

# Tokenized Physical Assets

Whitepaper



**AURUS**

***Gold is a constant.  
It's like the North Star.***

Steve Forbes, founder of Forbes.

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# 1.

## Executive Summary

Aurus empowers the traditional precious metals industry, providing the software, network and blockchain infrastructure to help businesses accelerate their digital transformation and access a huge market of untapped potential via the power of decentralized technology.

Our goal is to make gold, silver and platinum globally accessible and productive assets, for anyone to easily protect and grow their wealth using the most stable and well-known commodities in human history.

Aurus aims to be the bridge between the traditional precious metals market and the new crypto economy by using blockchain technology to create convenient metal-backed cryptocurrencies that are accessible to individuals and organizations all over the world to own, trade, and use.

We achieve this by providing Tokenization-as-a-Service on the Ethereum public blockchain to qualified commodity providers who account for an estimated 30% of the precious metals market. Now, these established businesses can mint and distribute their own precious metal-backed tokens, earning passive rewards from the trading activity of the gold, silver, and platinum tokens.

Aurus precious metal tokens tGOLD, tSILVER, and tPLATINUM are 1:1 backed by physically allocated gold, silver and platinum bullions sourced from LBMA, DMCC and LPPM accredited refineries. Physical gold, silver, and platinum are stored in partnered, fully-audited, and insured vaults across the globe.

Aurus metal tokens create a decentralized precious metals market by enabling established bullion traders and providers to tokenize metals from almost any location in the world, using the highest standards and a world-class framework to replicate the traditional market in a digital way.

By allowing highly reputable bullion traders and providers to use a single protocol and framework to tokenize precious metals, Aurus is creating a large, independent, decentralized, and easily-scalable precious metals market that cannot beholden to any central government organization.

Aurus' business model and token mechanisms are designed for simplicity, trustworthiness, and ease of use. Our team makes efforts on all fronts (legal, compliance, design, finance and technology) to ensure that we provide ease-of-doing-business to our Partners (Vaults, Providers and Distributors) and tokens that its holders can trust, trade and benefit from.



# 1.1. Aurus Tokens

## tGOLD (tXAU)

- 1 gram of 99.99% LBMA-accredited gold
- An ERC-20 token deployed on the public Ethereum blockchain
- Backed by gold bullion sitting securely in a specialized, fully insured, and audited vault
- Created by established and approved gold traders around the world
- Fully backed by gold bullion, traceable through a Smart Contract
- Redeemable to physical gold at any time
- 100% liquid to fiat money or gold bullion



## tSILVER (tXAG)

- 1 gram of 99.9% LBMA-accredited silver
- An ERC-20 token deployed on the public Ethereum blockchain
- Backed by silver bullion sitting securely in a specialized, fully insured, and audited vault.
- Created by established and approved silver traders around the world
- Fully backed by silver bullion, traceable through a Smart Contract
- Redeemable to physical silver at any time
- 100% liquid to fiat money or silver bullion



## tPLATINUM (tXPT)

- 1 gram of 99.95% LBMA-accredited platinum
- An ERC-20 token deployed on the public Ethereum blockchain
- Backed by platinum bullion sitting securely in a specialized, fully insured, and audited vault.
- Created by established and approved platinum traders around the world
- Fully backed by platinum bullion, traceable through a Smart Contract
- Redeemable to physical platinum at any time
- 100% liquid to fiat money or platinum bullion



## AurusX (AX)

- An ERC-20 token deployed on the public Ethereum blockchain
- Limited to 30,000,000 tokens
- Entitled to a proportional share of 50% of the fees generated by tGOLD, and 30% of the fees generated by tPLATINUM.



## 1.2. Our Vision of Precious Metals as a Cryptocurrency

tGOLD is well-positioned to succeed as a gold-backed token on the Ethereum blockchain because it fully meets the definition of money. tGOLD starts with gold's unmatched history as a store of value and a unit of account. By adding the advantages of cryptocurrencies as a medium of exchange, tGOLD is designed to be the perfect currency.

tSILVER and tPLATINUM have since been added to the platform's offerings as we seek to reposition both silver and platinum as a highly accessible, convenient and liquid digital assets.

## 1.3. Aurus Fees and the Distribution of Fees

While a long-term vision is essential, we also know that reasonable fees are crucial to success in the present. Aurus charges modest fees associated with the usage of tGOLD, tSILVER and tPLATINUM. There are no native fees associated to AurusX.

### tGOLD

- Transaction fee 0.18%
- No storage Fees
- Minting 0.5%
- Burning fee 1%

### tSILVER and tPLATINUM

- Transaction fee 0.18%
- No storage Fees
- Minting 1%
- Burning fee 2%

All accumulated transaction, minting and burning fees are distributed back to the ecosystem as follows: 50% of tGOLD fees to AurusX holders, and 50% to Aurus minting partners (25% Vaults, 25% Providers). With tSILVER and tPLATINUM 30% goes to AurusX holders, and 70% to minting partners (35% Vaults, 35% Providers). The difference in



fee share for silver is due to the smaller market size accompanied by higher handling and storage costs. The protocol's unique fee distribution mechanism enables the Aurus ecosystem to be highly scalable and financially self-sustaining.

## 1.4. The Precious metals Market

Aurus begins with a strong foundation in the precious metals market. tGOLD, tSILVER and tPLATINUM were designed to meet the high standards of precious metals investors. Aurus metal tokens can only be backed by physically allocated gold, silver and platinum bullions sourced from refineries that are accredited by global precious metals certification authorities, such as the LBMA, DMCC and LPPM. Additionally, the decentralized vault partnership structure protects token holders from idiosyncratic risks. Global vault delegation also enables local vaults to remain competitive with the centralized vaults used by other gold-backed cryptocurrencies. Similarly, Distributor Partnership helps existing physical bullion dealers remain competitive and gives Aurus metal tokens broader organic distribution.

## 1.5. The Web and Mobile Payments Market

The web3 and mobile payments market is dominated by network externalities, so starting with a solid foundation in the precious metals market helps Aurus immensely. Since Aurus metals tokens have the stability of gold, silver, and platinum, consumers searching for a more stable cryptocurrency are another group of potential early adopters. As stability seekers adopt tGOLD, tSILVER, and tPLATINUM, merchants will become more willing to accept Aurus metal tokens directly as payment.

## 1.6. The Cryptocurrency Market

The stability of tGOLD, tSILVER, and tPLATINUM is likely to attract more users during declines in the overall cryptocurrency market. That will subsequently increase the rewards that AurusX receives from Aurus metal tokens fees, which in turn increases the price of AurusX. The countercyclical strength of all Aurus Ecosystem tokens makes them attractive to cryptocurrency users, traders, and exchanges. The fact that AurusX operates more like a traditional business and generates passive rewards could also prove as a welcome addition for digital asset investors.

## 1.7. Aurus Tokenization Standards

Aurus has secure token minting and burning procedures so that each precious metal token is fully backed by one gram of the underlying physical metal with the highest purity, exclusively refined by LBMA, DMCC and/or LPPM member refineries. Only approved



Provider Partners (professional bullion traders of the highest integrity) are capable of initiating the Aurus minting process, and new tokens are only minted after the gold, silver or platinum bullion is audited, stored and accepted by approved Vault Partners. When physical bullion is withdrawn from the Aurus system, the appropriate number of metal tokens are burned.

## 1.8. Future Plans

Aurus is in the tokenization business. The technology behind Aurus is very versatile allowing the expansion and incorporation of other commodities in the future. Hence streamlining the commodity trading business.

## 1.9. Conclusion: A Market Based Growth Story

Aurus will be able to attract users and enrich investors by offering cryptocurrencies with the stability of a precious metals-backing. Ultimately, Aurus is in the business of tokenizing real-world assets and will be able to continue to grow by tokenizing other commodities and goods in the future.



**2.**

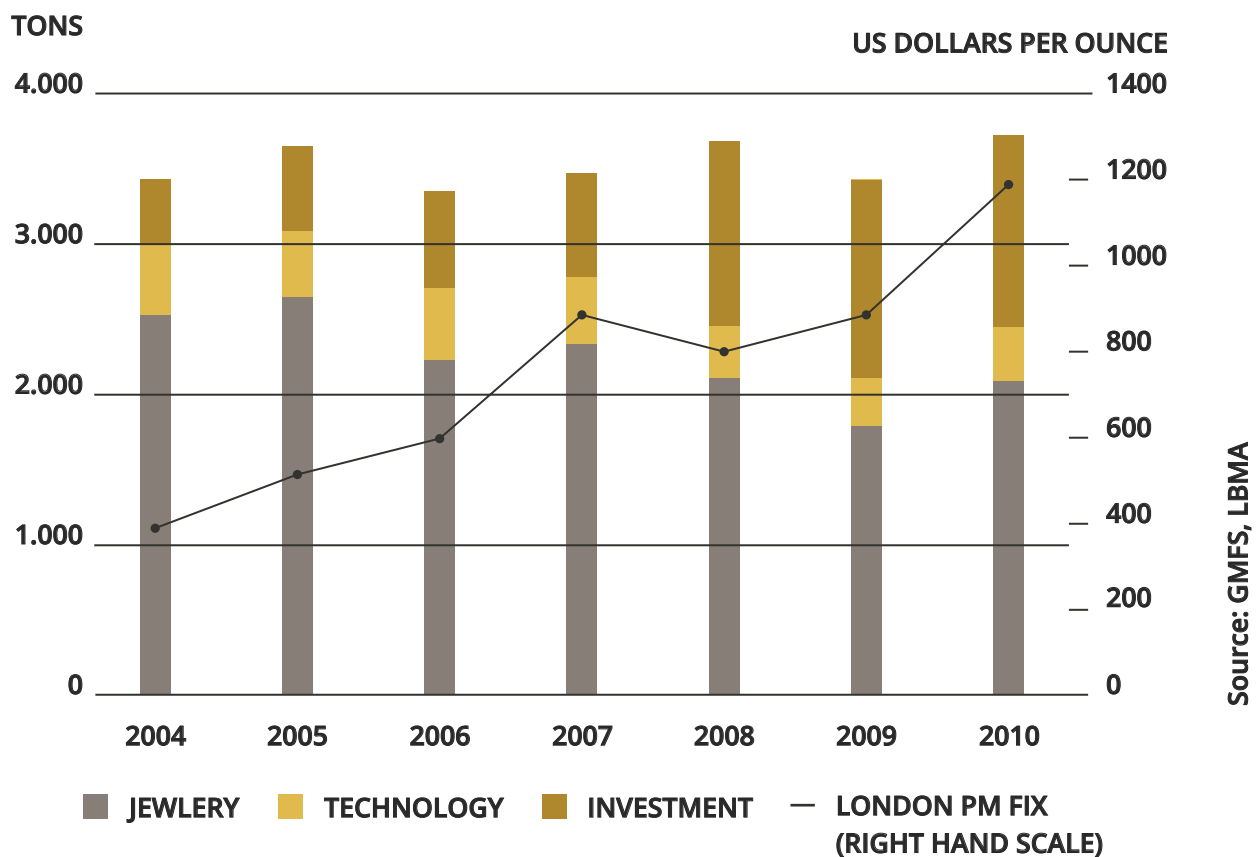
**Our Vision:  
Precious Metals as  
Cryptocurrency**

## 2.1. Currency and the Definition of Money

What is money? Answering that simple question explains why so many currencies fail and why some succeed. Most economics textbooks use a definition derived from Jevons (1875) to define money as a store of value, a unit of account, and a medium of exchange.

## 2.2. The Failure of Fiat as a Store of Value

Fiat currencies have failed as a store of value. The US dollar has lost approximately 97% of its purchasing power in relation to gold in the nearly 50 years since the United States went off the gold standard in 1971 (LBMA, 2018). The euro has lost over 75% of its value on a gold basis since the single European currency debuted in 1999 (LBMA, 2018). No fiat currency has maintained its value against gold in the long-run.



## 2.3. The Failure of Cryptocurrencies as Units of Account

The most successful cryptocurrencies, such as Bitcoin and Ethereum, have appreciated in price substantially. They have been far better stores of value than fiat currencies during the few years that they have existed. However, they are so volatile in price that they cannot function as units of account. Most goods continue to be priced in fiat money. With Aurus, goods and services can be priced in grams opposed to units of fiat money.



## 2.4. The Failure of Precious Metals as a Medium of Exchange

Precious metals (primarily gold) have served as a store of value for thousands of years, making it the best long-term store of value. What is more, they also serve as an excellent unit of account. When fiat money fails, we usually revert to accounting on a gold basis. We did so ourselves earlier in this paper to illustrate the decline of the US dollar and the decline of the euro.

Where physical metals fail is as a medium of exchange. Bullions and Coins are physically cumbersome and cannot be subdivided into small enough denominations for effective use in everyday transactions. Furthermore, most transactions today are conducted electronically, where physical metals cannot be used directly.

## 2.5. tGOLD: The Definition of Money

By creating precious metal-backed tokens, Aurus seeks to add the advantages of cryptocurrencies with the advantages of physical gold, silver and platinum. tGOLD, tSILVER and tPLATINUM function as excellent stores of value and will even be able to serve as units of account as they are 1:1 backed by physical gold, silver and platinum. As digital tokens on the Blockchain, Aurus metal tokens serve as a medium of exchange by allowing the division of a gram to 18 decimal places and enabling decentralized electronic transactions using gold, silver and platinum.

	Store of Value	Unit of Account	Medium of Exchange
<b>tGOLD Tokens</b>	Yes	Yes	Yes
<b>Physical Gold</b>	Yes	Yes	-
<b>Pure Cryptocurrencies</b>	-	-	Yes
<b>Fiat Money</b>	-	Yes	Yes

Although other cryptocurrencies have attempted to combine the advantages of gold and other precious metals with the advantages of pure cryptocurrencies, all of them have been too centralized, or attempted to play too many money games to cover costs or make profits.



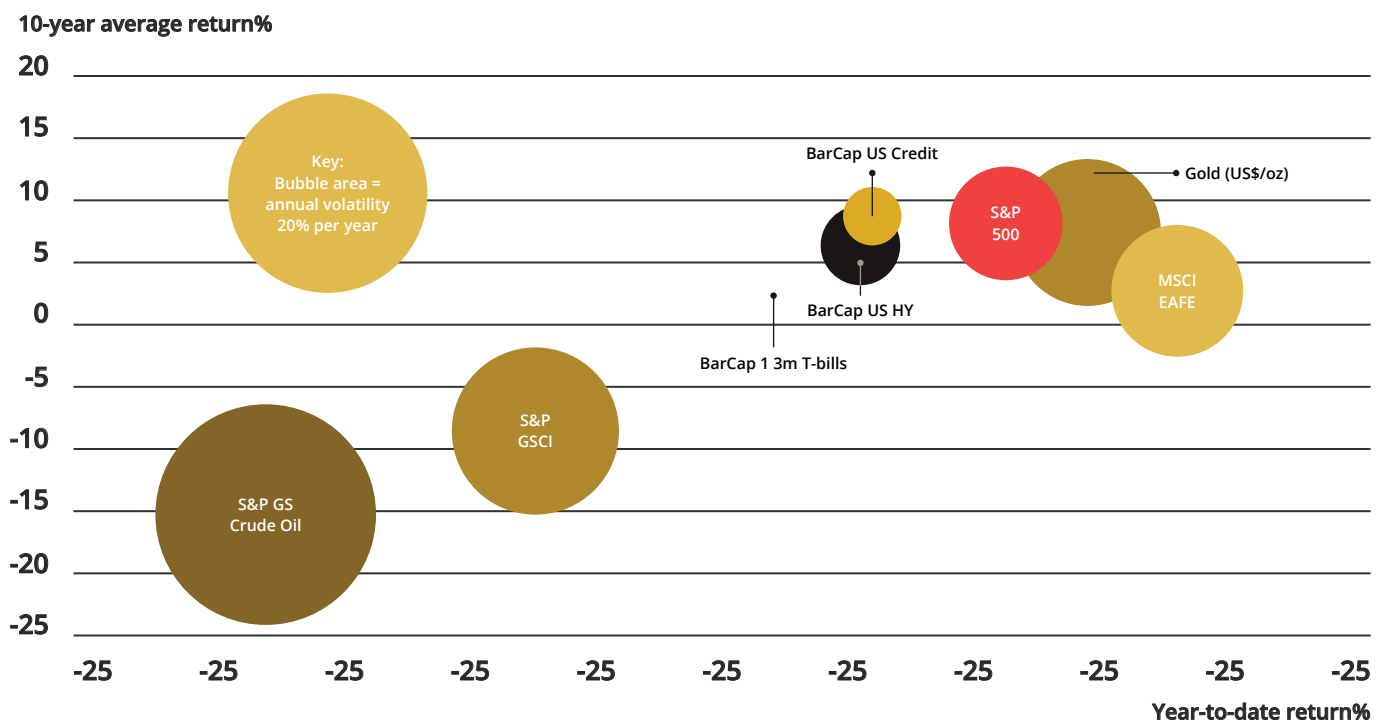
## 2.6. Friedman’s K-Percent Rule: Gold as Ideal Money

We have seen that tGOLD fully meets the definition of money, but is it the best possible money? According to Nobel prize-winning economist Milton Friedman, the ideal money supply would grow by a fixed percentage each year (Friedman, 1960). This is known as Friedman’s k-percent rule. Gold follows Friedman’s k-percent rule fairly well in actual practice, while fiat money and pure cryptocurrencies fail. The money supply for fiat currencies expands and contracts erratically, mostly for political reasons. The most successful cryptocurrencies were designed to have continuously decreasing money supply growth rates. This is one of the reasons for price instability in cryptocurrency markets and the failure of pure cryptocurrencies as units of account.

## 2.7. The Untapped Potential: The Depth of the Gold Market

The instability in pure cryptocurrency prices when there is a surge in their use highlights the dangers of a temporary shortage of money. Fortunately, the global gold market is incredibly large and deep. All the world’s gold has a market value of over 11 trillion US dollars. In April 2021, the total market capitalization for all cryptocurrencies combined was only 1.8 trillion US dollars according to CoinMarketCap (2021). tGOLD has multiple links to the global gold market that ensure that the price of a unit of tGOLD will divert far from the price of a gram of gold in the over-the-counter market.

Gold actually trades more than many other financial assets, with daily trading volumes between 150 and 200 billion US dollars according to the World Gold Council (2020).





## 2.8. Tokenizing the World

Gold, silver and platinum are just the beginning. The full value of tokenized precious metals will only be realized when consumers can use these to buy other goods or simply protect their wealth using a much more convenient form of digital assets. We believe that the general direction of the world economy is toward tokenization using distributed ledger technology, and recent research by Deloitte (2021) supports this view. By establishing strong metals-based cryptocurrencies early on, Aurus will be well positioned to tokenize other commodities and goods in the future.



**3.**

# **Aurus Fees and the Distribution of Fees**

## 3.1. Modest Tokenization Fees

Aurus charges one of the lowest fees in the market when it comes to tokenizing precious metals on the blockchain. Aurus tokenizes gold bullion to produce new units of tGOLD for a modest fee of 0.5% and to tokenize silver and platinum bullion into tSILVER and tPLATINUM tokens the fee is 1.0%.

## 3.2. Low Transaction Fees for Metal Tokens

Aurus charges a modest transaction fee of 0.18% to the initiator of each transaction that is executed with tGOLD, tSILVER and tPLATINUM. There are also Ethereum or Polygon-related (gas) fees for transferring Aurus tokens, which depend on the blockchain network that is being used by the token holder.

There are no native transaction fees for AurusX. However, AurusX holders must still pay Ethereum or Polygon-related (gas) fees for initiating token transfers.

## 3.3. No Storage Fees for Aurus Tokens

Unlike ETFs and other precious metal tokens in the market, Aurus does not charge any fees for the storage or custody of Aurus metal tokens.

## 3.4. Distribution of Fees to Investors and Partners

All tokenization and transaction fees for tGOLD, tSILVER, and tPLATINUM are collected by the protocol and split as follows: 50% of tGOLD fees go to AurusX token holders, and 50% to Aurus minting partners (25% Vaults, 25% Providers). 30% of tSILVER and tPLATINUM fees go to AurusX holders, and 70% to minting partners (35% Vaults, 35% Providers).



## 3.5. Lower Fees in the Future

All fees on the Aurus ecosystem are subject to change. The current fee structure is necessary to cover present-day costs and win support from Aurus minting partners and AurusX holders. Fees will be reviewed on a regular basis and can be amended accordingly, as the ecosystem scales and as adoption increases, just as annual fees have fallen for credit cards and mutual funds. The entire Aurus system will benefit from lower-cost transactions backed by higher transaction volume. However, fee values will be capped through Smart Contract conditions and can never be higher than these predetermined caps.

## 3.6. Realistic Withdrawal Fees

For users, the fees for users redeeming physical gold, silver or platinum is dependent on the Provider Partner that is facilitating the exchange. For Providers, executing a vault extraction entails a set burning fee of 1.5% for tGOLD and 3% for tSILVER and tPLATINUM. Additionally, users may be subject to shipping and handling fees charged by the vault. For silver and platinum VAT costs may be charged depending on your local regulations, which is to be paid in fiat upon delivery. This does not apply to gold as it is classified as a VAT-exempt good globally.

All Vault Partners are established and respected businesses. The withdrawal of gold is therefore subject to the Know Your Customer (KYC) and Anti Money Laundering (AML) procedures carried out by the Vault Partner before the withdrawal.



**4.**

# **The Precious Metals Market**

## 4.1. Precious Metals Investors

Aurus were designed to meet the highest standards for precious metals investors in a rapidly transforming technological age. We made every effort to create blockchain-based tokens that digitally represent physical gold, silver and platinum in an optimal way.

### 4.1.1. Aurus Tokens Adhere to Tokenization Standards

All Aurus metal tokens are ERC-20 tokens 1:1 backed by 1 gram of gold, silver and platinum of the highest purity and sourced from accredited refineries. Experienced and licensed bullion traders, known as Provider Partners, can use the Aurus asset-tokenization protocol to tokenize their bullion inventory. As Aurus metal tokens are fully backed by the underlying physical metals, issuing new tokens into the market requires bullion bars to be stored with an approved Vault Partner and audited.

To simplify, tGOLD is physical gold from a market standpoint, which means that it will maintain a stable value close to that of Gold bullion. The value of tGOLD will remain close to the value of gold because of the ability of traders to buy and sell gold between markets and benefit from arbitrage.

The only gold, silver and platinum capable of backing Aurus metal tokens is sourced from LBMA, DMCC and/or LPPM accredited bullion refineries to ensure the highest quality whilst maintaining global fungibility for physical redemptions.

### 4.1.2. Aurus Tokens as an Inheritance

A multi-signature wallet mechanism allows Aurus token holders to transfer their tokens to their heirs through lawyers that act as trustees or under power of attorney. Smart Contracts help to prevent fraud by keeping the funds frozen after the transfer, and they give the initial wallet owner the capability to reverse the process for a specified period of time.

### 4.1.3. Decentralized Vaults Provide Protection from Disaster

Aurus has partnered with independent Vault Partners in various locations globally. Having bullion vaulted in multiple locations protects token holders from a variety of financial and natural disasters. If a Vault Partner is unable to continue being a Vault Partner, they are required to transport all bullion to another partner vault. Said Bullions will continue to belong to token holders during this process. If there is a natural disaster in a particular location, the bullion is insured. Token holders will be able to withdraw bullions from unaffected vaults in the event of a disaster. The benefits of decentralization will increase as Aurus takes on more partners. Decentralized vaults reduce idiosyncratic risks without reducing returns.

### 4.1.4. Aurus Tokens Are Independent of Aurus

Aurus company has no claim on precious metals allocated to the system. Regardless of what happens to Aurus, vaulted bullions will always remain legal ownership of the token holders. The bullion is stored physically by independent Vault Partners on behalf of the token holder. Token holders have the right to withdraw their bullion from a Vault Partner.

### 4.1.5. Aurus Works with Local Vaults and Physical Bullion Retailers

Aurus plans to partner with many qualified local vaults. Most token holders should



eventually be able to withdraw gold, silver or platinum from a location close to home. Decentralization also means that underlying bullions are physically diversified rather than being concentrated in a single centralized vault that may be far from where the token holder lives. Aurus partners with established physical bullion retailers that can sell Aurus precious metal tokens directly to their clientele as an alternative digital product. This way, Aurus supports local bullion dealers who have already earned the trust of its clients over many years.

#### 4.1.6. Decentralization Keeps the Price Close to Metals Spot Price

Aurus' decentralized partnership structure

also keeps the price of Aurus metal tokens close to the spot price of gold, silver and platinum. Aurus Provider and Distributor Partners have market incentives to sell off the surpluses and alleviate the shortages that cause price discrepancies. Centralized asset-backed cryptocurrencies will continue to experience the same surpluses, shortages, and mispricing that characterize any centrally planned system.

#### 4.1.7. tGOLD Compared to Other Gold-Backed Tokens

There are a number of gold-backed Ethereum tokens on the market or coming soon, and we believe that the following table best illustrates the advantages of tGOLD.

	LBMA approved gold bullion	Convertible to Physical Gold	Decentralized Vault Partners	Partnerships with Gold Distributors
<b>Aurus</b>	Yes	Yes	Yes	Yes
<b>Digix</b>	Yes	Yes*	-	-
<b>GoldMint</b>	-	-	-	-
<b>Xaurum</b>	-	Yes	-	-

\*only to 100 gram bars



## 4.2. Bullion Vaults - Vault Partners

Vault Partners are responsible for safeguarding the physical gold, silver and platinum bars, as well as managing the insurance. Vault Partners are crucial to the success of the Aurus Ecosystem.

### 4.2.1. Remaining Competitive

As new metal-backed cryptocurrencies are launched, gold, silver and platinum bullions will start to flow out of traditional vaults and into the new cryptocurrencies. Many metal-backed cryptocurrencies, such as PAX Gold, have already chosen a single preferred vault. Only Aurus offers multiple approved vaults the opportunity to become Vault Partners and benefit from the integration with Blockchain.

### 4.2.2. Vault Partners Earn Token Fees

Instead of receiving fixed fees, Vault Partners receive 25% of all fees generated by the minting and trading activity of tGOLD, and 35% for tSILVER and tPLATINUM. Fees are distributed to the vaults proportional to the amount of bullion they are storing. Vaults receive fees quarterly based on the following formula:

$$F_T \times \frac{V_R}{T_S} \times 0.25^* = V_R$$

$F_T$  - Total amount of minting fees and transaction fees collected in the past quarter

$V_S$  - Total amount of gold, silver or platinum bullions stored (grams) by the vault

$T_S$  - Total available supply of tGOLD, tSILVER or tPLATINUM (grams of bullion in the system)

$V_R$  - Total rewards distributed to the vault (in tGOLD, tSILVER or tPLATINUM tokens)

*\*The same formula applies to tSILVER and tPLATINUM at x 0.35*

### 4.2.3. Vault Partners Can Provide Additional Services

Vault Partners are free to provide additional services (such as delivery) for extra fees. Vault Partners can directly collect fees for these services. The Vault Partners can specify payment in Aurus tokens or the fiat currency of their choice.

### 4.2.4. Vault Partners Can Exit

If business interests change, a Vault Partner can exit the Aurus Ecosystem after giving sufficient notice. The exiting Vault Partner will then physically transport all bullion to other Aurus Vault Partners.





## 4.3. Bullion Traders – Provider Partners

Provider Partners provide physical gold, silver and platinum bullions to the Aurus system, which allows new Aurus tokens to be minted. Provider Partners also help keep the price of Aurus tokens close to the price of the underlying physical metals.

### 4.3.1. Arbitrage Opportunities

Provider Partners can benefit from arbitrage opportunities from price discrepancies between Aurus precious metals tokens and the Asset Value (NAV) of these tokens in the global over-the-counter bullion market. For example, whenever the price of tGOLD is sufficiently above the NAV plus the tokenization fee of 0.5%, Provider Partners can benefit by providing gold to the Aurus ecosystem. The supply of gold then increases in the

Aurus ecosystem and the price of tGOLD falls toward the NAV. If the price of tGOLD is sufficiently below the NAV less the withdrawal fee, Provider Partners can increase their margins by withdrawing gold from the Aurus ecosystem. The supply of gold then decreases in the Aurus ecosystem and the price of tGOLD rises toward the NAV. Arbitrage ensures that the price of tGOLD remains near the price of gold bullion.

## 4.4. Physical Bullion Retailers – Distributor Partners

Distributor Partners are established and licensed physical bullion retailers that consumers trust. Distributors can offer Aurus metal tokens to diversify their business and access new markets by offering a cost-efficient digitally transferable alternative to physical products.

### 4.4.1. Remaining Competitive

Physical precious metal distributors could lose a substantial amount of business if their customers start adopting a more centralized metal-backed cryptocurrency like PAX Gold. By becoming Distributor Partners with Aurus, independent physical metal distributors can offer a metal-backed cryptocurrency and generate new businesses for their existing profit centers.

### 4.4.2. APIs and Plugins for Easy Integration

The web application provides a REST API for direct selling of Aurus metal tokens. We have also built a plugin for bullion distributors to buy and sell Aurus tokens from their own websites, enabling them to more easily provide service to their existing clients and to expand their reach to new ones.



#### **4.4.3. Ability to Buy and Sell at Their Own Prices**

All Aurus Distributor Partners certified by the Aurus Foundation will be able to integrate Plugins and APIs that allow them to buy and sell Aurus tokens at their own prices and according to their own supplies. This widens the availability of tGOLD, tSILVER and tPLATINUM and contributes to maintaining a stable value.

#### **4.4.4. Opportunity to Trade Aurus Tokens**

Distributor Partners are in a unique position to earn from trading Aurus metal tokens and help their customers in the process. Any Distributor Partner can withdraw large amounts of gold, silver and platinum from Aurus partnered vaults and pay lower withdrawal fees than retail token holders. They can then pass on some of the savings to their customers and offer additional services.

#### **4.4.5. Ability to Offer Additional Services**

Distributor Partners can also offer additional services. In particular, Distributor Partners are in a better position to take delivery from the Vault Partners than most individual retail token holders. At a reasonable price, this service could prove popular. Easier conversion to physical bullions extends the reach of Aurus metal tokens to markets located further away from partnered vaults.

#### **4.4.6. Ability to Become Provider Partners**

Finally, Distributor Partners can also become Provider Partners. As Provider Partners, they can tokenize their bullion inventory and gain access to all the other arbitrage opportunities that Provider Partners enjoy.



**5.**

# **The Web3 and Mobile Payments Market**

# 5.1. Buyers

## 5.1.1. Precious Metals are Stable Stores of Value

Precious metals are dramatically more stable in price than any pure cryptocurrency like Bitcoin and Ethereum. As Aurus tokens are fully backed by gold, silver and platinum, they can serve effectively as a medium in the Web3 and Mobile Payments Market. Additionally, they can serve as a store of value, or so-called stablecoin for value for savvy cryptocurrency users even before it is widely adopted by vendors. If a buyer wants to convert one thousand euros to cryptocurrency and make sure that they still have more or less a thousand euros of purchasing power next week, then Aurus is an excellent solution.

## 5.1.2. The Acceptance of Cryptocurrency as a Medium of Exchange

A method of payment is usually only valuable to buyers if they can use it to buy from their favorite merchants. Fortunately, many merchants already accept cryptocurrencies as payment. Since Aurus metals tokens ERC-20 token on both Ethereum and Polygon Blockchains, early adopters can easily exchange it with other cryptocurrencies on major exchanges to make purchases.

## 5.1.3. Safe and Friendly Web and Mobile Front End Applications

We have built a user-friendly mobile Application which enables users to easily accumulate, store and trade all Aurus tokens on, in addition to supporting Ethereum, Polygon and USDC. The Aurus App will guide users through creating a cryptocurrency wallet, explain how

public and private keys work, and provide the option of creating a simple (web) wallet or a custom (secured) wallet. The wallets will also allow users to store all Aurus tokens, see their worth, undertake transactions, view trading history, and perform other actions. Safety is extremely important, so we plan to provide support for the Universal Second Factor (U2F) authentication offered by hardware wallets (e.g. Ledger, Trezor).

## 5.1.4. Plans for Direct Acceptance by Online Merchants

As more buyers adopt tGOLD, tSILVER and tPLATINUM as a store of value, merchants will find it more attractive to accept them as a method of payment. We will be integrating Aurus metal tokens in as many payment gateways as possible, allowing users to spend gold, silver and platinum at merchants all over the world.

## 5.1.5. Plans to Facilitate Payments With Aurus Vault Card

Future functionalities include the ability to integrate debit cards, allowing consumers to pay in mainstream stores through instant fiat currency conversion and to order physical gold to their location should they so desire.

Our wallet will be integrated with a debit card solution that provides an automated exchange to fiat currency at low rates from Aurus partners. By making precious metals more liquid, we will be helping consumers to use a stable asset in their daily lives. This will be done through the issuing an Aurus Vault Card that enables the storing and spending of Aurus metal tokens with different payment providers.



## 5.2. Merchants

### 5.2.1. Beneficial for Merchants Already Accepting Cryptocurrencies

Aurus precious metals tokens are ERC-20 tokens on both Ethereum and Polygon Networks, so it should be easy for merchants already accepting cryptocurrencies to accept them as payment. What is more, merchants can operate lucratively by pricing goods directly in say, tGOLD while charging a slight premium for doing the conversion.

### 5.2.2. The Stability of Gold Allows tGOLD to Serve as a Unit of Account

Pure cryptocurrencies are so unstable in price that they are currently mostly used by merchants only as a medium of exchange. tGOLD shares the stability of gold, so it will be stable enough in price to serve as a unit of account. Merchants will be able to price items directly in tGOLD rather than fiat money. Pricing in tGOLD is particularly beneficial for merchants selling to international customers who typically use a variety of different currencies.

### 5.2.3. The Popularity of Precious Metals in Emerging Markets

In many emerging market economies, consumers commonly hold precious metals as a store of value rather than using fiat currencies. E-commerce is just getting started in many of these countries, and it is still growing at a rapid pace. By offering consumers the opportunity to buy merchandise in a currency that they know and trust, namely gold, merchants can gain an advantage in the emerging markets.

### 5.2.4. Plans for Easy Integration

In addition to the benefits listed above, Aurus also has plans to make it easier to integrate Aurus metal tokens payments with merchant websites.

### 5.2.5. How Aurus Can Get Everyone on Board

According to Rochet and Tirole (2003), platforms for payments systems must “get both sides of the market on board” to succeed. Consumers only want to use payment systems that are supported by enough merchants, and merchants only want to support payment systems that have a sufficient number of users. When more users join the system, even existing users benefit because more merchants will accept payments in the system. Payment systems are said to have positive network externalities because all users benefit as additional users join the system. Network externalities generally make it very difficult for new payment systems to gain enough users to be attractive to merchants.

Fortunately, there is a way around this "chicken and egg" problem. Luther (2016) suggested that altcoins could benefit from a second-mover advantage. By identifying and correcting some of the problems that have occurred with Bitcoin, altcoins might be able to compete in the payments market. Luther also identified excessive volatility as a major problem with Bitcoin, and Aurus metal tokens directly addresses the problem of volatility by offering the stability with a physical 1:1 precious metal backing. Cryptocurrency holders seeking stability could create a large enough user base for Aurus to attract merchants and overcome the "chicken and egg" problem caused by network externalities.



## 5.3. Peer-to-Peer

### 5.3.1. True Peer-to-Peer

The instability of pure cryptocurrencies often limits their use as a medium of exchange. In actual practice, this means that one person wishing to make a payment to another via cryptocurrency often starts out with a fiat money account, has the money transferred to cryptocurrency, and then it is transferred to someone else's fiat money account. This requires third-party exchanges, so it is not genuinely peer-to-peer. The stability of Aurus metal tokens as a store of value will enable direct peer-to-peer transactions without transfers to fiat money accounts.

### 5.3.2. Smarter Smart Contracts

It does little good to specify payment for a service in ETH because the price of ETH varies so dramatically. As the most stable, tGOLD can serve as a unit of account when specifying payment for services because it is a gold-backed token. A gram of gold this month typically has approximately the same purchasing power as a gram of gold next month. That is why Smart Contracts that specify payment in tGOLD are smarter Smart Contracts.

### 5.3.3. Precious Metals and Small Firms in the Developing World

As much as half of the economic activity in developing economies takes place outside the formal economy (La Porta and Shleifer, 2014). These small businesses often transact directly with each other, and many of them are familiar with precious metals as a store of value. A blockchain version of gold, such as tGOLD, is a natural choice for developing nations to adopt in the peer-to-peer payment market.



**6.**

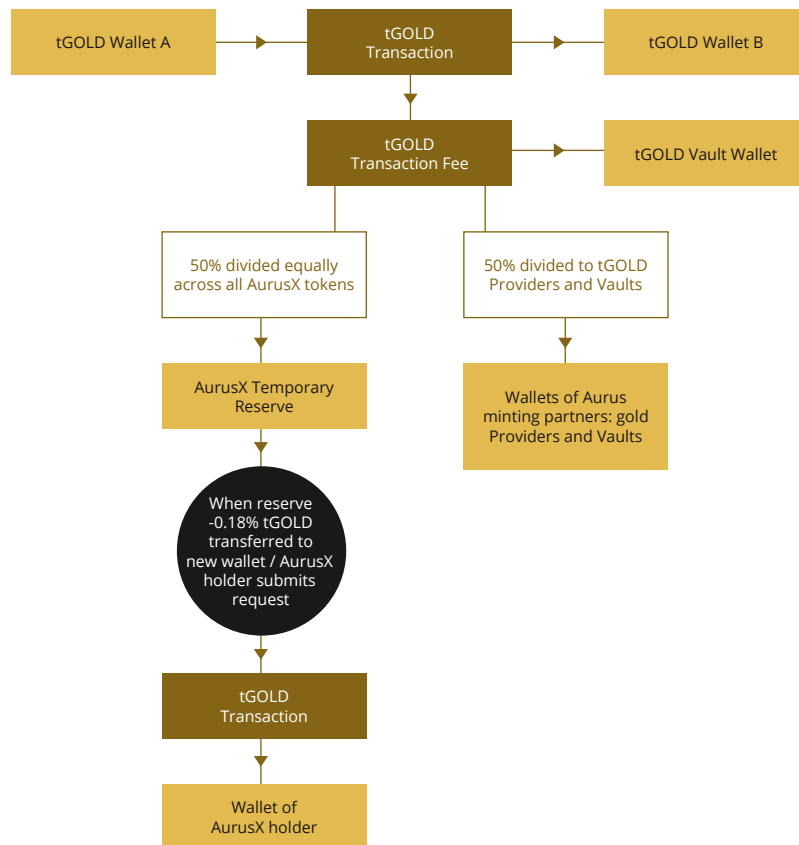
# **The Cryptocurrency Market**

# 6.1. Cryptocurrency Investors

## 6.1.1. AurusX: Passive Rewards in Precious Metals

AurusX (AX) is an ERC-20 token supported on both Ethereum and Polygon Networks. AurusX can be staked to earn a portion of Aurus ecosystem fees: 50% from tGOLD, and 30% from tSILVER and tPLATINUM. AurusX can soon also be used to create and vote on proposals governing Aurus. AurusX tokens are pre-mined with a maximum supply of 30,000,000 units, which are used by the Aurus Foundation as a funding mechanism.

The fees generated from transacting, minting and burning Aurus metals tokens are collected in a smart contract and distributed proportionally as rewards to AurusX stakers. As fees are collected, users can choose to claim their rewards to their wallet address via the Aurus Mobile App on a monthly basis. As the ecosystem scales and the usage of Aurus metal tokens increase, so will the AurusX rewards generated.





### 6.1.2. Precious Metal Investors Gives Aurus a Strong Base Market

Most cryptocurrencies have difficulty attracting actual users, but the unique benefits that Aurus metal tokens offers precious metals investors provides Aurus with a strong base market. Many precious metals investors rightly consider gold, silver and platinum to be an excellent store of value and also use it as a unit of account. However, they have been forced to use fiat money as a medium of exchange as it is too difficult to divide bullions into sufficiently small units for everyday expenses. By bringing the advantages of cryptocurrencies to the precious metals market and making gold, silver and platinum a functional medium of exchange, Aurus is giving investors precisely what they have always wanted.

### 6.1.3. The Distributor Partnership Structure Enables Aurus to Expand

Existing physical bullion dealers are enticed in partnering with Aurus because they can benefit by offering Aurus metal tokens and related services to their current clients rather than losing customers to more centralized precious metals-backed cryptocurrencies. More so, Distributors can expand their business reach both geographically and demographically. They can for instance, attract younger demographics by offering seamless instant precious metals settlements and complementary high tech products.

This allows Aurus to expand more rapidly because it is much easier for third parties to integrate APIs and plugins into their websites than it is for a new cryptocurrency to market itself directly to potential users. Precious metal investors will be able to buy tGOLD, tSILVER and tPLATINUM from the distributors that they already trust rather than having to find new websites.

### 6.1.4. The Advantages of Precious Metals in the Web3 and Mobile Market

To fully succeed in realizing the benefits of precious metals as a medium of exchange, Aurus will have to expand beyond traditional precious metals investors. Because gold, silver and platinum are far more stable in value than any pure cryptocurrency, consumers in the web and mobile payments market have the incentive to adopt it as a store of value even before it is widely accepted as a medium of exchange.

Once a sufficient number of consumers start using Aurus metal tokens as a store of value, merchants should begin to accept it as a medium of exchange. Once enough merchants adopt Aurus tokens as a medium of exchange, the stability of metals (namely gold) will allow goods to be priced directly in tGOLD, tSILVER and tPLATINUM. Which can then also be a unit of account and lead to a fully functioning currency.

### 6.1.5 The Cryptocurrency Transaction Fee Paradox

All pure cryptocurrencies suffer from the transaction fee paradox. Increases in transaction volume raise transaction fees, which makes pure cryptocurrencies less attractive for consumers just as the cryptocurrencies are becoming more popular. Speculation makes the problem even worse. If you are familiar with the transaction fee paradox and the transaction fee crisis of late 2017, feel free to skip ahead. If not, the following digression may help you to understand some of the advantages of Aurus tokens.

As the price of Bitcoin went from \$963 to as high as \$19,870 in 2017 (Yahoo, 2018) the average transaction fee soared from only \$0.35 to over \$25 by the end of the year according to BitInfoCharts (2018).



The enormous volume of speculative transactions on the Bitcoin blockchain in late 2017 pushed the system's capacity to make transactions to the limit, and fantastically high transaction fees were the result.

A cryptocurrency with \$25 transaction fees cannot be used for everyday transactions, so Bitcoin's viability as a currency was called into question even as the price was being bid to record highs. The core of the cryptocurrency transaction fee paradox is that the higher volumes of trading associated with bull markets push up transaction fees and destroy the ability to use the cryptocurrency for transactions in the real economy. Without a base in the real economy, the value of the cryptocurrency is bound to collapse.

The price of Bitcoin fell below \$6,000 in 2018, and transaction fees for Bitcoin dropped below \$1 as speculators departed and transaction volume declined. Sensible Bitcoin transaction fees mean that Bitcoin is once again a competitive way to pay for goods and services in the real economy. Bitcoin was used as the example here because the transaction fee crisis was most severe for Bitcoin, but all pure cryptocurrencies are afflicted by the transaction fee paradox.

### **6.1.6. Why Aurus Stands to Gain During Downturns in the Cryptocurrency Market**

The instability of other cryptocurrencies becomes more of a problem for consumers during downturns in the overall cryptocurrency market. The experience of losing a considerable amount of money is a powerful motivation to look for something more stable. What is more, transaction costs tend to explode during uptrends in the cryptocurrency market, slowing the adoption of a cryptocurrency as an actual medium of exchange rather than a speculative vehicle.

During a downtrend in the cryptocurrency market, the price stability of Aurus metal tokens becomes more attractive to consumers. Furthermore, transaction costs fall during cryptocurrency bear markets, and cryptocurrencies become more attractive as actual currencies. For these reasons, tGOLD, tSILVER and tPLATINUM are likely to gain more acceptance during a cryptocurrency bear market. This outstanding performance is likely to attract organic favorable press coverage and introduce more potential users to Aurus.

Finally, as metal investors, consumers, and even cryptocurrency traders are drawn to tGOLD, tSILVER and tPLATINUM during downturns in the overall cryptocurrency market, the transactional fees related to Aurus metal tokens will increase considerably. This has the direct benefit of generating more precious metals rewards for AurusX holders, subsequently increasing its price.

### **6.1.7. How Precious Metals Traders Enable Aurus to Expand**

The collective precious metals market is valued at over 14 trillion US dollars (gold 12.5T, silver 1.4, platinum 300b). Because of the ability of traders to arbitrage between Aurus metal tokens and the over-the-counter bullion market, the price of tGOLD, tSILVER and tPLATINUM will remain close to the spot market price of gold, silver and platinum. Therefore, the price of Aurus metal tokens will not increase very much as early users adopt them. Whenever consumers start adopting pure cryptocurrencies, the speculators move in, the prices rise, the transaction fees increase, and it becomes harder to use the cryptocurrency as a real medium of exchange. The size of the precious metals market allows Aurus to expand without encountering the same bottlenecks.



All the speculative energy will be channeled into AurusX. The holders of AurusX benefit from the increase in usage of Aurus metal tokens as the rewards from fees rise. The price of AurusX will go up rather than the price of Aurus metal tokens. The medium of exchange will stay stable, while AurusX will likely increase in value.

### **6.1.8. How the Decentralized Vault Partnership Structure Enables Aurus to Expand**

Rather than having a single centralized vault like other asset-backed cryptocurrencies, Aurus has a decentralized Vault Partnership structure that allows new vaults with proven credentials to more easily enter the system. Whenever demand heats up for tGOLD, tSILVER and tPLATINUM, it increases the demand for vault space as well as demand for gold, silver and platinum itself. When demand is high, business becomes more lucrative, meaning it becomes easier to find new partners. Aurus metal tokens continues to remain relatively stable in price even as demand rises, enabling expansion.

The decentralized partnership structure also allows Aurus to expand to other geographical areas. We are based in the Netherlands, so Europe is our home market. However, we can easily accommodate qualified Vault Partners in other major hubs globally. As more Vault Partners enter the system, the system itself gains credibility and customers.

### **6.1.9. Aurus Is in the Tokenization Business**

Aurus is in the business of Tokenization-as-a-Service. We have plans to expand the platform into tokenizing other commodities and assets as well. According to Nasdaq.com (2022), much of the economy could be tokenized over the

coming years. By being here from the beginning, Aurus is able to benefit from the first-mover advantage and establish a reputation for tokenization in a rapidly growing tokenization market.



## 6.2. Cryptocurrency Traders

### 6.2.1. tGOLD Provides a Safe Haven for Traders

The cryptocurrency market has proven to be highly volatile for traders as well as investors. As metal-backed cryptocurrencies, tGOLD, tSILVER and tPLATINUM could prove useful to hedge against potential losses and provide sanctuary from volatility while maintaining liquidity.

### 6.2.2. AurusX May Present Trading Opportunities During Bear Markets

As investors and traders adopt Aurus

metal tokens to avoid massive losses during cryptocurrency bear markets, the rewards from fees going to AurusX holders increases. This could send the value of AurusX much higher during downturns in the overall cryptocurrency market. With AurusX, traders can hedge against the volatility of precious metals to be positioned favorably during bear markets.

### 6.2.4. Only Network Fees for Trading AurusX

AurusX is an ERC-20 token which requires only the base Ethereum or Polygon-related Network (gas) fee to be paid upon transfer.

## 6.3. Cryptocurrency Exchanges

### 6.3.1. Aurus Helps Exchanges Retain Customers by Offering a Safe Haven

By offering precious metal stablecoins, cryptocurrency exchanges can provide their customers a safe place to park their money during cryptocurrency bear markets and occasional downtrends. This offers customers an alternative to fiat-based stablecoins or potentially cashing out and leaving the cryptocurrency exchanges forever.

### 6.3.2. AurusX Can Attract Traders in Down Markets

AurusX could do for cryptocurrency exchanges what gold ETFs, gold mining stocks and government bond ETFs have done for stock exchanges during stock market crashes. Namely, AurusX gives

cryptocurrency exchanges a product the traders will want to trade during bear markets. Because of AurusX's potential for countercyclical gains, exchanges may be able to attract new customers with AurusX during cryptocurrency bear markets.

### 6.3.3. Aurus Tokens Are Compatible with Exchanges

All Aurus Ecosystem tokens are ERC-20 tokens supported on both Ethereum and Polygon networks, which makes them compatible with most major exchanges.

Aurus metal tokens fees have a very simple, linear mathematical model, allowing exchanges to integrate a dynamic fee token as simply as possible and however they best see fit. AurusX fees are similar to any standard ERC-20 token.



**7.**

# **Aurus Ecosystem Tokens**

# 7.1. Token Specifications

## 7.1.1. tGOLD (tXAU)

- ERC-20 Ethereum token issued on the public Ethereum blockchain
- The token has the identifier “tGOLD” and a ticker of “tXAU”
- The token has 18 digits after the decimal point
- The total and available supply are dynamic, based on the amount of gold stored in the vaults
- The token is open-source and auditable on the Ethereum explorer etherscan.io (total supply, available supply, wallet balances, source code).
- Ethereum Contract: 0xe4a6f23fb9e00fca037aa0ea0a6954de0a6c53bf
- Polygon Contract: 0xa6da8c8999c094432c77e7d318951d34019af24b

## 7.1.2. tSILVER (tXAG)

- ERC-20 Ethereum token issued on the public Ethereum blockchain
- The token has the identifier “tSILVER” and a ticker of “tXAG”
- The token has 18 digits after the decimal point
- The total and available supply are dynamic, based on the amount of silver stored in the vaults
- The token is open-source and auditable on the Ethereum explorer etherscan.io (total supply, available supply, wallet balances, source code).
- Ethereum Contract: 0x34abce75d2f8f33940c721dca0f562617787bff3
- Polygon Contract: 0x57fcbd6503c8be3b1abad191bc7799ef414a5b31

## 7.1.3. tPLATINUM (tXPT)

- ERC-20 Ethereum token issued on the public Ethereum blockchain
- The token has the identifier “tPLATINUM” and a ticker of “tXPT”
- The token has 18 digits after the decimal point
- The total and available supply are dynamic, based on the amount of platinum stored in the vaults
- The token is open-source and auditable on the Ethereum explorer etherscan.io (total supply, available supply, wallet balances, source code).
- Ethereum Contract: 0x19b22dbadc298c359a1d1b59e35f352a2b40e33c
- Polygon Contract: 0x2e6978ceea865948f4c5685e35aec72652e3cb88

## 7.1.4. AurusX (AX)

- ERC-20 Ethereum token deployed on the public Ethereum blockchain
- The token has the identifier “AurusX” and a ticker of “AX”
- Pre-mined with a limited total supply of 30,000,000 units
- Token has 18 digits after the decimal point
- Ethereum Contract: 0xcb0d82f4dfa503c9e3b8abc7a3caa01175b2da39
- Polygon Contract: 0x1a763170b96f23f15576d0fa0b2619d1254c437d





### 7.1.5. Bullion Tokens

- ERC-721 Ethereum token deployed on the public Ethereum blockchain
- Each token is mapped to an individual gold, silver or platinum bullion
- There is 1 tGOLD , tSILVER or tPLATINUM created for each gram of mapped bullion bar
- Every token has an ID identical with the unique bullion serial number of the mapped bullion
- Additional details for each Bullion Token are available in a decentralized file system, such as the InterPlanetary File System (IPFS)

## 7.2. Token Minting

Only Aurus Provider Partners can begin the token minting process by initiating a token issue request. Only 99.99% pure gold bullion, 99.9% silver bullion, and 99.95% platinum bullion approved by the LBMA, DMCC and LPPM is capable of backing Aurus tokens. Full details on the minting process can be found in the Aurus Blockchain Platform Technical Specifications.

Before tokens can be generated, providence of the gold, silver or platinum bullion must be established and proof of ownership documents must be provided. The proof of ownership is recorded and timestamped on the InterPlanetary File System (IPFS) blockchain.

The proof of ownership documents are:

- Invoice and proof of payment
- Delivery note

The proof of ownership documents are public, which allows them to be audited by Aurus Partners and all tGOLD, tSILVER and tPLATINUM token holders.

When the Provider Partner initiates the token issue request, the Provider Partner must submit all of the following:

- Proof of ownership documents
- Serial number of the bullion
- Weight of the bullion in grams



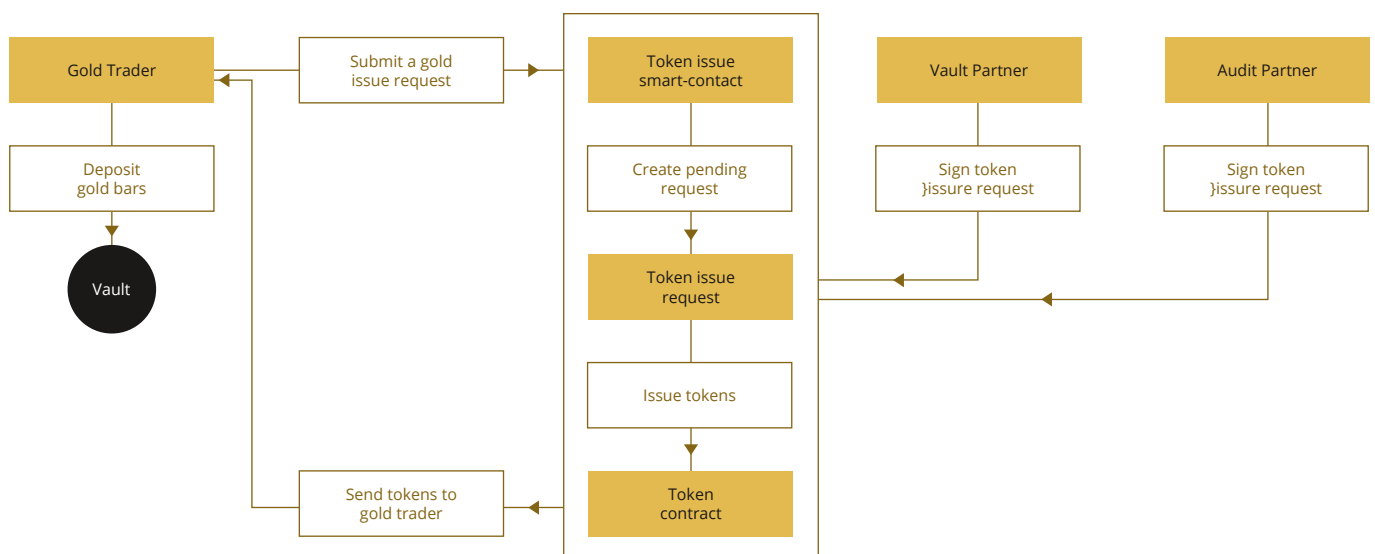
- Purity of the bullion
- Manufacturer of the bullion
- Public address of the wallet designated to receive tGOLD, tSILVER, tPLATINUM tokens

No tokens are created when the request is submitted, and the token issue request must be signed by the Vault Partner within one week for any tokens to be minted.

After the Vault Partner receives the physical bullion, inspects it, and performs an internal audit, the Vault Partner signs the token issue request using a private key. A Bullion Token is immediately issued for each gold, silver, platinum bullion received. An tGOLD, tSILVER, or tPLATINUM token is simultaneously minted for each gram of gold, silver, or platinum received that meets the criteria.

The Bullion Tokens issued are held by the Vault Partners that store the corresponding bullion bar. The Bullion Token is an ERC721 token on the public Ethereum Blockchain. ERC721 was chosen for the Bullion Token because ERC721 is capable of storing unique information about each token, such as the unique serial number of each bullion bar. This uniqueness comes at a high cost on the public Ethereum Blockchain, so additional details of the metal bullion are stored in a decentralized file system, such as the InterPlanetary File System (IPFS).

The other cost of using ERC721 for the Bullion Tokens is that ERC721 is not compatible with most wallets, and it is not supported by major exchanges. We know that a method of payment must be accepted by merchants in order to be successful, so Aurus precious metal tokens are of the ERC-20 token standard due to its widespread acceptance.





## 7.3. Token Burning

Any holder of tGOLD, tSILVER or tPLATINUM can initiate the token burning process through the dedicated WebUI after paying the withdrawal fee. A withdrawal is a transaction from a technical point of view, so the amount of tGOLD, tSILVER or tPLATINUM to pay the token transaction and burning fees, plus the amount being withdrawn must be available in the token holder's wallet balance. More information on withdrawal fees can be found in the "Aurus Fees and the Distribution of Fees" section of this document, and full details on the token burning process can be found in the Aurus Blockchain Platform Technical Specifications.

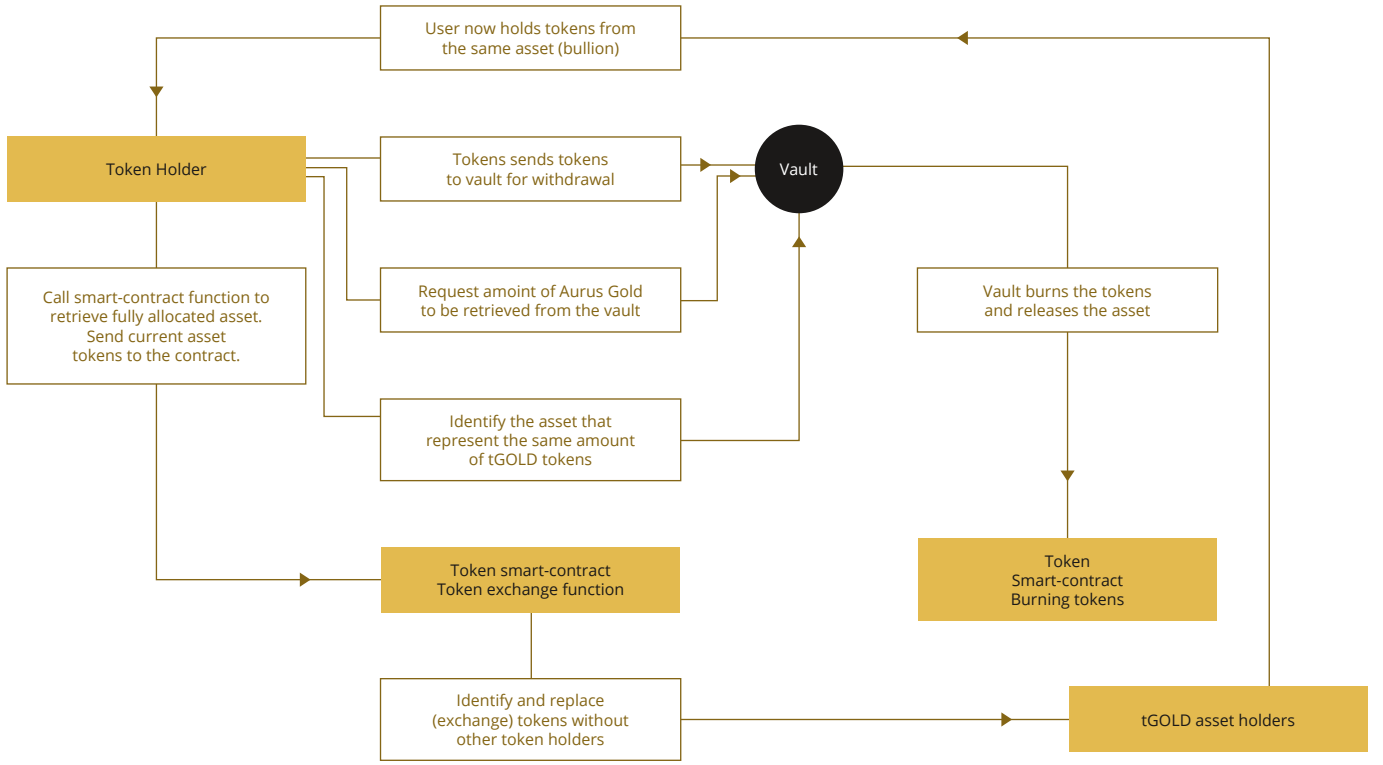
The dedicated WebUI allows tGOLD, tSILVER and tPLATINUM holders to withdraw a specific amount of bullion from a selected vault. Tokens are backed by individual gold, silver and platinum bars linked to unique serial numbers, so the amounts taken out of the vault must match the bullion bars held by that specific vault. If a particular vault has only 100 gram bars, then Aurus token holders can only withdraw from that vault in increments of 100 grams.

After the withdrawal requested is placed, the Vault Partner is given notification to process the transaction. The status of appropriate Bullion Tokens held at the specified vault will then be changed from "available" to "pending extraction". The appropriate Bullion Tokens are those with a total recorded weight in grams equal to the number of tGOLD, tSILVER or tPLATINUM to be burned. The tGOLD, tSILVER or tPLATINUM holder who requested the withdraw is then notified of the bullion's availability and has ten days to pick-up the gold, silver or platinum.

If the withdrawal requester fails to appear at the vault within ten days, the transaction is automatically canceled by the Smart Contract. The status of the Bullion Tokens will change back from "pending extraction" to "available" and the corresponding tGOLD, tSILVER or tPLATINUM tokens will be returned to the withdrawal requester. The withdrawal fees are nonrefundable, so they will not be returned to the token holder.

If the withdrawal requester appears at the vault within ten days, the requester is given the opportunity to inspect the physical gold bullion. The withdrawal requester must sign the extraction transaction with their private key to accept the physical gold, silver or platinum bullion. The Vault Partner must also sign the transaction with a private key. Once both parties have signed this "handshake" transaction, the withdrawal process comes to an end. The status of the Bullion Tokens mapped to the gold, silver or platinum bullion withdrawn is changed from "pending extraction" to "extracted". The appropriate number of tGOLD, tSILVER, or tPLATINUM tokens are burned. The tokens burned are equal in number to the weight the gold, silver or platinum bullion withdrawn in grams. Know Your Customer (KYC) and Anti Money Laundering (AML) procedures are observed throughout the withdrawal process.





**8.**

## **Future Plans**

## 8.1. The Aurus Foundation

Precious metal traders and other partners who work with Aurus to deliver a new future for precious metal will hold a place in The Aurus Foundation. Each partner will have a say in the future of the entire system through a voting mechanism. The mission of The Aurus Foundation is to grow through strong and reliable partners and to shape the future of the industry, together.

## 8.2. Tracing Metal Provenance

Aurus proposes a supply chain blockchain solution to be made in parallel to our metal-backed tokens. We will use our blockchain expertise to provide a free and transparent solution to tracking precious metals through the supply chain. This solution will assist in the efforts against money laundering, illegal mining, and so-called blood gold.

## 8.3. A Fund for Golden Ideas

Aurus will be allocating a portion of funds to be controlled by The Aurus Foundation. These funds will be invested in precious metal-oriented cryptocurrency startups and initiatives to support the growth and widespread circulation and usage of Aurus tokens globally.

## 8.4. Tokenization of Commodities and Other Assets

After the introduction of gold, silver and platinum as a cryptocurrency, we aim to introduce tokens based on other valuable commodities and assets. These assets include other commodities and even works of art. By starting with precious metals, we can prove the worth of our asset tokenization protocol and build the trust necessary to work with other valuable physical assets.



9.

# **Conclusion: A Market Based Growth Story**

## 9.1. Aurus Offers Global Stability

It seems that every cryptocurrency has plans for a wallet, plans for expansion, and plans for the future. The difference between the successful cryptocurrencies and the rest is that the successful ones all offered the market something genuinely different. Bitcoin was the first. Ethereum was flexible. Stellar was more attractive to corporations. Bitcoin Cash offered lower transaction fees. Aurus offers stability.

Aurus makes precious metals ownership accessible globally in the form of a highly divisible and transferable. The value of metal Aurus tokens are safeguarded by their intrinsic value as they are redeemable for the underlying bullion. In times of crisis, or not, it's never a bad idea for anyone to own some precious metals.

## 9.2. How tGOLD Becomes a Currency

It starts with the precious metals market. There are already precious metal investors looking for metal-backed cryptocurrencies, and many bullion distributors already accepting Bitcoin as a method of payment. The partnerships that Aurus offers to Vaults and Distributors will also play a crucial role in speeding the adoption of Aurus metal tokens in the traditional bullion market. What is more, the premiums associated with physical bullion bars and coins as well as delivery, insurance and storage costs. Many have resorted to ETFs for this purpose, and most who have done so would gladly switch to decentralized metal cryptocurrencies like tGOLD, tSILVER and tPLATINUM, which reduce the barriers to entry and offer convenient storability and transferability.

Next, the web and mobile payments market will begin to realize the benefits of Aurus metal tokens. Since Aurus tokens are ERC-20 tokens on the Ethereum blockchain and also compatible with the Polygon network, metal tokens will be directly convertible to other cryptocurrencies on major exchanges. Any consumer wishing to buy goods and services rather than speculate with cryptocurrencies can achieve much more stable purchasing power with an asset-backed token like tGOLD. As more cryptocurrency users start to use tGOLD as a store of value, it will become more accepted as a medium of exchange by sellers. Once tGOLD is accepted by sellers, they will realize that tGOLD can do something that no pure cryptocurrency can: it can be used as a unit of account. Gold is stable enough in value that goods and services can be priced directly in tGOLD. As a store of value, a medium of exchange, and a unit of account, tGOLD is the predominant token that can fully meet the definition of money.

## 9.3. Beyond Currency

In the Ethereum white paper, it is claimed that the Ethereum protocol moves far beyond just currency. Aurus plans to do the same with Tokenization-as-a-Service. Gold, Silver and Platinum naturally came first because of their unique favourable properties and history as a store of value and a currency. However, we see great opportunities in tokenizing commodities and physical assets. By moving beyond currencies, at Aurus we hope to benefit the entire world with reliable and convenient products to protect and grow wealth.



**10.**

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## Disclaimer

At the time of writing this, the information provided in the whitepaper is based on the use of the Ethereum blockchain.

The information in this whitepaper is not final and is subject to change and revision in an attempt to make our product as viable as possible.



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