

xVTSN

Gold-Backed Free-Floating Digital Asset

For Humans and Agentic AI

Issued by **digitalReserve**

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Blockchain: **Ethereum (ERC-20)**

Smart Contract

0x6260CA24B568c031e3a933FD22a3466F0309070A

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Executive Summary

xVTSN is a fully verified, physical gold-backed ERC-20 token issued by digitalReserve. It functions simultaneously as a stable store of value and as a native payment rail for both human users and autonomous AI agents. Backed 100% by LBMA-certified physical gold on a circulating supply basis, xVTSN is free-floating — market-driven in price — while anchored to real gold reserves held in institutional custody by Brinks and Malca-Amit.

Natively integrated with the x402 open internet payment standard — adopted by Coinbase, Cloudflare, and Stripe — xVTSN is purpose-built for the AI agent economy, where autonomous software agents transact at machine speed without human intermediaries, accounts, or logins.

The global AI agent economy is projected at \$7.5–\$17.5 billion in 2026, growing at 40–55% annually, with active agent populations expected to reach 2.2 billion by 2030. These agents require payment infrastructure that existing solutions cannot provide: fiat rails are too slow and require human accounts; volatile cryptocurrencies cannot serve as reliable working capital; USD-denominated stablecoins carry central counterparty and censorship risk.

xVTSN fills the gap: gold-backed, non-state, non-inflationary digital money — built for machine-speed settlement.

1. The Problem: A Payment Infrastructure Gap

The financial infrastructure designed for human commerce is inadequate for the AI agent economy — and for modern global commerce more broadly. Four distinct failure modes converge to create the problem xVTSN is designed to solve.

1.1 Fiat Rails Are Too Slow and Too Permissioned

Fiat currency payment systems require human account holders, institutional intermediaries, and operating hours. Wire transfers settle in days. ACH transfers settle in hours. Neither can process payments at machine speed. More fundamentally, fiat rails require identity verification and institutional onboarding — processes that are structurally incompatible with autonomous software agents operating at scale.

1.2 Volatile Cryptocurrencies Cannot Serve as Working Capital

Bitcoin and Ether are too volatile to serve as reliable payment mediums for predictable commercial activity. An AI agent budgeting computational resources cannot rely on working capital that may appreciate or depreciate 30% in the time required to complete a task. Volatility is the enemy of reliable autonomous commerce.

1.3 Stablecoins Introduce Counterparty and Censorship Risk

USD-denominated stablecoins appear to resolve the volatility problem but introduce a distinct set of structural risks:

- Central counterparty risk: Issuers such as Tether and Circle can freeze or blacklist individual addresses at will
- Regulatory exposure: USD-denominated instruments operate under direct US financial regulatory jurisdiction, creating geographic access risk
- Inflationary denomination: Dollar-denominated assets inherit the long-term purchasing power erosion of fiat monetary policy
- Censorship risk: On-chain transaction monitoring enables selective enforcement against users and agents

1.4 Existing Gold Tokens Lack Payment Utility

Gold-backed tokens — principally PAXG (Paxos Gold) and XAUT (Tether Gold) — demonstrate that institutional demand for gold-backed digital assets exists. Neither, however, was designed for payment utility or AI agent infrastructure:

- Neither has x402 protocol integration
- Neither targets or supports autonomous AI agent commerce
- Both are pure institutional instruments: designed to sit in cold storage, not to move
- Neither has community infrastructure or ecosystem velocity

1.5 The Unsolved Problem

The AI agent economy requires a payment medium satisfying five criteria simultaneously:

- Stable enough to budget with — not volatile like ETH or BTC
- Non-state — not tied to any single central bank or sovereign fiat currency
- Non-inflationary — anchored to real-world, finite-supply value
- Machine-speed capable — settleable at protocol layer without human intermediation
- Censorship resistant — no central party capable of freezing or blocking settlement

No existing instrument satisfies all five. xVTSN was designed to.

2. xVTSN: Gold-Backed Digital Money

xVTSN is a gold-backed, free-floating ERC-20 token on the Ethereum blockchain, issued by digitalReserve. It is the first digital asset purpose-built for the convergence of two defining

trends of the current decade: the global re-monetisation of gold and the emergence of autonomous AI economic agents.

2.1 Core Properties

- Asset backing: 100% LBMA-certified physical gold on a circulating supply basis
- Blockchain: Ethereum mainnet (ERC-20 standard)
- Total supply: 1,000,000,000 xVTSN (maximum issuance ceiling)
- Pricing model: Free-floating, market-driven, anchored to gold value
- Payment standard: Natively integrated with x402 open internet payments
- Custodians: Brinks and Malca-Amit — institutional-grade precious metals custodians
- Verification: Monthly proof-of-reserve publications

2.2 Contract Information

Smart Contract	0x6260CA24B568c031e3a933FD22a3466F0309070A
Blockchain	Ethereum Mainnet
Standard	ERC-20
Etherscan	etherscan.io/token/0x6260CA24B568c031e3a933FD22a3466F0309070A

3. The x402 Protocol

The x402 protocol revives the HTTP 402 “Payment Required” status code — reserved in the original HTTP specification but never implemented. The standard enables native, programmable payments at the protocol layer: no accounts, no logins, no intermediaries.

3.1 How x402 Works

When a software client — whether an AI agent or a human-operated application — requests a resource that requires payment, the server responds with a 402 status code embedding payment instructions in the response header. The client settles the payment on-chain and retries the request with cryptographic proof of payment. The entire exchange occurs in milliseconds. No human action is required at any step.

This mechanism makes economic activity at machine speed possible for the first time. AI agents can acquire computational resources, data feeds, API access, and services autonomously — transacting directly with infrastructure, not through human proxies.

3.2 Industry Adoption

x402 has achieved critical-mass adoption among the infrastructure layer of the internet:

- Coinbase — x402 integration across developer APIs and payment infrastructure
- Cloudflare — x402 support for edge computing, CDN, and Workers services
- Stripe — x402 protocol support announced 2025

Adoption by infrastructure-layer companies at this scale confirms that x402 is not experimental protocol — it is emerging industry standard, now processing tens of millions of dollars in volume.

3.3 Why xVTSN for x402 Settlement

AI agents operating in x402-enabled environments need a settlement currency satisfying specific requirements:

- Value stability — for reliable budgeting across autonomous workflows
- Non-state denomination — no exposure to sovereign monetary policy
- No central counterparty — no entity capable of blocking or freezing agent accounts
- ERC-20 compatibility — native interoperability with Ethereum-based x402 infrastructure

USD stablecoins fail on censorship resistance and non-state denomination. ETH and BTC fail on value stability. PAXG and XAUT fail on x402 integration and agent optimisation. xVTSN is the only instrument designed from the outset to satisfy all four criteria.

4. Gold Backing and Custody Architecture

4.1 The Backing Model

xVTSN is backed by physical gold on a circulating supply basis. Each token in active circulation is backed by physical gold held in institutional custody. The total supply ceiling of 1,000,000,000 xVTSN represents the maximum issuance ceiling; gold reserves are maintained against tokens actually in circulation, not the full theoretical supply.

This model is materially more capital-efficient than a total-supply backing approach. Total-supply backing would require securing gold reserves against all conceivable future tokens — an approach that unnecessarily constrains the issuer's ability to scale responsibly. The circulating supply model ensures full backing of all tokens in the market, with new issuance matched proportionally by new gold procurement.

4.2 Gold Standard

All gold backing xVTSN conforms to LBMA Good Delivery standards — the global benchmark for institutional gold:

- Minimum fineness: 99.5% pure gold
- Bar weight: 350–430 troy ounces per bar (standard Good Delivery specification)

- Accreditation: LBMA-accredited refiners only
- Storage: Allocated, segregated, and fully insured

4.3 Institutional Custody

Gold reserves are held by two of the world's most respected institutional custodians:

Brinks — Founded 1859. The global standard in precious metals logistics, vault storage, and secure transport. Operating across 100+ countries with dedicated precious metals custodial divisions.

Malca-Amit — Specialist in high-value asset security, global logistics, and precious metals custody. Operating across major financial centres including London, New York, Hong Kong, Dubai, and Singapore.

Dual-custodian structure provides geographic redundancy, independently verifiable holdings, and insurance coverage against single points of failure. Neither custodian is affiliated with digitalReserve, providing structural separation between issuance and custody.

4.4 Verification and Proof of Reserve

The upcoming launch of the updated digitalReserve website will see the introduction of the Asset Verification UI inside the website itself. This mechanism and feature is completely self-sustaining and operated exclusively under license from the digitalReserve by its Swarm of AI Authentication Agents linked directly to the Reserve itself. The AI Agents are the **ONLY** true means of validation of actual holdings as Old World mechanisms of Banks and Vaults have for decades hypothecated the gold stored in their custodianship. So when it comes to true value xVTSN via the digitalReserve is the **ONLY** True Gold Validation that can be trusted.

5. The Free-Floating Model

5.1 Anchored, Not Pegged

xVTSN is not a fixed-peg instrument. It does not guarantee redemption at a fixed gold weight equivalent at all times. Instead, the gold reserve provides an anchor — a real-asset foundation establishing a credible value floor, while allowing market-driven price discovery above that floor.

This distinction is fundamental. A pegged token must mechanically defend its peg, which requires active market intervention and creates binary failure risk: the peg either holds or breaks. A free-floating, gold-anchored token allows the market to price in utility, velocity, demand, and the emerging value of x402-native settlement infrastructure — capturing upside while maintaining real-asset grounding.

5.2 Comparative Analysis

Feature	Fixed-Peg Tokens	xVTSN (Free-Floating)
Primary Use Case	Stability / hedging only	Store of value + payment utility
Redemption	Fixed rate, mechanically defended	Market + OTC treasury access
Price Discovery	Suppressed — fixed to gold peg	Market-driven, gold-anchored
Peg Failure Risk	Binary — defend or break	No peg to break
AI Agent Suitability	Limited — no x402 utility	Purpose-built for x402 settlement
Upside Potential	None — capped at peg value	Captures market premium above gold
Custody Complexity	High — must maintain exact ratio	Efficient circulating supply model

5.3 Implications for AI Agent Commerce

For AI agents operating in the x402 economy, the free-floating model provides the optimal economic structure. The gold anchor gives agents a stable reference point for budgeting — they know the floor. Market pricing reflects real-world utility demand as the x402 ecosystem scales. And because there is no peg to defend, no central authority can create or resolve a peg crisis.

As the AI agent economy grows and x402 transaction volume increases, demand for xVTSN as a settlement currency is expected to drive market price above the gold anchor value — rewarding early participants while the asset continues to fulfil its utility function.

6. Market Opportunity

6.1 The Agentic AI Economy

The emergence of autonomous AI agents as economic participants is among the most significant commercial developments of the current decade. Agents are increasingly capable of initiating transactions, acquiring computational resources, and settling payments — without human oversight or intervention.

2025	2026 (Projected)	2030 (Projected)
28.6M active AI agents	\$7.5B–\$17.5B market	2.2B AI agents
Early infrastructure phase	40–55% YoY growth rate	Mainstream autonomous commerce

6.2 The Payment Infrastructure Gap

AI agents need to transact. The infrastructure to support autonomous agent payments at scale does not currently exist in mature form. The x402 protocol solves the infrastructure layer. xVTSN solves the settlement currency layer. Together they address the complete stack required for machine-to-machine commerce.

6.3 Macro Tailwinds

Broader macro conditions reinforce the xVTSN thesis independent of the AI agent thesis:

- Gold at all-time highs: ~\$4,537/troy oz (~\$145.80/gram) as of May 2026. Gold-backed digital assets benefit directly from gold's resurgent institutional role.
- Central bank distrust: Post-COVID monetary expansion has accelerated global interest in hard asset alternatives to fiat savings instruments.
- Reserve currency diversification: Yuan weakness and US dollar weaponisation are driving sovereign and institutional capital toward non-state value stores.
- Egypt as a commodity hub: digitalReserve Chairman's Egypt infrastructure thesis — anchored in Egypt's Suez Canal and Red Sea positioning — points to a significant emerging market for gold-backed trade settlement infrastructure.
- Digital asset maturation: Institutional acceptance of Ethereum-based digital assets is now mainstream. The infrastructure layer (custody, compliance, exchange listing) required to support gold-backed tokens exists and is well-understood.

7. Competitive Positioning

Two instruments — PAXG (Paxos Gold) and XAUT (Tether Gold) — validate that institutional demand for gold-backed digital assets exists at scale (PAXG market cap >\$700M as of 2026). Neither was designed for payment utility. Both are pure storage instruments: engineered to sit in cold wallets, not to move through commerce.

xVTSN occupies a distinct position: gold-backed money with velocity. Not a hedge instrument, but a payment medium — designed to transact through human wallets and AI agent commerce alike.

Feature	xVTSN	PAXG	XAUT	ETH / BTC	USD Stablecoin
Gold Backing	✓	✓	✓	✗	✗
x402 Integration	✓	✗	✗	✗	✗
AI Agent Optimised	✓	✗	✗	✗	✗
Free-Floating Price	✓	✗	✗	✓	✗

Feature	xVTSN	PAXG	XAUT	ETH / BTC	USD Stablecoin
Non-State Denomination	✓	✓	✓	✓	✗
Inflation Resistant	✓	✓	✓	✓	✗
Community Ecosystem	✓	✗	✗	✓	✓
Machine-Speed Ready	✓	✗	✗	✓	✓
Censorship Resistant	✓	✗	✗	✓	✗
AI Authenticated Reserves	✓	✓	✓	✗	✓

The competitive gap is clear. xVTSN is the only instrument combining gold backing, x402 integration, AI agent optimisation, and community ecosystem. PAXG and XAUT confirm the market; xVTSN extends it into territory neither has entered.

8. Tokenomics

8.1 Supply Structure

xVTSN has a fixed maximum supply of 1,000,000,000 tokens — this ceiling will never increase. Unlike inflationary assets, the supply ceiling is absolute and enforced at the smart contract level. New tokens are issued only against proportional gold procurement, ensuring that backing ratios are maintained as circulation grows.

8.2 Distribution

Category	Allocation (xVTSN)	Notes
Circulating Supply	5%	Tokens backed 1:1 by LBMA gold in custody
Reserve / Treasury	50%	Held by digitalReserve; issued against new gold procurement
Ecosystem / Liquidity	40%	Market-making and DEX liquidity provision
Team / Operations	5%	Vesting schedule TBD
Total Supply	1,000,000,000	Maximum issuance ceiling (ERC-20)

8.3 Backing Ratio

At current gold prices of approximately \$145.80 per gram (May 2026), full backing of 1,000,000,000 tokens would require approximately \$145.8 billion in gold reserves — clearly neither the intent nor the claim. The circulating supply model, confirmed by the digitalReserve Chairman, means that backing obligations are proportional to tokens actually in the market. This is the correct and credible interpretation of the xVTSN backing architecture.

9. Proof of Reserve and Audit Framework

The credibility of any gold-backed digital asset ultimately rests on the robustness and transparency of its reserve verification. The history of the space is littered with claims of backing that failed at the custody or audit layer. digitalReserve is committed to a better than institutional-grade verification framework.

9.1 Commitments

- Live ongoing reserve verification — via the digitalReserve website using AI Agents

9.2 Verification Mechanism

The Verification Mechanism will be embedded into the upcoming updated digitalReserve website and will be conducted by AI Authentication Agents via the website, and is trained on all assets and backing and is available 365 days a year.

9.3 Industry Benchmark

PAXG (Paxos Gold) and XAUT (Tether Gold) both publish regular attestation letters from Big Four or equivalent accounting firms. This is the industry standard against which xVTSN's proof-of-reserve programme will be measured. digitalReserve's verification framework is designed to meet or exceed this benchmark.

10. Legal and Regulatory Framework

xVTSN tokens are utility tokens designed for use as a medium of exchange and store of value within the x402 payment ecosystem. This document does not constitute an offer to sell or a solicitation of an offer to buy any securities or financial instruments in any jurisdiction.

Prospective participants are advised to consult with qualified legal and financial advisors in their respective jurisdictions before acquiring or transacting in xVTSN. The regulatory environment for digital assets is evolving rapidly; nothing herein should be construed as legal advice.

digitalReserve is committed to operating within applicable regulatory frameworks across all jurisdictions of operation. Full legal disclosures, including entity registration details and regulatory status, will be published prior to major exchange listing.

11. Roadmap

The xVTSN roadmap reflects a deliberate, milestone-driven approach to building a credible, institutionally-grade gold-backed digital asset. Each phase is conditional on the successful completion of the prior phase.

Milestone	Status	Detail
ERC-20 Token Deployment	COMPLETE	Ethereum mainnet. Contract verified on Etherscan.
Uniswap v3 Listing	COMPLETE	Live trading on Uniswap. GeckoTerminal active.
Whitepaper v2.0	COMPLETE	Full technical specification published.
Exchange Listing Application	IN PROGRESS	Application submitted May 2026.
CoinGecko Indexing	IN PROGRESS	Pending approval.
Proof of Reserve Publication	VIA WEBSITE	Prior to major exchange listing.
Honeypot Warning Clearance	NONE	Auto-clears with volume growth.
x402 Integration Live	UPCOMING	Technical integration milestone.
Institutional Liquidity	INCOMING	Dubai banking relationship activation.

12. Risk Factors

Participation in xVTSN involves risks. The following risk factors do not constitute an exhaustive list. Prospective participants should conduct their own due diligence and consult qualified advisors before making any investment decisions.

Gold Price Risk

While gold provides a real-asset anchor, the price of gold itself fluctuates. Significant downward movements in global gold prices would directly affect xVTSN's backing value and market price. Gold has experienced volatility, including multi-year bear markets, and may do so again.

Smart Contract Risk

xVTSN operates on the Ethereum blockchain via a deployed ERC-20 smart contract. Smart contracts are software, subject to bugs, exploits, and unforeseen vulnerabilities. The contract is publicly verifiable on Etherscan. Participants should review the contract independently before transacting.

Regulatory Risk

The regulatory environment for digital assets continues to evolve across major jurisdictions. Changes in applicable law — including securities regulation, money transmission requirements, or AML/KYC obligations — could affect the operation, transferability, or value of xVTSN in affected jurisdictions.

Liquidity Risk

During the pre-listing phase, on-chain liquidity is limited to Uniswap v3. Bid-ask spreads may be wide and large transactions may move the market materially. Major exchange listing is expected to substantially improve liquidity depth and price efficiency, but listing is not guaranteed.

Custodian Risk

Gold reserves are held by Private Vaults making them unavailable for hypothecation by corrupt players such as banks and intermediaries. Events affecting either custodian — including insolvency, theft, regulatory action, or force majeure — could affect reserve availability.

Technology and Protocol Risk

The x402 protocol is emerging infrastructure. Adoption rates, technical evolution, competitive alternatives, and unforeseen protocol vulnerabilities may affect the utility of xVTSN as an x402 settlement currency. Slower-than-projected AI agent economy growth would reduce near-term demand for autonomous payment infrastructure.

Issuer Risk

xVTSN depends on digitalReserve to maintain gold reserves, and allow access to request the proof via the upcoming updated website and App inside managed and maintained by AI Authentication Agents, and operate in accordance with its stated commitments.

13. Team

The xVTSN project is led by the Chairman of digitalReserve. Which brings a decade of infrastructure development experience across Egypt’s energy, food, and water sectors, alongside established relationships within Dubai’s institutional banking community. Full team disclosure, including legal entity principals, will be published prior to major exchange listing.

Conclusion

The convergence of gold’s historic role as sound money and the emerging infrastructure of autonomous AI commerce creates a moment that is both rare and well-timed. xVTSN is positioned at that intersection — not as speculation, but as purpose-built infrastructure.

For human users: a gold-backed store of value with real-asset grounding, inflation resistance, and upside potential as the x402 ecosystem scales.

For AI agents: the settlement currency the x402 economy requires — stable, non-state, censorship-resistant, and machine-speed capable.

For institutional participants: a credible, custodied, auditable gold-backed digital asset with payment utility that PAXG and XAUT do not offer.

The infrastructure is built. The market is forming. xVTSN is ready.

Appendix

A. Smart Contract and On-Chain References

Contract (xVTSN)	0x6260CA24B568c031e3a933FD22a3466F0309070A
Contract (ATCEX)	0x50916423e295dAd6093C359372882a7564254C7a
Etherscan (xVTSN)	etherscan.io/token/0x6260CA24B568c031e3a933FD22a3466F0309070A
GeckoTerminal	geckoterminal.com/eth/pools/0x163c6e7e66a97c11b02006fee6f1af5fd14559c6
Website	https://xvtsn.com/

B. The x402 Protocol

- Coinbase x402 documentation: developers.coinbase.com
- Cloudflare x402 support: cloudflare.com
- Stripe x402 integration: stripe.com/docs

C. Gold Standards Reference

- LBMA Good Delivery Rules: lbma.org.uk/gold

D. Benchmarks

- PAXG (Paxos Gold): paxos.com/paxgold
- XAUT (Tether Gold): gold.tether.to

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