
GalaxyChain Bitcoin Treasury Infrastructure (GBTI)

An AI-powered digital asset treasury and quantitative infrastructure built around strategic Bitcoin accumulation, HVTS quantitative trading, The ProtocolBank Portfolio, and the HVTS AI — Digital Wealth Infra — ecosystem token on Solana.

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1. Executive Summary

GalaxyChain Technologies Ltd. operates the GalaxyChain Bitcoin Treasury Infrastructure (GBTI) — an AI-powered digital asset treasury and quantitative infrastructure designed around strategic Bitcoin accumulation, systematic HVTS quantitative trading, The ProtocolBank Portfolio, and the HVTSAI (Digital Wealth Infra) ecosystem token deployed on the Solana network.

GBTI adapts the corporate treasury philosophy pioneered by publicly listed Bitcoin treasury companies — raise capital, acquire Bitcoin, hold it as a long-duration reserve asset, and use trading and capital-market access to increase Bitcoin exposure per unit over time — into a quantitative, algorithm-driven framework native to GalaxyChain's existing HVTS trading infrastructure.

Rather than relying on debt-financed purchases of Bitcoin, GBTI's initial phase is funded by trading- and ecosystem-generated accumulation: protocol fee revenue and realized net trading profit from The ProtocolBank Portfolio — a graduation-first series of up to 100 Solana tokens launched through Pump.fun and supported by AI-driven futures trading — are swept, under a defined Treasury policy, into a dedicated BTC treasury reserve. Later phases introduce operating-revenue allocation, external capital instruments, and — only once the model has a credible operating history — capital-markets financing analogous to the corporate Bitcoin treasury model. All accumulation is contingent on actual results; none is guaranteed.

2 PROPRIETARY BTC TRADING ENGINES	15 STRATEGIES IN THE HVTS-AI-BITCOIN ALPHA ENGINE	1B HVTSAI MAXIMUM TOKEN SUPPLY (SOLANA)	4 PHASE CAPITAL FORMATION ROADMAP
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Strategic Pillars

- **BTC Treasury Engine** — a dedicated, auditable Bitcoin reserve that sits above all trading activity and is never treated as risk capital.
- **HVTS Quantitative Trading Systems** — HVTS-Futures (core, strategic BTC accumulation on Binance) and HVTS-AI-BITCOIN (tactical BTC alpha across 15 strategies on MT5), operating as complementary, not competing, engines.
- **The ProtocolBank Portfolio** — up to 100 Solana tokens launched one at a time through Pump.fun, beginning with \$PBShares, whose protocol fees and futures trading results form the Phase 1 capital source.
- **HVTSAI — Digital Wealth Infra** — the native SPL ecosystem token of GBTI on Solana, forming the Digital Asset NAV's ecosystem layer alongside the BTC reserve.
- **A phased, risk-controlled capital formation roadmap** that begins with trading- and ecosystem-generated accumulation and only introduces leverage or external capital-markets financing once the model has a proven operating history.

2. Strategic Foundation — The Corporate Bitcoin Treasury Model

The corporate Bitcoin treasury model — most prominently demonstrated by Strategy (formerly MicroStrategy) under Michael Saylor — reframes a public company as a financing vehicle layered on top of an operating business, with Bitcoin as the central balance-sheet asset.

2.1 The Core Mechanism

Raise capital > acquire Bitcoin > hold Bitcoin as a long-term treasury asset > use capital-market access to acquire more Bitcoin > increase Bitcoin exposure per share over time.

The objective is not simply “how much Bitcoin does the company own,” but “how much Bitcoin exposure does each shareholder effectively have” — a metric commonly expressed as BTC-per-share. Capital is drawn from multiple layers of the capital stack (common equity, preferred stock, convertible debt, and operating cash flow), each with different risk and return characteristics.

2.2 Why GalaxyChain Does Not Copy the Model Mechanically

GalaxyChain's HVTs infrastructure provides something the traditional treasury-company model does not natively have: proprietary quantitative execution capability across independent trading engines. GBTI therefore translates the economic mechanism of the treasury model — capital in, Bitcoin exposure per unit out — into an HVTs-managed Bitcoin Treasury Accumulation System, rather than relying primarily on corporate debt and equity issuance from the outset.

2.3 The GalaxyChain Adaptation

- **Saylor / Strategy model:** Corporate capital > Bitcoin > BTC-per-share appreciation.
- **GalaxyChain / GBTI model:** Corporate capital + HVTs trading alpha + ProtocolBank protocol revenue > Bitcoin Treasury > BTC-per-unit appreciation > corporate NAV growth > future capital access > additional Bitcoin accumulation.

This distinction — internal quantitative execution infrastructure and an on-chain token portfolio generating accumulation before any leverage or external capital-markets financing is introduced — is the foundation of the entire GBTI architecture that follows.

3. GBTI Corporate Architecture

GBTI is organized into six layers, from corporate governance down to the ecosystem of users and services that HVTSAI and The ProtocolBank Portfolio ultimately power.

Layer	Component	Function
1 — Corporate	GalaxyChain Technologies Ltd.	Governance, capital, legal entities, corporate strategy
2 — Treasury	GBTI (this infrastructure)	BTC treasury, HVTSAI treasury, liquidity, NAV
3 — Quant Infrastructure	HVTS-Futures / HVTS-AI-BITCOIN / ProtocolBank futures engine	Strategic BTC accumulation / tactical BTC alpha / ProtocolBank futures trading
4 — Intelligence	Signal engines, Six-Signal Consensus, AI Swarm	Market-state intelligence, research, optimization
5 — Digital Assets	BTC, HVTSAI, PBShares and Portfolio tokens, stablecoins, approved assets	Reserve and ecosystem holdings underlying Digital Asset NAV
6 — Ecosystem	GalaxyChain Wallet, HVTS services, The ProtocolBank Portfolio, users, partners	Ecosystem utility and participation

3.1 The Treasury Controller

A dedicated Treasury Controller sits above all trading engines and owns capital allocation, treasury accounting, BTC NAV, BTC-per-unit, risk limits, profit sweeps, and the corporate accumulation policy. It does not rewrite or absorb any trading engine — HVTS-Futures, HVTS-AI-BITCOIN and the ProtocolBank futures engine remain independent execution engines that report into the controller through a defined portfolio interface.

3.2 Strategy > Portfolio > Treasury Hierarchy

Individual trading strategies (Grid, DCA, Neural, Oracle, Fibonacci, and others across the engines) do not make corporate-level capital decisions. Each strategy's output is filtered through a Portfolio Risk Engine (exposure, margin, drawdown, correlation, leverage, concentration) before reaching the Treasury Controller, which alone is authorized to reduce exposure, delever, or pause accumulation — even where that means realizing a loss a given strategy would otherwise hold open.

4. Core Infrastructure Components

4.1 BTC Treasury Engine

The BTC Treasury Engine is GBTI's principal reserve function. It maintains three separated capital pools so that ordinary trading activity can never consume the treasury reserve:

- **Trading Capital** — funds actively deployed to HVTS-Futures, HVTS-AI-BITCOIN and the ProtocolBank futures engine.
- **Treasury Reserve** — capital held outside active trading, earmarked for long-term BTC accumulation.
- **BTC Treasury** — accumulated Bitcoin and BTC-equivalent exposure, the core reserve asset.

4.2 HVTS Quantitative Trading Systems

GBTI is powered by two complementary, purpose-built BTC trading engines operating on different venues and time horizons — a strategic accumulation engine and a tactical alpha engine — deliberately kept separate rather than merged into a single system. A third engine supports The ProtocolBank Portfolio (Section 4.4).

Engine	Venue	Role	Time Horizon
HVTS-Futures	Binance USDT-M Perpetuals	Core / Strategic BTC Accumulation	24-hour DCA cycle
HVTS-AI-BITCOIN	MT5 (BTCUSD / BTCUSD.sc)	Tactical BTC Alpha — 15 strategies	M5 signal cadence

HVTS-Futures — Strategic Accumulation Engine

Operates a classical time-based DCA protocol on Binance BTC/USDT perpetuals, entering on a persistent signal-consensus basis and using a long-only accumulation posture. Its role within GBTI is to maintain relatively steady, persistent BTC exposure for the treasury.

HVTS-AI-BITCOIN — Tactical Alpha Engine

A single-asset MT5 Bitcoin system combining structural accumulation strategies (DCA, Fibonacci staging), range and grid trading, and indicator-driven signal engines, coordinated through an evolving multi-signal consensus protocol for entries and a dedicated emergency-exit framework for capital protection. Its role is to generate tactical BTC-denominated alpha that is periodically converted into Core BTC treasury holdings.

4.3 HVTSAI — Digital Wealth Infra Ecosystem Token

Attribute	Detail
Name	Digital Wealth Infra
Ticker	HVTSAI
Standard / Network	SPL token on Solana
Contract Address	9RzN47NzVcWpoNtk42gMptRidQZC1FqkrA8gG7DNpump
Maximum Supply	1,000,000,000 HVTSAI
Core Functions	Standard SPL token, fixed maximum supply
Role in GBTI	Native ecosystem / participation token — not a substitute for the BTC reserve

On Solana, SOL is the network's native gas token; HVTSAI is accordingly described as the native ecosystem token of GBTI rather than the native token of the underlying blockchain. BTC remains GBTI's principal treasury reserve asset — HVTSAI forms a distinct, separately accounted ecosystem layer that coordinates participation and utility across the platform.

4.4 The ProtocolBank Portfolio

The ProtocolBank Portfolio is a token factory with a quality gate. Up to 100 Solana tokens are minted through Pump.fun, one at a time, and a new token is minted only after the current one has graduated to PumpSwap. The genesis token is \$PBShares (ProtocolBank Shares, "Protocol-Owned Equity"). Participants buy and sell tokens on the open public market; the Portfolio does not take private deposits.

Attribute	Detail
Name	The ProtocolBank Portfolio (ProtocolBank.AI)
Genesis Token	\$PBShares — ProtocolBank Shares
Network / Launch Venue	Solana; Pump.fun launch, PumpSwap after graduation
Maximum Tokens	Up to 100 (fewer is an acceptable outcome)
Issuance Rule	Graduation first — no new token until the current one graduates
Trading Venues	Aster and HyperLiquid (decentralized futures exchanges)
Instruments	BTC, ETH and SOL futures
Trading Engine	AI futures solution: 50+ strategies across multiple timeframes; fuzzy logic and artificial neural networks; institutional-style risk controls
Public Verification	Official Pump.fun launch link, read-only Aster and HyperLiquid account links, and protocol wallet address published at protocolbank.ai as they become available

5. Capital Formation Strategy — A Phased Roadmap

GBTI's capital formation deliberately avoids beginning with corporate debt or heavy leverage. Instead, the treasury is built up in four phases of increasing scale and financial sophistication, each conditioned on the maturity and track record of the phase before it.

Phase	Capital Source	Mechanism
Phase 1	Trading- and Ecosystem-Generated Accumulation	The ProtocolBank Portfolio: PumpSwap protocol fees and net realized futures trading profit
Phase 2	Operating Revenue Allocation	A defined % of GalaxyChain revenue swept to treasury
Phase 3	External Capital	A GalaxyChain Treasury participation instrument
Phase 4	Capital Markets	Equity / preferred / convertible / debt, Saylor-style

5.1 Phase 1 — Trading- and Ecosystem-Generated Accumulation

Phase 1 capital is sourced from The ProtocolBank Portfolio (Section 4.4). Two revenue streams are recognized, and each is contingent on real market activity:

Revenue Stream	Description
PumpSwap trading fees	Every graduated Portfolio token generates trading fees on PumpSwap in proportion to volume. These fees accrue to the ProtocolBank Solana wallet and build Protocol-Owned Equity (POE). Low volume means low fees.
Futures trading results	Net realized profit, if any, from AI futures trading of BTC, ETH and SOL on Aster and HyperLiquid. Trading can produce losses as well as profits, and leveraged positions can be liquidated.

Protocol-Owned Equity and Liquidity

Fee revenue builds Protocol-Owned Equity, which may be used to deepen Protocol-Owned Liquidity (POL) for Portfolio tokens and to fund trading capital. Net trading profits may be used for buy-backs of Portfolio tokens. Buy-backs depend on profits actually being earned; they do not guarantee price support, liquidity, or an exit at any price.

Participation Terms

Term	Detail
Access	Public market only — tokens are bought and sold through Pump.fun and PumpSwap. There is no private deposit wallet and no off-platform subscription.
Returns	No fixed, targeted or guaranteed return, yield or interest. Token prices can fall to zero.
Principal	Principal is not guaranteed or protected in any form.
Lock-up	None imposed by the protocol; liquidity depends on the market and may be thin or unavailable.
Custody	Holders retain custody of their own tokens in their own wallets. GalaxyChain never requests seed phrases or private keys.
Verification	Read-only performance and wallet links are published before any performance claim is made. No percentage return is stated without account data to support it.

Portfolio Risk Management Parameters

Parameter	Policy
Graduation gate	No new token is minted until the current token has graduated.
Leverage	Governed by the Treasury leverage bands in Section 7.1 and the Treasury risk states in Section 7.
Authority	The Treasury Controller may reduce exposure, delever or pause ProtocolBank trading regardless of individual strategy signals.
Venues and instruments	Aster and HyperLiquid; BTC, ETH and SOL futures only unless the Controller approves additions.
Capital separation	ProtocolBank trading capital is held in the Trading Capital pool and cannot draw on the Core BTC Treasury.

How Phase 1 Funds the Treasury

A defined percentage of net protocol revenue — PumpSwap fee income plus net realized trading profit, after operating costs and any Protocol-Owned Liquidity allocation — is swept, on a defined cadence, into the BTC Treasury Reserve as realized profit, through the accounting pathway described in Section 4.1. The percentage is set by Treasury policy and is not fixed in advance. If the Portfolio produces no net revenue, no sweep occurs. This gives GBTI an initial accumulation mechanism that requires no new debt or equity issuance, while treating accumulation as an outcome of performance rather than a commitment.

5.2 Phase 2 — Operating Revenue Allocation

A defined percentage of GalaxyChain's broader operating revenue is allocated to the BTC Treasury Reserve on a recurring basis, supplementing Phase 1 accumulation once that mechanism has an established track record.

5.3 Phase 3 — External Capital

A formal GalaxyChain Treasury participation instrument is introduced to accept external capital directly into the treasury structure, subject to independently auditable treasury accounting and a defined governance framework.

5.4 Phase 4 — Capital-Markets Financing

Only after the model has a credible, multi-phase operating history does GBTI introduce capital-markets financing in the Saylor / Strategy sense — equity, preferred securities, convertible debt, and strategic capital — deployed specifically toward BTC Treasury accumulation.

6. Treasury Accounting & NAV Framework

GBTI reports a hierarchy of net asset value metrics so that treasury performance can be evaluated on a like-for-like basis against both trading returns and Bitcoin itself.

NAV Metric	Composition
BTC Treasury NAV	BTC quantity × BTC market price
HVTSAI Treasury NAV	HVTSAI treasury holdings × validated HVTSAI valuation
Digital Asset NAV	BTC NAV + HVTSAI NAV + Portfolio token holdings (liquidity-adjusted) + stablecoin reserve + other approved digital assets, less applicable liabilities
Corporate NAV	Digital Asset NAV + operating business value + cash/other assets, less corporate liabilities

6.1 BTC-Denominated Performance

A headline USD return can look strong even while a strategy loses ground relative to simply holding Bitcoin. GBTI therefore tracks performance on both bases:

- **USD Return** — nominal trading performance in USD.
- **BTC Return** — the same performance measured in BTC terms.
- **BTC Benchmark Return** — the return of a passive buy-and-hold BTC position over the same period.
- **Excess BTC Return** — HVTSAI Treasury Return minus the BTC Benchmark Return, the true measure of whether active trading is adding value beyond simply holding Bitcoin.

6.2 BTC / Treasury Unit

Consistent with the corporate treasury model in Section 2, GBTI tracks BTC exposure per Treasury Unit as its central long-run success metric — analogous to BTC-per-share — rather than tracking absolute BTC holdings in isolation.

7. Risk Management & Governance

Corporate-level risk decisions are made by the Treasury Controller, not by individual trading strategies. GBTI defines three treasury-wide risk states that govern allocation, leverage, and DCA behavior across HVTs-Futures, HVTs-AI-BITCOIN and the ProtocolBank futures engine.

State	Trigger	Response
Green — Accumulation	Favorable signal regime across engines	Normal DCA; engines active; treasury accumulation continues
Yellow — Defensive	Signal conflict between engines	Reduce new allocations and leverage; increase liquidity reserve; allow profitable exits
Red — Capital Protection	Major regime deterioration + high drawdown + high margin utilization	Stop new trading; delever; protect treasury reserve; corporate risk intervention

7.1 Leverage Policy

At the corporate treasury level, leverage is treated as a bounded risk variable rather than a default trading parameter. Indicative treasury operating bands are conservative (1–2×), moderate (2–3×), and tactical (3–5×), with higher leverage reserved for explicitly defined tactical conditions rather than the treasury's standing posture.

7.2 Illustrative Treasury Capital Allocation

The following allocation is illustrative of the framework only; actual percentages are determined through backtesting and GalaxyChain's live liquidity requirements, not fixed in advance.

- **Core BTC Reserve** — long-term, largely undeployed Bitcoin holdings.
- **HVTs Trading Capital** — capital actively deployed across the execution engines.
- **Stablecoin Liquidity Reserve** — operating and margin liquidity.
- **Strategic / Operational Reserve** — discretionary corporate reserve.

7.3 Valuation Integrity

HVTSAI and ProtocolBank Portfolio token holdings are valued using a defensible, liquidity-aware methodology rather than headline token price alone — even at a fixed 1-billion-token maximum supply, a misleading valuation can otherwise result if circulating supply and actual liquidity are not taken into account. The NAV framework explicitly guards against using an illiquid token price to inflate corporate NAV.

8. Development Roadmap

Stage	Scope
Stage 1	HVTS BTC Treasury Engine — treasury accounting, BTC accumulation ledger, BTC NAV, BTC/unit, capital allocation, treasury reserve, BTC benchmark, treasury dashboard
Stage 2	Adaptive Treasury DCA — volatility-adjusted DCA, regime detection, dynamic position sizing, drawdown controls, BTC-denominated performance, dynamic leverage, treasury risk bands
Stage 3	GalaxyChain Treasury Vehicle — corporate capital, trading profits, ProtocolBank protocol revenue, operating revenue, and potential external capital under independently auditable treasury accounting
Stage 4	Capital-Markets Financing — equity, preferred, debt, and convertible instruments deployed toward BTC Treasury accumulation once the model has a credible operating history

ProtocolBank Portfolio Milestones

Milestones are conditions, not dates. Each unlocks only when the previous one is complete.

Milestone	Condition
1. Preparation	Brand, website, trading engine testing, and public read-only tracking of Aster and HyperLiquid accounts
2. \$PBShares launch	Official Pump.fun launch link published on protocolbank.ai and the official Telegram channel
3. \$PBShares graduation	Bonding curve completes and the PumpSwap pool goes live; if not, no further tokens are minted
4. Token 2	Minted only after PBShares graduates; name and purpose announced before launch
5. Up to 100 tokens	The Portfolio grows one graduated token at a time

8.1 Engineering Priority

The immediate next engineering step is the GalaxyChain BTC Treasury Controller as the parent system over the existing execution engines, not a rewrite of any engine. The Controller owns capital allocation, treasury accounting, BTC NAV, BTC/unit, risk limits, profit sweeps, and the corporate accumulation policy described in this document.

9. Risk Disclosure & Legal Notice

This document is a corporate strategy and architecture overview prepared for internal and investor-facing use by GalaxyChain Technologies Ltd. It is confidential and intended solely for authorized recipients.

Trading digital assets, futures, and related financial instruments involves a high level of risk and may not be suitable for all investors. Past performance does not guarantee future results. Participants acknowledge that capital loss is possible, including the loss of all capital, and that they participate at their own risk.

Tokens launched through Pump.fun, including \$PBShares and any later Portfolio token, are highly speculative and can lose all of their value. A token may fail to graduate, liquidity may be thin or unavailable, and no return, yield, buy-back, price support or return of principal is promised. Futures trading, particularly with leverage, can result in rapid losses, and decentralized venues and smart contracts can fail, be exploited or change their terms.

Bitcoin and digital-asset prices are volatile; treasury valuations, NAV metrics, and BTC-per-unit figures presented or referenced in this document are illustrative of the GBTI framework and are not guarantees of future performance. Figures and terms relating to The ProtocolBank Portfolio reflect the project's intended design as of the date of this document and are subject to change.

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HVTSAI contract details are recorded in this document as supplied by GalaxyChain Technologies Ltd. On-chain properties (name, symbol, decimals, total supply, and ownership/admin controls) should be independently verified against the deployed contract before being treated as audited fact. The same applies to \$PBShares and any later Portfolio token once launched.

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