of the increased cap will allow BullionFX to issue new tokens to major partners and products relevant to the ecosystem, and finance an incentive pool.



Currently the planned increase of token cap is as follows;

Description	Tokens	%
\$BULL ERC-20 Swap	399,888,888	67
Partnerships & Product (de-fi / synthetics)	40,000,000	7
Liquidity	40,000,000	7
Incentives (\$GOLD & Velocity)	40,000,000	7
BullionFX Reserve addition	80,000,000	13
Total	599,888,888	100

BullionFX will continually announce further partnerships, acquisitions and status updates of Bullionchain at Bullionfx.com/Bullionchain, in connection with this the token cap is subject to change.



6 The Company

6.1 Company

BullionFX is a company incorporated in the Cayman Islands, with a subsidiary in the UAE (head office) and Australia. BullionFX plans to operate subsidiary offices and open further offices in Asia, Europe, and the US pending further advice and licensing.

BullionFX holds relevant Virtual Asset licences in the Cayman Islands where it issues tokens, and the UAE where it is headquartered and operates.

6.2 Team

For an up to date list of the BullionFX team and advisory board, see bullionfx.com/about#Team

6.3 Offices

BullionFX's Headquarters is located at the Almas Tower DMCC, Dubai, UAE and The Cayman Islands, at 69 Doctor Roys Drive, Grand Cayman KY1, 1104.

For a full list of BullionFX offices please see BullionFX.com/locations

6.4 Contact Us

For up to date contact details please see our website, BullionFX.com/contact.