



PepeBitcoin (PBTC) Whitepaper

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Project Name: PepeBitcoin
Token Symbol: PBTC
Blockchain: Base (Ethereum Layer 2)
Token Standard: ERC-20
Total Supply: 100,000,000 PBTC (fixed, non-mintable)

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Document Purpose:

This whitepaper provides a technical and structural overview of the PepeBitcoin ecosystem, including token utility, Token Forge architecture, presale mechanisms, liquidity management, staking, governance approach, and long-term roadmap. It is intended for users, creators, partners, and infrastructure reviewers seeking a clear understanding of the system's design and operation.

Disclaimer:

This document is for informational purposes only and does not constitute financial advice, an investment offer, or a solicitation to purchase securities. Participation in blockchain networks involves risk.



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1. Executive Summary

PepeBitcoin (PBTC) is a Base-native blockchain ecosystem designed to provide creators with secure, transparent, and automated infrastructure for launching and managing tokens. While PBTC originated as a community-driven meme project, it has evolved into a comprehensive platform focused on solving structural problems commonly associated with token launches, including unsafe liquidity practices, opaque team allocations, and unsustainable fundraising mechanics.

At the core of the ecosystem is Token Forge, a no-code token launchpad that enables projects to deploy ERC-20 tokens on Base with built-in presale mechanisms, enforced liquidity locks, automated vesting, staking integration, and whale protection. Token Forge is the primary utility layer of the ecosystem and the main product through which PBTC creates long-term value. For clarity in communication and outreach, the platform is often marketed as **"Token Forge on Base – PBTC"**, reflecting the fact that Token Forge is the core product, while PBTC remains the foundational settlement and utility token that powers it.

PBTC serves as the economic backbone of the ecosystem. All Token Forge launches are paired with PBTC, creation and platform fees are paid in PBTC, and ecosystem incentives are structured to align the success of launched projects with the demand and utility of PBTC itself. PBTC has a fixed total supply of 100 million tokens, with transparent allocations and controlled vesting schedules designed to support long-term sustainability rather than short-term speculation.

The Token Forge supports multiple presale models to accommodate different project strategies. Fixed Price presales provide predictable pricing and structured fundraising. Stepped Price presales introduce tiered pricing phases that encourage early participation while maintaining clarity. Bonding Curve presales enable dynamic price discovery, rewarding early buyers and allowing limited pre-launch trading through a controlled sell-back mechanism. All presale models support advanced features such as whale protection, early access via COAL token burning, and automated launch finalization.

To enhance ecosystem engagement without adding friction for new users, PepeBitcoin also introduces COAL, an optional companion token earned through PBTC staking. COAL functions as an incentive and access layer, enabling fee discounts, early presale participation, and ecosystem features such as Coal Boost, a decentralized promotion mechanism where projects gain visibility by burning COAL to increase campaign exposure within the Token Forge. These mechanisms operate through a deflationary burn-based model. COAL is never required to use the Token Forge, ensuring accessibility while rewarding long-term participants.



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Built on Base, PepeBitcoin benefits from Ethereum security, low transaction costs, and deep integration with the Coinbase ecosystem. Through a modular, upgradeable infrastructure and a strong emphasis on automation, transparency, and responsible design, PBTC aims to provide a durable foundation for creators seeking to launch projects that prioritize long-term credibility and sustainable growth.

2. Project Background

PBTC was originally launched on February 8, 2025, on Pepu's Pump Pad. Despite early traction and community enthusiasm, Pepu's mismanagement and lack of communication during a sudden migration announcement led to project instability across the platform. Recognizing the need for a more stable and reliable foundation, PBTC made the strategic decision to migrate to Base, Coinbase's Layer 2 blockchain known for its security, scalability, and deep integration with mainstream crypto infrastructure.

On May 9, 2025, PBTC successfully relaunched on Base with a transparent presale that raised 20,000 USDT, backed by a clearer vision and significantly improved infrastructure. This relaunch marked a turning point for the project, transitioning from a simple meme token to a comprehensive ecosystem builder.

To support loyal holders affected by the Pepu shutdown, PBTC introduced exclusive staking on May 9, 2025, the same day the Base presale launched, allocating 15% of the total supply specifically for original holders. This commitment to community loyalty set the foundation for PBTC's reputation as a project that values its supporters.

Following the successful relaunch, development accelerated rapidly. The Token Forge launched in Q3 2025, providing creators with an unprecedented suite of tools for launching tokens on Base. The platform has since evolved to include multiple presale models, advanced liquidity management, automated vesting mechanisms, and comprehensive staking solutions. Today, PBTC stands as one of the most feature-rich token launchpads on Base, with a growing ecosystem of launched tokens and an expanding suite of creator tools.



3. Ecosystem Overview

Naming Clarification

Within external communication and platform branding, the ecosystem is often referred to as “*Token Forge on Base – PBTC*.” This reflects the fact that Token Forge is the primary product and user-facing utility of the ecosystem. PepeBitcoin (PBTC), however, remains the core ERC-20 token that powers the platform, serves as the settlement and pairing asset for all launches, and anchors the economic design of the ecosystem. This naming distinction is used for clarity in outreach and does not represent a separate token or protocol.

3.1 Token Forge

The Token Forge is PBTC's main utility, a comprehensive, no-code token creation and launch platform designed to make professional-grade token launches accessible to everyone. Whether you're launching a community meme token or a serious DeFi project, the Token Forge provides all the tools needed for a successful, secure, and transparent launch.

Core Features

Team Allocations with Automated Vesting Token creators can optionally allocate between 1-20% of their token supply to the team, with mandatory linear vesting periods ranging from 6 to 24 months. These allocations are automatically locked in secure vesting contracts, ensuring team members cannot dump tokens immediately after launch. Vested tokens unlock gradually over time, aligning team incentives with long-term project success. This feature builds trust with investors by demonstrating the team's commitment to the project's future.

Built-in Staking Options Creators can optionally allocate 1-25% of their token supply to a built-in staking pool with durations from 1 to 24 months. The Token Forge offers two reward distribution models: Linear rewards distribute tokens evenly throughout the staking period, while Front-loaded rewards provide higher yields in the early months, gradually decreasing over time. This flexibility allows creators to design staking incentives that match their community engagement strategy. Staking pools are automatically deployed and configured during token creation, requiring no additional technical setup.

Whale Protection Mechanisms To prevent large holders from dominating token ownership and creating unhealthy market dynamics, the Token Forge includes sophisticated whale protection with two operational modes. In Hard Cap mode, any purchase attempt exceeding the maximum wallet limit is rejected, ensuring



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strict enforcement of ownership distribution. In Overflow Vesting mode, purchases exceeding the limit are accepted, but the excess tokens are automatically placed into a vesting contract that releases them gradually. Creators can set whale protection limits between 1-5% of total supply, finding the right balance between accessibility and decentralization.

Liquidity Pool Locking Enforcement Every token launched through the Token Forge must lock its liquidity pool for a minimum of 6 months, with options extending up to 24 months. The platform offers two locking mechanisms: Standard Lock holds the Uniswap V3 LP NFT directly in the factory contract, providing basic security and custody; Premium Lock integrates with Team Finance's battle-tested locking infrastructure, offering enhanced security, transparency. Both options provide the ability for creators to claim accumulated trading fees while the lock is active. Liquidity locks are automatically created during the launch process, eliminating the manual steps and potential security risks associated with traditional launches.

Three Presale Models

The Token Forge offers three distinct presale mechanisms, each designed for different project strategies and community dynamics:

Fixed Price Presales sell tokens at a predetermined price in PBTC throughout the entire presale period. Creators configure a hard cap (maximum raise amount in PBTC) and optionally a soft cap (minimum viable raise in PBTC) along with a USD-denominated soft cap that provides flexibility for market volatility.

The presale concludes successfully when either the hard cap is reached or the predefined duration ends. If the presale deadline expires without reaching the hard cap, the soft cap mechanism determines whether the launch proceeds. The classic PBTC soft cap requires only that the minimum PBTC amount was raised. The USD soft cap is more sophisticated, it requires both that the USD-equivalent value of raised PBTC meets the minimum threshold AND that there's at least one buyer per \$1,000 of the configured soft cap (ensuring adequate distribution). If neither soft cap is met by the deadline, the presale fails and all participants can claim refunds.

This model provides straightforward, predictable pricing and is ideal for projects with clear valuation targets. Participants know exactly what price they're paying regardless of when they buy during the presale period.

Bonding Curve Presales implement a linear pricing curve where the token price increases continuously as more tokens are sold. The creator sets a price multiplier between 2x and 10x and the contract calculates prices mathematically based on how many tokens have been sold.



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The first buyer receives tokens at the start price, and each subsequent purchase incrementally increases the price for the next buyer along the curve. This creates natural price discovery and strongly rewards early participants. The earlier you buy, the better your price. The bonding curve continues until all allocated tokens are sold and the hard cap in PBTC is reached.

Uniquely, bonding curve presales also allow selling tokens back to the curve before launch. Users can sell their presale tokens back to the contract at the current curve price (minus a 5% fee), with 50% of fees going to the creator and 50% burned as COAL. This creates a dynamic trading environment during the presale phase itself, allowing participants to take profits or exit if they change their minds. The bonding curve is considered complete and ready to launch when all allocated tokens are sold.

This model is particularly effective for community-driven projects where early supporter rewards and organic price discovery are priorities, and where allowing pre-launch trading adds excitement and liquidity.

Stepped Price Presales divide the token sale into multiple discrete tiers (steps), each with a fixed price and allocation. The creator configures the number of steps (3-10), a price multiplier (1.5x to 4x), and the expected hard cap to raise. The contract automatically calculates equal token allocations per step and prices that increase equally from start to end price.

For example, a 5-step presale with 2x multiplier might have: Step 1 at \$0.001 (20% of tokens), Step 2 at \$0.0012 (20% of tokens), Step 3 at \$0.0015 (20% of tokens), Step 4 at \$0.0017 (20% of tokens), and Step 5 at \$0.002 (20% of tokens). As each step sells out, the presale automatically progresses to the next tier, creating clear milestones and natural buying phases.

The stepped model includes a minimum tokens sold requirement (50% of allocation for soft cap and 25% for USD soft cap) to prevent launches with insufficient participation. Like fixed price presales, it supports both PBTC soft caps and USD soft caps with buyer count requirements. The presale can launch when either all steps are sold out or the deadline expires with soft cap conditions met and minimum token threshold achieved.

This model combines the simplicity and predictability of fixed pricing with the early-supporter rewards of progressive pricing, making it ideal for projects that want structured fundraising phases while maintaining clear price expectations within each tier.

Universal Presale Features

All three presale models share powerful common features:

Early Access via COAL Burning: Token buyers can secure priority access to presales by burning approximately \$10 worth of COAL tokens (calculated dynamically via the



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platform's oracle). Early access participants can purchase tokens 30 minutes before the public sale begins, ensuring committed community members get first opportunity.

Whale Protection Integration: All presale models fully support both Hard Cap and Overflow Vesting whale protection modes, preventing large holders from dominating the token distribution during the presale phase.

Automatic Launch Finalization: When presale conditions are met (hard cap reached for bonding curve or deadline expired with sufficient funds for fixed and stepped price), the Token Forge automatically finalizes the launch through a backend automation system. This includes distributing tokens to all participants, creating liquidity pools, locking liquidity, activating staking pools, and enabling token claiming, all without requiring manual intervention from the creator.

Presale Router for Multi-Token Purchases: The Token Forge includes a sophisticated Presale Router that allows participants to buy presale tokens using any supported Base token, not just PBTC. The router automatically handles token swaps through Uniswap V3, converting the participant's chosen payment token to PBTC before completing the presale purchase. This dramatically improves accessibility, allowing users to participate with USDC, ETH, or any other liquid token without needing to manually acquire PBTC first.

Secondary ETH Liquidity Pool

One of the Token Forge's most innovative features is the automatic creation of a secondary liquidity pool paired with ETH (WETH). While the primary liquidity pool pairs the launched token with PBTC (driving PBTC utility and demand), the secondary pool pairs it with ETH, providing crucial accessibility for traders who prefer using ETH or want to avoid the PBTC intermediary.

The secondary pool is funded using a configurable percentage of the raised PBTC (10%), with a maximum cap in USD terms (\$2,000) to ensure reasonable allocation. This dual-pool strategy ensures that launched tokens have immediate liquidity on both PBTC and ETH pairs, dramatically improving trading accessibility and market depth from day one. The secondary pool's liquidity is also locked for the same duration as the primary pool, maintaining security and trust.

Treasury Allocation

To support ongoing ecosystem development and create alignment between launched tokens and PBTC's success, 1% of every token's total supply is automatically allocated to the PBTC treasury. This modest allocation provides sustainable funding for continued platform development, marketing support for launched projects, and ecosystem growth initiatives, all while maintaining a fair and transparent fee structure.



Comprehensive Customization

Beyond these core features, the Token Forge offers extensive customization options for token names, symbols, supply amounts, presale parameters, vesting schedules, staking configurations, and whale protection settings. The intuitive web interface guides creators through each decision with clear explanations and recommended defaults, making professional-grade token launches accessible even to non-technical users.

All Token Forge launches are paired with PBTC, driving direct demand for the ecosystem token. Creation fees are paid in PBTC, supporting ongoing development, marketing, and community incentives while ensuring the platform remains sustainable and continuously improving.

Complete Token Launch Flow

Understanding the full lifecycle of a token launch on the Token Forge helps illustrate the platform's sophistication and automation. Here's the detailed step-by-step process:

Phase 1: Token Creation and Configuration

The creator begins by connecting their wallet to the Token Forge interface and navigating through the intuitive creation wizard. They configure their token's basic parameters including name, symbol, and total supply.

The creator then configures optional features: team allocation percentage and vesting duration, staking pool allocation and reward curve,

Next, they select their desired presale model (No presale, Fixed Price, Bonding Curve, or Price Steps) and configure the presale parameters such as hard cap, soft cap (if applicable), pricing structure, and duration, whale protection mode and limits, and liquidity lock duration and type (Standard or Premium). Throughout this process, the interface provides real-time fee calculations in PBTC, showing exactly what the launch will cost.

Once satisfied with the configuration, the creator pays the creation fee in PBTC. The Token Forge factory contract then deploys all necessary smart contracts: the ERC-20 token contract, the presale contract (Fixed Price, Bonding Curve, or Stepped Price), the optional staking contract, and the optional vesting wallet for team allocations. All contracts are automatically initialized with the creator's chosen parameters, and the token is minted with its full supply, later distributed according to the configured allocations.



Phase 2: Presale Period

With contracts deployed, the presale becomes active and visible on the Token Forge marketplace. Participants can discover the presale through the platform's explore page, which showcases all active presales with filtering and sorting options.

Buyers who burned COAL for early access can participate immediately, while public participants must wait for the early access period to expire. Participants can purchase tokens using PBTC directly, or use the Presale Router to pay with any supported Base token (USDC, ETH, etc.), which automatically converts to PBTC before completing the purchase.

During purchases, whale protection is automatically enforced. In Hard Cap mode, transactions exceeding the limit are rejected. In Overflow Vesting mode, excess tokens are automatically vested inside the presale contract. The presale continues until either the hard cap is reached, the deadline expires with soft cap met, or the deadline expires with insufficient funds (resulting in refunds if soft cap wasn't met).

Throughout the presale, participants can track progress through the Token Forge interface, seeing real-time updates on funds raised, tokens sold, time remaining, and their personal allocation. If staking during presale is enabled, participants can opt to virtually stake their presale tokens, which will convert to real staking positions upon successful launch.

Phase 3: Automatic Launch Finalization

When presale conditions are met, the Token Forge's backend automation system detects the completion and initiates the launch finalization process. This sophisticated automation runs regularly, checking all active presales for completion conditions and automatically executing the launch sequence when ready. Alternatively, when the hard cap is reached before the presale end, the creator can initiate the launch sequence manually through the dashboard at any time before the automatic launch.

The finalization process includes several critical steps executed atomically: First, the system calculates final token allocations based on presale results and configured parameters. Then it creates the primary Uniswap V3 liquidity pool (Token/PBTC pair) using the raised PBTC and corresponding token allocation. Simultaneously, it creates the secondary liquidity pool (Token/WETH pair) using the configured percentage of raised PBTC (up to the USD cap), automatically swapping PBTC for WETH through Uniswap.

Both liquidity pool NFTs are then locked according to the creator's chosen duration and method. For Standard locks, the NFTs are held in the factory contract's custody. For Premium locks, the main LP NFT is transferred to Team Finance's locking contract,



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with fees automatically paid from the pre-reserved USDT converted during token creation.

Team allocations are transferred to the vesting wallet, beginning their linear unlock schedule. Staking pool tokens are transferred to the staking contract, activating the reward distribution mechanism. Virtual stakes from the presale are converted to real staking positions. Finally, participant tokens become claimable, and the token is officially launched and tradeable on Uniswap.

Phase 4: Post-Launch Management

After launch, the token operates independently with ongoing automated features. Staking rewards distribute automatically according to the configured schedule and curve. Team vesting unlocks linearly over the configured period, with the creator able to claim unlocked tokens at any time.

Creators retain several management capabilities: They can claim accumulated LP trading fees from both pools. They can upgrade the main pool from Standard to Premium lock at any time by paying the Team Finance fee. They can monitor their token's performance through the Token Forge dashboard, including holder counts, chart and staking participation.

The PBTC treasury automatically receives its 1% allocation to support ongoing ecosystem development. All launched tokens also appear in the Token Forge explore page, gaining visibility to the PBTC community and potential investors.

This comprehensive, automated launch flow ensures that even non-technical creators can execute professional-grade token launches with security, transparency, and sophisticated features that would traditionally require extensive smart contract development and manual coordination.

3.2 Coal

COAL is PepeBitcoin's companion token, an optional but powerful rewards and utility layer specifically designed to enhance the Token Forge experience without introducing complexity for new users. While COAL is never mandatory for using the Token Forge, it provides committed users with meaningful benefits, such as discounted fees, early presale access, the Coal Boost promotion system, and other ecosystem privileges. Each time COAL is utilized within the ecosystem, it is permanently burned, creating a deflationary mechanism that continuously reduces the token's total supply.

Earn COAL by Staking PBTC

Users can effortlessly earn COAL by staking their PBTC tokens within the dedicated staking contract. COAL tokens are generated continuously as long as the PBTC remains



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staked. This process mimics a “mining” mechanism, encouraging long-term commitment and rewarding loyal participants:

- **Continuous Yield:** Users can deposit PBTC to start earning COAL.
- **Loyalty Boost:** Users who stay staked longer get a boost to their yield rate. A multiplier boost applies every 15 days, steadily increasing up to a maximum of 2x after 90 days of continuous staking.

Burn COAL to Unlock Exclusive Benefits

The primary utility of COAL comes from its burning mechanism. Users who burn COAL tokens unlock significant ecosystem advantages:

- **Discounted Token Creation Fees:**
By burning COAL tokens during the token launch process via the Token Forge, creators gain notable discounts on standard Forge fees:
 - **25% discount** on general token creation fees.
 - **10% discount** specifically on Team Finance liquidity lock fees.
- **Early Presale Access:**
Token buyers can secure early buying privileges for new tokens launched on the Token Forge by burning a fixed USD-equivalent amount of COAL tokens (approximately \$10 worth, priced dynamically via the platform's oracle).
- **Coal Boost campaign activation and boosting through COAL burns**
Coal Boost allows token creators and community members to increase a campaign's visibility within the Token Forge by burning COAL. Visibility is determined by a transparent Heat score derived from these burns, aligning platform promotion with COAL's deflationary token mechanics.
- **Exclusive Merchandise & Future Privileges:**
Burning COAL will also grant access to exclusive merch drops and future ecosystem incentives and benefits, further deepening the utility and desirability of holding COAL.

Each burn transaction permanently removes COAL tokens from circulation, progressively shrinking the supply as the ecosystem expands.

Deflationary Tokenomics & Secure Liquidity

COAL's tokenomics are intentionally designed to maximize long-term sustainability, scarcity, and transparency, creating robust incentives for continuous ecosystem participation:



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- **Fixed Total Supply:**
COAL has a strictly capped total supply of **100 million tokens**, ensuring that no additional minting can ever occur. This fixed limit guarantees predictable scarcity and strengthens token value over time.
- **Initial Allocation & Distribution:**
 - 10% allocated for liquidity pool paired with PBTC.
 - 10% allocated for ecosystem incentives and strategic initiatives.
 - 80% emitted through staking rewards over a 10-year emission schedule, following a front-loaded emission curve. This design rewards early adopters and ensures long-term engagement and community growth.
- **Continuous Deflation via burning:**
Every COAL token spent within the ecosystem—whether for fee discounts, early presale access, or Coal Boost—is permanently burned, continuously reducing the circulating supply and amplifying deflationary pressure.
- **Secured & Transparent Liquidity:**
Liquidity is safely locked via Team Finance, ensuring full transparency, security, and stability for COAL holders engaging in trading or swaps.

3.3 Coal Boost

Coal Boost is a promotion layer integrated into the Token Forge that allows token projects to increase their visibility across the platform through a decentralized and community driven system.

Instead of relying on traditional advertising models or centrally controlled promotion, Coal Boost uses COAL token burns to determine campaign visibility. Token creators can activate promotional campaigns for their projects, which appear throughout the Token Forge interface in areas such as discovery sections, banners, and campaign leaderboards.

Campaign visibility is determined by a transparent score known as Heat. Heat reflects the total amount of COAL burned into a campaign. Higher Heat increases the likelihood that the campaign will appear in platform placements.

Any user can contribute to a campaign by burning COAL to boost it. This creates an open marketplace for attention where projects gain visibility based on community participation rather than platform discretion.

To maintain fair discovery and prevent campaigns from dominating visibility indefinitely, Heat gradually decays over time. This mechanism allows new campaigns to surface



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naturally while encouraging ongoing community engagement for projects that wish to remain prominent.

By converting promotional demand into a token burn mechanism, Coal Boost strengthens the economic design of the ecosystem while providing projects with a transparent and competitive method for reaching active Token Forge users.

3.4 Merch Store

Currently live with PBTC and crypto-themed items, the store will expand to support:

- Token creators uploading their own designs
- Commission-based sales for creators
- Fully managed backend: printing, fulfillment, payments, and support

3.5 Payment Gateway

Initially tied to the merch store, the payment gateway will expand into a standalone API:

- Accepts PBTC and all tokens created through the Token Forge
- Automatically converts payments to USDT for merchants
- Sends small commission fees back to the respective project tokens



4. Token Utility

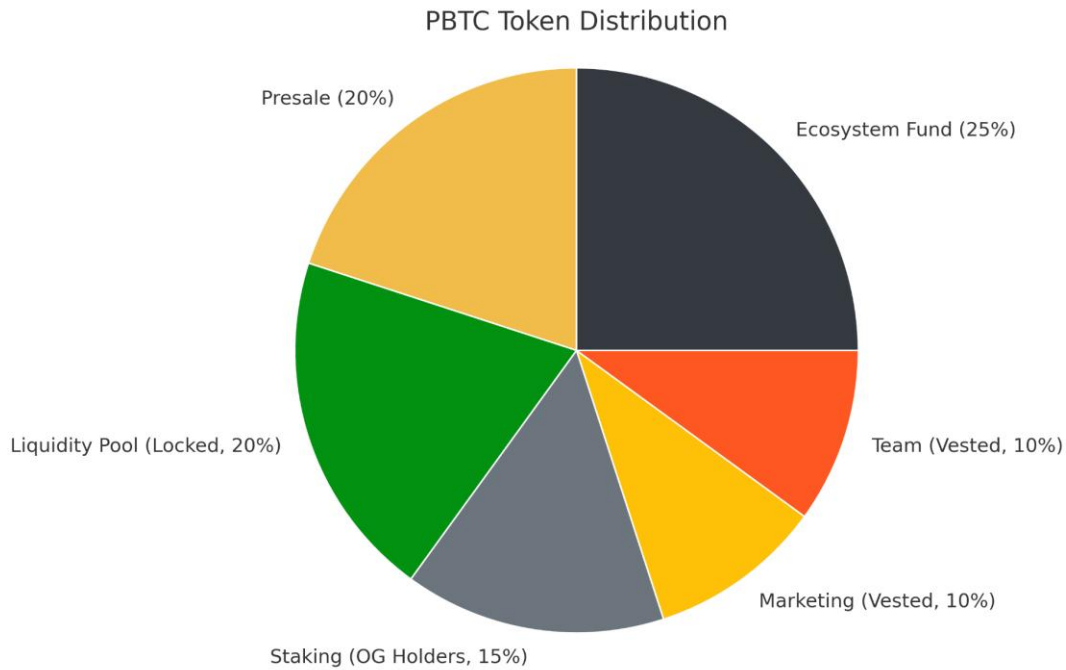
The PBTC token serves as the foundational currency powering the PepeBitcoin ecosystem, with clearly defined and continuously expanding utility:

- **Token Forge Launches:**
PBTC is required to pay fees for token creation via the Token Forge. Each new token launched is also automatically paired with PBTC, driving organic demand and directly aligning the token's value with ecosystem growth
- **Premium Creator Features:**
During further ecosystem deployment, additional premium features for token creators will be introduced, payable exclusively in PBTC, further enhancing token utility and demand.
- **Merch Store Payments (Upcoming):**
PBTC will soon be integrated into the PepeBitcoin merch store, allowing users to directly purchase crypto-themed merchandise. This provides practical, real-world usage for PBTC holders and token creators.
- **Payment Gateway Integration (Upcoming):**
The forthcoming decentralized payment gateway will accept PBTC and all Token Forge-launched tokens. Payments can be seamlessly converted to stablecoins for merchants, with small commission fees routed back into project-specific tokens, further enhancing the utility and demand for PBTC.

PBTC's growing utility positions it as a versatile and essential token, underpinning a sustainable and continually expanding ecosystem.



5. Tokenomics



Category	Allocation	Notes
Presale	20%	Sold via mini presale on Base
Liquidity Pool	20%	Locked for 12 months on Team.Finance
OG Staking Pool	15%	For pre-migration PBTC holders only
Marketing	10%	12-month linear vesting held in vesting contract/Safe
Team	10%	12-month linear vesting held in vesting contract/Safe
Ecosystem Fund	25%	Held in Safe, used for listings, expansions, hosting, etc.



6. Legacy Holder Staking

As a gesture to original PBTC holders on Pepu, 15% of the total supply was reserved for a 6-month staking pool that ended on November 9, 2025. Key terms:

- Eligibility: wallets that held PBTC before Pepu's migration announcement
- Rewards: unlock linearly over 6 months
- Withdrawals: locked for 7 days after each stake/restake
- Claiming: rewards can be claimed or restaked at any time

7. Roadmap

Q2 2025

- Presale ✓
- DEX launch ✓
- PBTC liquidity locked via Team.Finance ✓
- First listings: DEXScreener, DEXTools GeckoTerminal ✓
- Start of social media campaigns ✓
- DEX launch of COAL and LP lock via Team.Finance ✓
- Launch of PBTC-COAL staking ✓

Q3 2025

- Launch of the PBTC Token Forge (v1) ✓
- Portfolio Overview Page ✓
- Influencer partnerships and campaign ramp-up ✓
- Launch of the Forge Academy for documentation, help and news articles ✓
- Publishing the first guides for token creators and investors ✓
- Update old merch store to better temporary store with credit card payments and updated merch articles ✓

Q4 2025

- Video based social media marketing campaign ✓
- Launch of stepped price presales on the Token Forge ✓
- Launch of bonding curve presales on the Token Forge ✓

Q1-Q4 2026

- Launch of the Coal Boost system ✓



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- Launch of the PBTC payment gateway
- PBTC and Forge Token payment options in the merch store using the PBTC payment gateway
- Full integration of the merch store into the PBTC site
- Custom merch design tool for token creators
- Launch of Token Forge App for Android and iOS
- Optional premium Forge Token pages with customization and merch store integration

On hold

- Listings on CMC / CoinGecko (pending eligibility)
- CEX outreach based on traction



8. Governance & Fund Management

PBTC is led by a public team. Project founder Sebastian Salmhofer operates under his real identity and manages overall direction and development, while other team members are pseudonymous. A team coordinator supports communication and coordination between the founder and the broader team, bringing technical project management experience.

PBTC does not currently operate a DAO. However:

- Team, Marketing, and Ecosystem funds are held in separate **Gnosis Safe multisig wallets**
- Staking rewards are managed through smart contracts
- Community involvement is encouraged via social channels



9. Technical Architecture of the Token Forge

The PBTC Token Forge provides a comprehensive, secure, and user-friendly mechanism for creating and launching tokens without the need for developer intervention. It features robust, modular smart contracts designed for flexibility, security, and scalability, all built on industry-standard frameworks and battle-tested patterns.

9.1 Main Contract Addresses

PBTC Token

Contract Address: 0x31705474c1F2DE7F738E34233c49522CA1E3C53c

COAL Token

Contract Address: 0x25B30C734F6f9359780637120f04103460D9Fa75

Token Forge Factory (Proxy)

Contract Address: 0x5E0bdAb125dC8771433DdceF16gCed76g573a833

Description: Main orchestrator contract for token launches, presale management, and liquidity creation

Oracle (Proxy)

Contract Address: 0x44205F6B09gB8d6d179235d33eF352c3901d648A

Description: Uniswap V3 TWAP oracle providing USD-denominated pricing for PBTC and COAL

COAL Staking (Proxy)

Contract Address: 0x8fd52B375A006436b536768e5c292A3C25AA317C

Description: Staking contract for PBTC token holders to earn COAL

Presale Router

Contract Address: 0x5ffbF411f9A4d5FbegCB3293a858A581C3e76004

Description: Enables multi-token presale purchases by swapping to PBTC via Uniswap V3

9.2 Core Smart Contract Components

PBTCForgeFactory (Transparent Proxy): The factory serves as the primary orchestrator of all token launches, acting as the central hub for contract deployment, initialization, and post-launch management. It implements OpenZeppelin's transparent proxy pattern, allowing secure upgrades of core functionality while maintaining immutability for individual token contracts. The factory handles fee collection in PBTC, automatically converting portions to USDT reserves for Team Finance liquidity lock fees, and manages the entire



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launch lifecycle from creation through finalization. It also maintains registries of all deployed tokens, presales, and staking contracts, providing a comprehensive view of the ecosystem.

PBTCForgeToken: Each token launched through the Forge uses a standardized, minimalistic ERC-20 token contract deployed via efficient cloning. These tokens are fixed-supply and non-upgradeable, ensuring security, predictability, and trust. The token contract includes no admin functions or special privileges, meaning creators cannot mint additional tokens, pause transfers, or modify behavior after deployment. This immutability is a core security feature that protects token holders from malicious creator actions.

PBTCForgePresaleFixedPrice: Manages fixed-price presale activities, handling buyer contributions in PBTC and implementing sophisticated features including whale protection with two operational modes (Hard Cap rejection and Overflow Vesting), early access functionality through COAL token burning, and soft-cap fallback pricing based on USD valuation via the integrated oracle. The contract tracks all participant contributions, manages refunds if soft cap isn't met, and coordinates with the factory for automatic launch finalization when conditions are met.

PBTCForgePresaleBondingCurve: Implements dynamic pricing presales where token price increases mathematically as more tokens are purchased. The bonding curve contract calculates prices in real-time based on current sales progress, ensuring early buyers receive lower prices while later participants pay market-determined rates. The curve parameters are configurable during creation, allowing creators to adjust the pricing steepness to match their project's goals. Like the fixed-price presale, it supports whale protection, early access, and automatic launch finalization.

PBTCForgePresaleSteppedPrice: Manages tiered presale structures where tokens are sold in distinct price steps. The contract tracks progress through each tier, automatically advancing to the next tier when the current tier sells out. Each tier has its own price and allocation, creating natural buying phases and clear milestones. The stepped price model combines the simplicity of fixed pricing with the early-supporter rewards of bonding curves, making it ideal for structured fundraising campaigns.

PBTCForgePresaleRouter: A sophisticated routing contract that enables presale participation using any supported Base token, not just PBTC. When a user purchases presale tokens with an alternative token (such as USDC or ETH), the router automatically executes a swap through Uniswap V3 to convert the payment token to PBTC, then forwards the PBTC to the presale contract to complete the purchase. The router handles all the complexity of multi-hop swaps, slippage protection, and deadline management, providing a seamless user experience. This dramatically improves accessibility by removing the friction of manually acquiring PBTC before participating in presales.



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PBTCForgeStaking: Offers optional staking pools linked directly to token launches, supporting two reward distribution curves: linear (even distribution throughout the staking period) and front-loaded (higher early rewards, gradually decreasing). The staking contract includes sophisticated features such as virtual staking during presales (allowing participants to commit to staking before launch), automatic conversion of virtual stakes to real stakes upon launch, and flexible claiming that allows users to harvest rewards without unstaking their principal. The contract also tracks staking duration for potential future loyalty rewards or governance weight.

PBTCForgeVestingWallet: Provides linear vesting specifically for token creator team allocations. Tokens reserved for the team are locked in this contract and gradually released linearly over the defined vesting period (typically 6-24 months). Team members can claim unlocked tokens at any time, but cannot access tokens that haven't vested yet. This contract is based on OpenZeppelin's VestingWallet implementation, ensuring security and reliability. The linear vesting schedule is immutable once set, providing certainty to token holders that team allocations cannot be dumped prematurely.

PBTCForgeOracle: Implements a secure and upgradeable Uniswap V3 TWAP (Time-Weighted Average Price) based oracle that provides manipulation-resistant pricing data. The oracle maintains price feeds for both PBTC/USD and COAL/USD pairings, which are critical for accurate presale pricing (especially soft-cap calculations), COAL burn amount calculations for early access and discounts, and fee conversions between tokens. The oracle uses configurable time windows for TWAP calculations, balancing between price accuracy and manipulation resistance. As an upgradeable component, the oracle can be enhanced with additional price feeds or improved calculation methods as the ecosystem grows.

9.3 Security and Upgradeability

The Token Forge implements multiple layers of security to protect both creators and participants:

Transparent Proxy Pattern: Core infrastructure components (Factory and Oracle) use OpenZeppelin's transparent proxy pattern, enabling secure upgrades controlled by the PBTC admin multisig. This allows bug fixes and feature additions without disrupting existing tokens or requiring migrations. However, individual token contracts, presale contracts, and vesting wallets are immutable once deployed, ensuring creators cannot modify behavior after launch.

ReentrancyGuard and SafeERC20: All external interactions, especially token transfers and ETH handling, are protected against common attack vectors through OpenZeppelin's ReentrancyGuard and SafeERC20 standards. These protections prevent reentrancy



attacks, handle non-standard ERC-20 implementations safely, and ensure atomic transaction execution.

Liquidity Locking Integration: The factory integrates deeply with Team Finance's locking infrastructure, automatically handling liquidity lock creation, fee payment, and NFT custody. For Standard locks, the factory holds LP NFTs in secure custody with time-lock enforcement. For Premium locks, NFTs are transferred to Team Finance's battle-tested contracts, providing enhanced security while keeping the ability for creators to claim trading fees while locks are active.

Automated Upkeep System: Rather than relying on creators to manually finalize launches, the Token Forge includes a backend automation system that regularly calls the factory's upkeep function. This system monitors all active presales, detects completion conditions, and automatically executes the launch finalization sequence. This automation eliminates human error, ensures timely launches, and provides a seamless experience for both creators and participants.

9.4 Complete Token Launch Lifecycle

The technical flow of a token launch demonstrates the sophisticated coordination between all components:

Creation Phase: The creator submits token parameters and pays fees in PBTC through the web interface. The factory receives the transaction and validates all parameters, ensuring they meet minimum requirements and security standards. It then clones and initializes the necessary contracts (Token, Presale variant, optional Staking, optional Vesting), minting the full token supply. Fees collected are automatically processed, with portions converted to USDT reserves for future Team Finance lock fees. The factory emits events that the backend indexes, making the new presale immediately visible on the platform.

Presale Phase: Participants discover the presale through the Token Forge Explore page. They can purchase using PBTC directly or use the Presale Router to pay with alternative tokens. The router handles swaps through Uniswap V3, converting payment tokens to PBTC before forwarding to the presale contract. The presale contract validates purchases, enforces whale protection (rejecting excess or vesting overflow), tracks contributions, and manages early access periods for COAL burners. Virtual staking positions are recorded for participants who opt in. The presale continues until hard cap is reached, deadline expires with soft cap met, or deadline expires without meeting soft cap (triggering refunds).

Launch Finalization Phase: The backend automation system regularly queries the factory's upkeep function, which checks all active presales for completion conditions. When a presale is ready to launch, the factory executes a complex sequence atomically:



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calculating final allocations based on presale results, creating the primary Uniswap V3 pool (Token/PBTC) with appropriate liquidity, creating the secondary pool (Token/WETH) using configured PBTC percentage (up to USD cap), locking both LP NFTs via Standard or Premium method (premium only for primary LP), transferring team allocations to vesting wallet, transferring staking tokens to staking contract, converting virtual stakes to real stakes, and enabling token claiming for all participants. This entire sequence executes in a single transaction, ensuring atomicity and preventing partial launches.

Post-Launch Phase: After successful launch, the token operates independently with ongoing automated features. The staking contract distributes rewards according to the configured schedule and curve, with participants able to claim rewards or unstake at any time. The vesting wallet releases team tokens linearly, with the creator claiming unlocked amounts as desired. Creators can claim LP fees from both pools and upgrade the main pool from Standard to Premium lock by paying the Team Finance fee. The PBTC treasury receives its 1% allocation. All launched tokens remain visible in the Token Forge Explore page, gaining ongoing exposure to the PBTC community.

This comprehensive technical architecture ensures that the Token Forge provides professional-grade token launches with security, automation, and sophisticated features, all while maintaining accessibility for non-technical creators. The modular design allows continuous improvement and feature additions without disrupting existing launches, positioning the platform for long-term growth and evolution.



10. Legal Disclaimer

PepeBitcoin (PBTC) is a decentralized, community-driven project. This document does not constitute financial advice or an investment offer. While efforts have been made to ensure transparency and good faith management, users participate at their own risk. The PBTC team reserves the right to modify elements of the project as needed to adapt to changing market conditions, regulations, or technical considerations.

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