

# **White Paper**

# **GoldChain (GC)**

5<sup>th</sup> October 2021

## **Disclaimer**

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## **INTRODUCTION**

Cryptocurrency is the general term used in referring to both digital coins and digital tokens, the more exact general term is cryptos. A crypto is a digital representation unit of monetary value secured by cryptography. Cryptos exist both on centralized and decentralized exchanges using blockchain technology that makes it nearly impossible to counterfeit or double-spend cryptos. Often, the only barrier to accessing cryptos is connecting to the internet.

A defining feature of cryptos is that they are generally not issued by a government authority or a central bank but by a blockchain algorithm, rendering them theoretically immune to government interference or central bank manipulation. Unlike fiat currency, the price of a crypto is based purely on the supply and demand for the crypto OR supply and demand of the crypto combined with the intrinsic value of the underlying asset. Cryptos serve many purposes including wealth creation, preservation of wealth, and functioning as a medium of payment. These benefits of anonymity, borderless transferability, security, and advantages have led to a strong growth in the popularity of cryptos.

The largest and most well known crypto is Bitcoin and has proven very popular. Bitcoin is a relatively recent creation, being introduced on 31<sup>st</sup> October 2008. At present, there are over 5,000 cryptocurrencies with users exceeding 40 million. It is estimated that 5%–8% of adults in the USA own cryptocurrencies (Statista Global Consumer Survey).

## **GOLDCHAIN TOKENS**

GoldChain token (“GC”) is a digital token providing holders the opportunity to share in the success of GoldChain ecosystem and revenue sources. Each GC is a utility token that represents an undivided share ownership of GoldChain ecosystem covering assets, services, technology, token appreciation, and cash distributions without actual ownership. GC are like ownership of stocks in the traditional stock market without liability incurred through actual ownership of the business. GC are tradeable blockchain technology-based tokens offering holders the benefits of profit-sharing and price appreciation of the GoldChain ecosystem with “business liability”.

## SUKUK GC

Sukuk are Sharia compliant financial instruments that can be defined as "certificates of equal value representing undivided shares in ownership of tangible assets and services based on a spot payment for a future return of the principal payment". Sukuk financial instruments have steadily grown in demand over the past decade as the Islamic community increasingly seeks Shariah compliant financial instruments. A Sharia financial instrument offers the owner a risk profile and economic return often akin to a conventional bond. This has led to several successful high-profile corporate issuances and several sovereigns issuing Sharia compliant financial instruments to tap this growing and profitable market.

Broadly speaking, compliance with Sharia means that (i) *Profits are derived from commercial risk-taking and trading* and; (ii) *Interest income or charging of interest is prohibited*.

Sukuk GC tokens ("Sukuk GC") will be GC tokens issued as trust certificates for use by GoldChain to raise funds (the obligor) to develop and operate the ecosystem including the purchase of assets. GoldChain will issue the Sukuk GC (trust certificate) to subscribers with the rights of GoldChain as financier held under a trust, in favor of the Sukuk GC (certificate holder). Sukuk GC, while remaining compliant with Shariah Law, will fill the gap between Islamic financing and global capital markets.

In the initial phase, GC tokens will be issued to Sukuk GC subscribers based upon a centralized blockchain technology stored in a trustee-controlled wallet. The subscription proceeds will fund the development of the GoldChain ecosystem. During the initial subscription round and after achieving the minimum subscription, the subscribed GC tokens will be converted from the centralized blockchain technology to a decentralized blockchain technology using the Tron RC20 ("TRC20") smart contract platform. Subsequent GC issuances will use the TRC20 smart contract platform.

GoldChain is implementing this prudent process to protect initial subscribers in the unlikely event that the minimum subscription is not reached, ensuring funds can be returned. A lifetime cap of GC is established at ten million GC's to protect long-term value and avoid dilution for GC holders. The intended use of subscriptions is as follows:

Token Allocation		Funds Allocation	
Reserve Fund	30%	Engineering and Development	40%
Token Sale Program	25%	Business Development	15%
Founders	20%	Marketing & Promotion	10%
Ecosystem Development	10%	Legal & Regulation	10%
Marketing and Bounty	10%	Operational & Administration	15%
Board Advisors	5%	Partners	6%
		Contingency	4%

## **BEST PRACTICES & STANDARDS**

GoldChain's ecosystem will maximize value to GC holders through compliance with international best practices and standards. Consequently, it will be necessary for potential GC holders to provide customary subscriber identification information, complete a "Know Your Client" questionnaire and satisfactorily pass anti-money laundering questionnaires and regulatory guidelines. Once a potential subscriber passes these due diligence checks, they are eligible to subscribe to GC tokens.

## **GOLDCHAIN COMMITMENT AND WARRANTY**

GoldChain commits to transparency and operating integrity for GC token holders. Blockchain technology will be implemented for GC tokens to offer global access, ensuring legal compliance to terms and conditions while using smart contracts to maintain accurate & up-to-date GC token market prices and defined cash distributions.

## **GC OFFERING (TOKENOMICS)**

The initial offering of GC tokens will occur during a crowdfunding period closing before or on 30<sup>th</sup> December 2021. Payment for GC tokens will be made exclusively using USDT.TRC20 tokens. Funds raised will be invested into developing the GoldChain ecosystem, GoldChain Exchange, USG Trading Venue, Uniswap liquidity provider matching engine, purchase gold inventory, undertake minting and launching of XAUs stable coins, and secure necessary licenses.

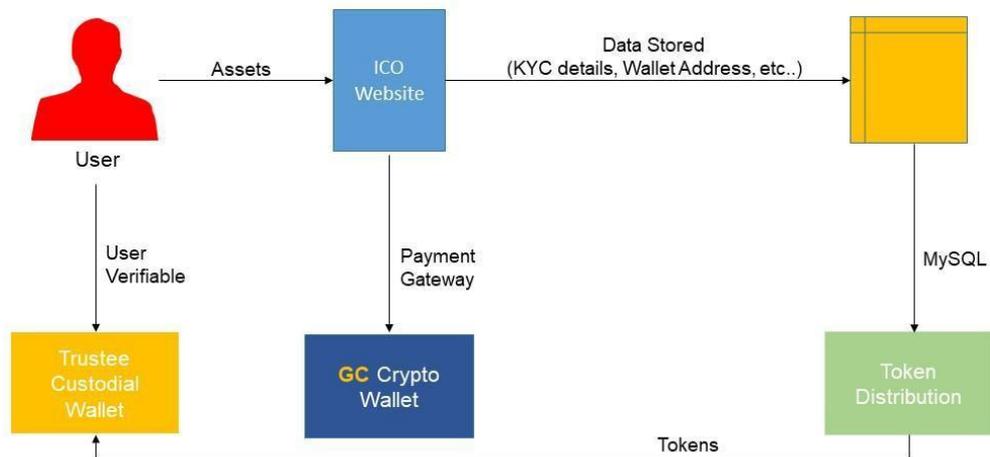
The initial offering of GC tokens will be priced at 10 USDT per GC token limited to 700,000 GC tokens with a 350,000 minimum GC tokens cap. In the unlikely event the minimum subscription of GC tokens is not achieved by the closing date, funds collected will be returned to subscribers by the Trustee Wallet. After the initial offering period, the GC token's subscription price may

increase depending on demand. Three million GC tokens will be allocated to the founders of the business at no cost that cannot be sold until the start of 2026. The scheduled fundraising is:

### GOLD CHAIN

TOKENOMICS	STAGE 1	STAGE 2
Token Ticker "GC"	GC	GC
Category	Sukuk Token	IDX
Purchase Venue	Sukuk Network/ Exchange	GC's Exchange
KYC/AML Compliant	Required	Not required
Circulating Supply	PRE ICO 700K	1.3 million
Listing Price	10 USD	Projected 11-13 USD
Market cap 10 million GC	7 million USD	15 million USD

### CROWDFUNDING PLATFORM ARCHITECTURE



### RESTRICTIONS ON GC

Subscribed GC tokens can be traded on the GoldChain Exchange, two years after the date of subscription. The GoldChain Exchange is expected to be established on or before February 2022.

## **INTRODUCTION TO ECOSYSTEMS**

An ecosystem consists of a blockchain that is designed to create a special environment comprising a group of elements that have been developed to interact with each other and the world. There are different types of ecosystems each designed for a specific purpose and include independent elements that form a special ecosystem with one another. A blockchain user fee is charged within an ecosystem to process transactions. The main elements of an ecosystem are:

- Community Participation – these are people investing in the development or operations of the ecosystem to capture value from the future success of the ecosystem.
- Users – holders of tokens undertaking transactions for various purposes such as trading, investing or purchases.
- Miners – for the token blockchain to effectively operate and to ensure integrity of transactions, miners confirm transactions occurring on the blockchain infrastructure and add new data of a transaction to the blockchain network infrastructure. Miners identify encryption used in transaction data and compete with other miners to decrypt the codes of each transaction. Any miner that can decrypt the transaction faster will gain a part of the transaction fee as a reward.
- Developers - work on the existing programs on the blockchain infrastructure to maintain and ideally improve the blockchain to become practical and increase network capability and function.

The World Economic Forum has predicted that within five years more than 10% of the global GDP will be stored on blockchain ecosystems.

## **GOLDCHAIN ECOSYSTEM**

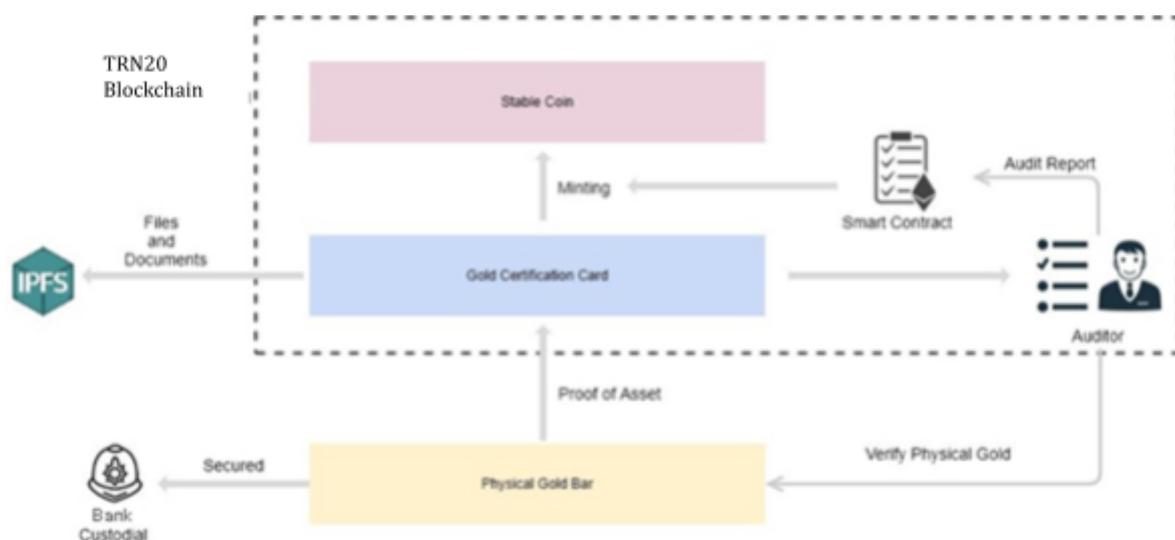
The GoldChain ecosystem is an exciting innovation within the cryptocurrency world, offering investors the opportunity to profit from the success of the GoldChain ecosystem. GoldChain's ecosystem encompasses business assets, infrastructure, licenses, GC tokens, XAUs stable tokens, centralized and decentralized applications including smart contracts, GC Wallet (branded as "Goldex Vault"), USG Trading Venue, GC Exchange, gold inventory, and other property to sustain profitable operations including the generated revenue. GoldChain is planning to develop its own

gold vault and obtain a digital banking license that is expected to increase its integrity as a business and solidify its compliance with regulations apart from substantially increasing its potential revenue.

GoldChain will principally generate revenue through the functionality of XAUs stable tokens (“XAUs”). XAUs has been developed to be a better solution and will offer more benefits, compared to other stable cryptos in existence. Consequently, XAUs are expected to be highly sought after and also expected to gain popularity from a wide variety of individuals, corporations, institutions, traders, gold producers, risk managers, and bankers throughout the world, seeking to benefit from a token represented by gold and operating on the GoldChain ecosystem.

## **XAUs STABLE COIN**

XAUs is an innovative stable token representing 0.425g of physical gold secured by blockchain technology and redeemable for physical gold. With gold as its 100% underlying asset, XAUs will provide greater intrinsic value to holders when compared to other stable tokens represented by a fiat currency and even more so for coins that are not represented by any underlying asset altogether. XAUs, representing gold weight, offers attractive value to its holders as it is a well known fact that gold has steadily stood the test of time, in terms of; preserving wealth and as an acceptable method of payment throughout the world.



For every 10 XAU (the smallest weight for XAU) being released into circulation, a corresponding equivalent 4.25gms of gold will be minted (1 XAU = 0.425gm of gold). 200 XAU (largest weight for XAU) will correspond to an equivalent of 85 gms of minted gold. The minted gold will be stored within the vault of a Custodial Bank and/or GoldChain's own gold refining facility, guaranteeing physical gold settlement. Initially, physical gold settlement will be processed only for a minimum of 100XAU and delivered to the nominated address, with delivery charges being borne by the receiver. In the future, with further development of GoldChain stores, physical gold settlements can be accomplished with reduced delivery costs.

XAU are likely to become particularly popular within the Islamic community expected to be used when undertaking commercial transactions, investments and preserving wealth. 10XAU can be exchanged for one Islamic Gold Dinar coin standard with the weight of 4.25 gm. The Worldwide Islamic Community is estimated at 1.4 billion and Shariah compliant tokens are currently underserved, providing a substantial opportunity to serve and leverage this market through XAU tokens.

Upon analysis and when being compared to other popular investment assets and cryptos, the benefits of XAU become very apparent.

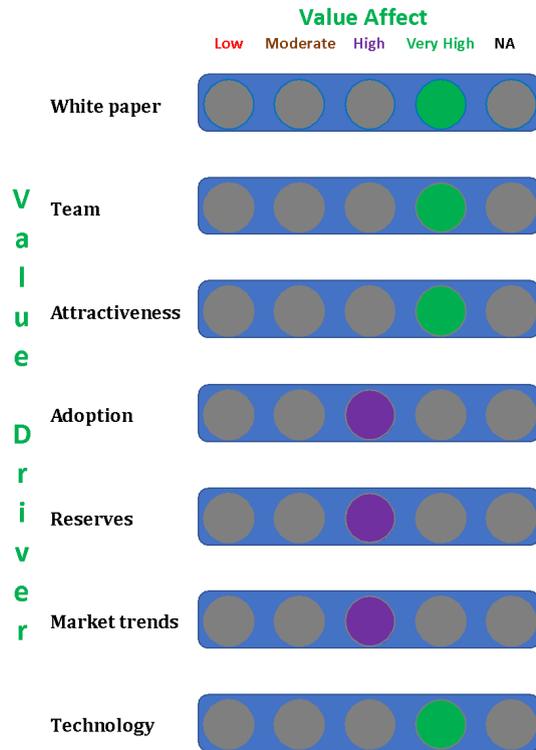
ASSET	INTRINSIC VALUE	PRESERVING WEALTH	PRICE VOLATILITY	EASE OF TRANSACTION
Physical Gold	Very High	Very High	Low	Very Low
Gold Backed Paper	Moderate	Moderate	Moderate	Very Low
Fiat Currency	Low	Moderate	High	Very High
<b>XAU</b>	<b>Very High</b>	<b>Very High</b>	<b>Low</b>	<b>Very High</b>
Cryptocurrency	Very Low	Low	Very High	High
Fiat - Stable Coin	Moderate	Moderate	High	High
Gold - Stable Coin	High	High	Low	Very High

\*XAU performance is highlighted in yellow in the table above.

## GC TOKEN VALUE DRIVERS

Business value drivers are an indication of success that can be achieved for a crypto ecosystem. The widely recognized main value drivers are the effectiveness of the white paper, team capabilities and experience, value or problem-solving proposition, adoption rates, business cash

reserves, market trends supporting demand for cryptos, and technology. Applying these value drivers to the GoldChain provides the following analysis:



GoldChain has a positive outlook for success based on its high-ranking value drivers displayed above.

## ECO SYSTEM REVENUE SOURCES

In the initial phase, GoldChain’s ecosystem will rely heavily on FIVE PRINCIPAL REVENUE STREAMS to maximize ecosystem value, achieve revenue diversity, and realize long-term growth. The initial revenue sources are minting and selling of XAUs, Market Makers Leveraging XAUs trading, GoldChain Exchange revenue, selling of GoldExVault Wallet, and the joint venture of tokenization with banks.

## REVENUE 1

### MINTING & TRADE OF XAU<sub>s</sub> AGAINST PHYSICAL GOLD (USG PLATFORM)

GoldChain ecosystem will earn a small fee in the issuance of minted XAU<sub>s</sub> and a flat trading commission for the trading of XAU<sub>s</sub> against gold on the GoldChain Trading venue (USG Platform). The benefits and solutions offered by XAU<sub>s</sub> will generate and grow demand for XAU<sub>s</sub> leading to solid minting over time.



GoldChain Trading Venue (USG) combines state of the art software and hardware components of matching engine technology that allows forex traders to match their trades through multiple liquidity providers.



USG offers game changing technology that allows the creation of a new generation of transparent, distributed, and independent ECN forex market where forex brokers can build liquidity based on institutional LPs and retail clients' orders.

## REVENUE 2

### MARKET MAKER LEVERAGE XAU<sub>s</sub> TRADING

Market Makers leverage trading revenue is generated by GoldChain sharing the gold arbitrage profit with market makers brokers trading XAU<sub>s</sub>. GoldChain will earn a profit share of the gold weight traded.

## REVENUE 3

### GC EXCHANGE

The GoldChain Exchange will be a regulated cryptocurrency exchange operating under the law of Estonia. Revenue will be earned from trading XAUs against other crypto assets, listing and trading of other cryptos and transactions fees revenue.

- Regulated Exchange by the Estonian Government providing assurance of compliance to EU & international standards, transparency, and integrity to participate on the exchange.
- Protection of Personal and Transaction Information protected through encryption using MD5 technology and a decentralized blockchain network.
- Secured Blockchain Ledger using a decentralized blockchain with advanced encryption and verifications ensuring information is accurate and safely stored. This prevents virtually *any* unauthorized access to the information.
- Low Transaction and Trading Fees making GC Exchange attractive because of its market competitiveness.

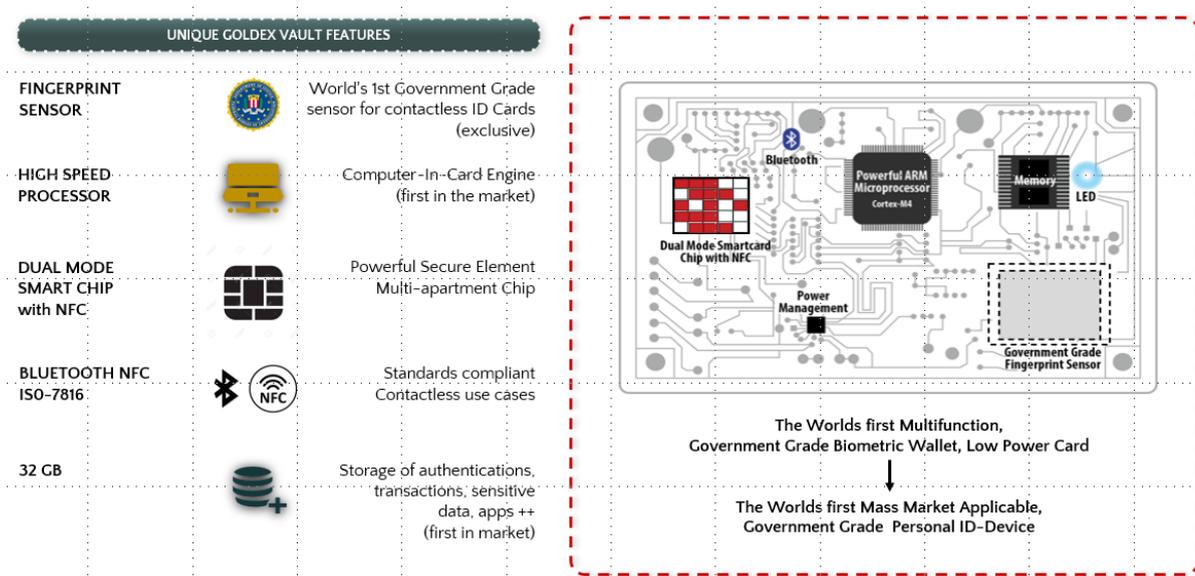
LIQUIDITY. XAUs' pricing and liquidity will be provided through the world class and trusted Uni Swap. It is important that when a sell or buy transaction is requested it can be completed in minimum time. Liquidity enables the transaction to occur without delay. Unfortunately in some cases, an exchange may not have sufficient liquidity to ensure the processing of transactions in minimum time. These could arise when there is an unexpected influx of trades at a particular time. This is a common issue with crypto exchanges today, especially so for new exchanges. One solution has been the development of third-party market makers to provide liquidity to exchanges. A popular third-party market maker is Uniswap.

Uniswap is a decentralized exchange using an "automated market-making" protocol with a wide array of Ethereum-based tokens. Market making is done automatically via smart contracts but assets for the algorithm to make markets with the exchange are provided by investors throughout the world. These assets are converted by Uniswap into a liquidity provider (LP) token. LP tokens represent a share of a liquidity pool and can be exchanged for that percentage of underlying tokens on the exchange. In return, liquidity providers receive 0.30% of the transacted trade of the underlying token. The LP tokens can be redeemed at anytime for the original investment asset.

## REVENUE 4

### BIOMETRIC WALLETS (GOLDEX VAULTS)

The GoldExVault Wallet will be the world’s first biometric wallet, made available for purchase by users, which will drastically minimize the risk of theft and/or loss of public and private keys. This wallets features include but not limited to - (i) highly secure end to end encryption to protect private keys, increasing security whilst reducing transaction complexity; (ii) allows for the storage of GC tokens, XAUs and other cryptos, with 32GB of Data storage; (iii) Joint signature/joint approval for a transaction to take place; (iv) verifies all the transactions in your history using Simple Payment Verification (SPV) & (v) Bluetooth 5.5 & NFC on board..



## REVENUE 5

### BANKS (TOKENIZATION)

GoldChain, will have business opportunities to work with banks, in the tokenization of gold held as a security for loans. In turn borrowers will be paid in XAUs supported through tokenization. Goldchain will share in the profits with banks through tokenization while providing the benefits of:

- Up-to-date mark-to-market gold balance sheet value.
- Reduced insurance costs relating to holding the gold security.
- XAUs blockchain technology eliminates human reporting and transaction errors.
- Achieve best available gold market prices in disposing of unclaimed and forfeited gold security.
- Avoid selling at discount for immediate sale of large weights of gold.
- Improve risk gearing management.
- Offer opportunities to create new trading and risk management products.
- Physical Gold Storage

## **CONCLUSION**

Subscribing to GC tokens allows participation in the much anticipated success of the GoldChain ecosystem and income generated from XAUs stable tokens. XAUs will truly be unique within the crypto market due to its nature of being redeemable for physical gold and estimated to be in great demand amongst the 1.4 billion strong, Islamic community. Participation in the foundation of the GoldChain ecosystem and innovative XAUs stable tokens is an exciting but limited opportunity to share in the anticipated success.

## **IMPORTANT CONSIDERATIONS**

Please read this section carefully. It contains important information about the nature, purpose, and limitations of this whitepaper as well as what you acknowledge, accept, and agree to should you choose to read this whitepaper.

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Interested parties should, amongst other things, conduct their own investigations and analysis of GoldChain.tech, GC tokens, and XAU's tokens. This includes seeking further information and professional advice as to its use and value.

Restricted Persons. The sale of GC tokens is not directed at, and each purchaser of GC tokens will be required to represent, among other things, that they are not: (a) a citizen, resident (tax or otherwise) of, a person located or domiciled in, or any entity organized in or owned by certain persons in (i) the United States, or (ii) Cuba, Democratic People's Republic of Korea (North

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You must make your own assessment as to your ability to purchase GC tokens pursuant to laws applicable to you and to confirm that you are not a Restricted Person. No registration or other action has been or will be taken in any jurisdiction that would, or is intended to, permit the sale of GC tokens in any country or jurisdiction where registration or other action for that purpose is required. None of GoldChain.tech or any GoldChain.tech Associate makes any representation or warranty to any potential purchaser of GC tokens as to the legality of a purchase of GC tokens by such purchaser under the laws applicable to such purchaser.

**Purchaser Sophistication.** GC tokens are speculative and involve a high degree of risk and uncertainty. The sale of GC tokens is aimed solely at persons who have sufficient knowledge and understanding of blockchain and cryptographic tokens and other digital assets, smart contracts, storage mechanisms (such as digital or token wallets), and blockchain or distributed ledger technology, to be able to evaluate the risks and merits of a purchase of GC tokens and can bear the risks thereof, including loss of all amounts paid and loss of all GC tokens purchased. Potential purchasers must independently assess, after making such investigations as they consider necessary, the merits of, and their suitability for, purchasing any GC tokens.

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