CDEF CO., LTD. · TOKEN WHITEPAPER

PPRIAC

BEP-20 Utility Token on BNB Smart Chain

The ecosystem currency linking Zikeygo Chat (secure messenger) and PPRIAM (CCTV & media content platform)

Total Supply 1,000,000,000 PPRIAC | BNB Smart Chain (BEP-20) | Decimals 18

White Paper v1.3 (Integrated Tokenomics Edition) · 2026

IMPORTANT NOTICE

Legal Notice (Disclaimer)

This whitepaper has been prepared to provide information on the PPRIAC token issued by CDEF Co., Ltd. (the "Company"). It does not constitute an investment solicitation, an offer to subscribe, or advice on any financial product.

PPRIAC is a utility token intended for use within the ecosystem built by the Company, and does not represent any securities rights such as equity, dividends, or interest.

Digital assets carry high price volatility and a risk of loss of principal. Forward-looking information in this whitepaper — plans, roadmap, tokenomics, technical specifications and the like — may change without prior notice depending on market conditions and the regulatory environment.

In certain countries and regions, acquiring, holding, or trading digital assets may be restricted, and users are responsible for complying with the laws of their own jurisdiction. Final listing depends on the individual review of each exchange's listing team.

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SECTION 01

1 Project Overview

PPRIAC is a utility token with a total supply of 1 billion, issued by CDEF Co., Ltd. on BNB Smart Chain (BEP-20). It is the core currency of an integrated ecosystem linking the secure messenger 'Zikeygo Chat' with 'PPRIAM', the CCTV and media blockchain content platform. From the design stage it meets the three core conditions exchanges require of newly issued tokens — contract reliability, transparent distribution, and third-party audit.

Immutable Contract

No mint · no privileged functions

Removes unlimited-issuance and honeypot risk

Transparent Distribution

22.88% initial circulation · on-chain vesting

Tokenomics that minimize supply-dump risk

Real-World Utility

Messenger · content · swap

Payment and reward medium for all services

1,000,000,000	22.88%	18	BEP-20
Total Supply	Initial Circulation	Decimals	Standard

PPRIAC is issued as a new, independent token separate from the existing PPRIA COIN (v1/v2), building a fresh track record on the real technology and services of the CDEF ecosystem. This whitepaper transparently discloses not only the token's design philosophy and tokenomics but also the core technical specifications that power the ecosystem.

SECTION 02

2 Background & Market Opportunity

The digital communication and content industries are growing fast, yet both carry two structural challenges: communication security and fair value distribution. The PPRIAC ecosystem connects these two markets into one and solves them together.

Communication Market

- **Messenger penetration saturated at 98% in Korea** — New opportunity lies in security and specialized features
- **Rising demand for secure messengers** — Enterprises, financial institutions, privacy-conscious individuals
- **Weak privacy protection** — Data collection by existing services and weak communication protocols

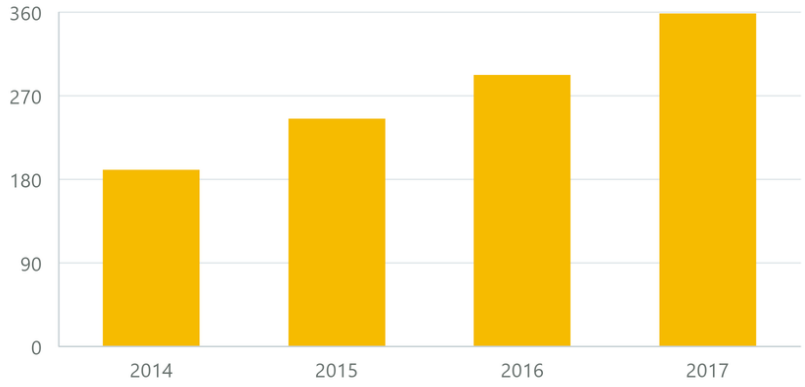
Content Market

- **Global growth of K-content** — Korea's music industry revenue KRW 5.3tn in 2016 (+6.7%), K-Pop spreading worldwide
- **Unfair revenue distribution** — Large-media dominance strips small creators of bargaining power
- **Rising piracy and infringement** — Existing copyright protection lags behind sophisticated infringement

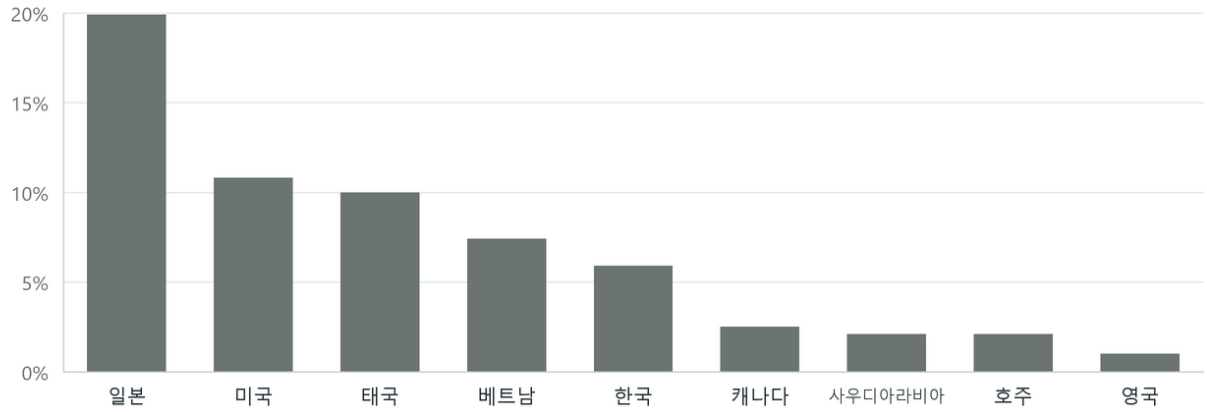
The PPRIAC approach — By combining national-standard security technology with blockchain-based transparent distribution, we build an ecosystem on a foundation of trust that participants can enter with confidence, and where creators, consumers, and investors share value fairly.

The Hallyu Video Service Landscape

With the end of the TV monopoly and the arrival of the multi-media, multi-platform era, anyone can now become a creator. K-format entertainment exports and global streaming consumption are expanding rapidly, and Korean content is reaching beyond Asia into the Americas and Europe.



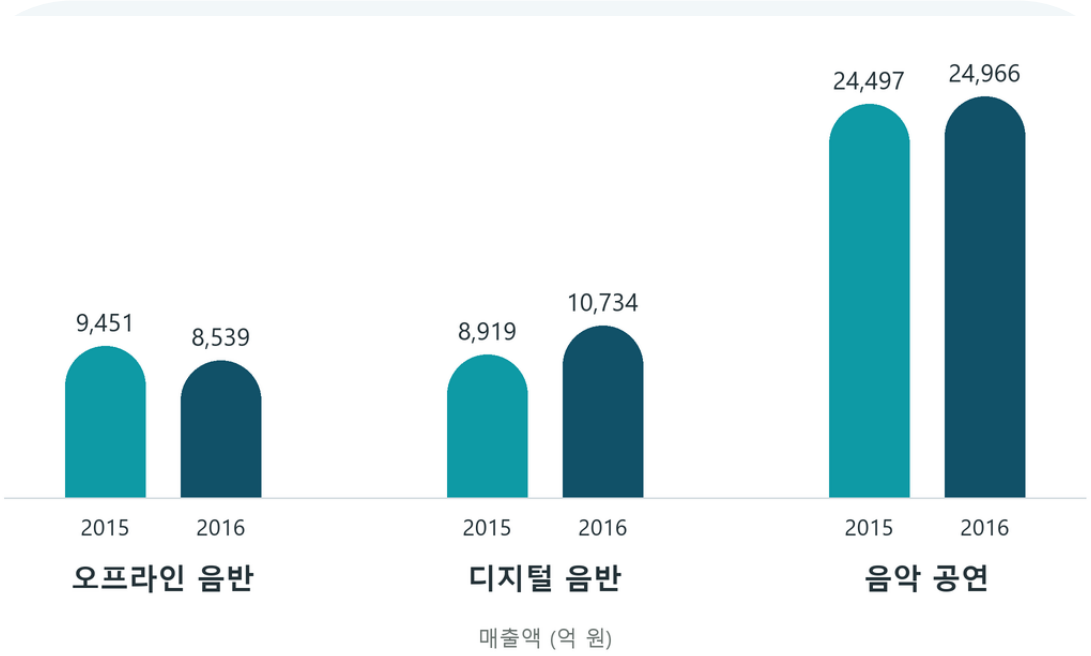
< 트위치에서의 연간 총 시청 시간 (10억 분) >



< 유튜브에서의 국가별 K팝 소비량 비율 >

The Music Market Landscape

Korea's music industry posted revenue of KRW 5.3082 trillion in 2016, up 6.7% year on year, with average annual growth of 7.3% from 2014 to 2016. Online music distribution (+8.8%) and music production (+9.9%) are driving the growth, and global music streaming services are also spreading rapidly worldwide.





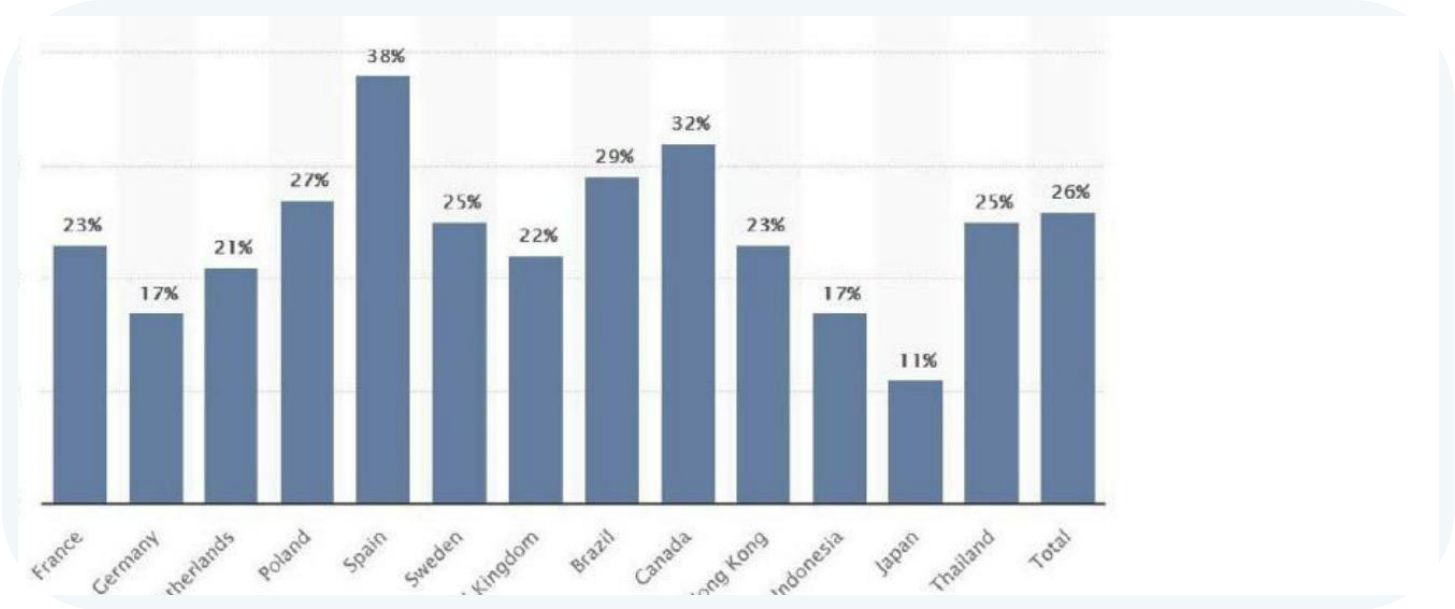
< 세계 음원 서비스 지도 >

< Offline & digital album / live music revenue trend (KRW 100M) · Global music streaming map >

Structural Problems of the Content Market

As the digital content market becomes a battleground for large-scale capital, stakeholders including creators are sidelined in production, consumption, and revenue distribution. Digital content is also inherently vulnerable to hacking and piracy, and is consumed through illegitimate channels.

- **Unfair profit sharing** — Creators and consumers excluded from revenue sharing in an oligopolistic market
- **Piracy and illegal distribution** — Copyright infringement discourages creation and threatens the industry



< Share of film & TV series viewed via non-cooperative (illegal) channels, major countries (2017) · statista >

SECTION 03

3 Solution & Vision

PPRIAC connects a single ecosystem — the secure messenger (Zikeygo Chat) and the CCTV & media content platform (PPRIAM) — with a single token. By circulating payment, rewards, access rights, and governance, it aims at a structure in which each participant's contribution returns to them as reward.

Payment & Access

Service fee payment and premium feature access

Staking & Rewards

Rewards for stakers and stabilization of circulating supply

Content Trading & Investment

Blockchain trading and fractional investment in works

Governance

Community participation in key decisions (to be introduced)

Vision

"An ecosystem where creators and consumers grow together, built on a token you can trust."
With privacy protection and creator protection as its two pillars, PPRIAC is building an integrated Web3 platform that links a safe community with a fair content economy.

Entertainment Blockchain Platform

The PPRIAC platform is a culture and arts ecosystem spanning the whole creative industry — music, film, drama and more. Creation, distribution, and consumption take place transparently in a trusted online and offline environment, and blockchain data lets every participant share value fairly.

World's First
Entertainment Blockchain Platform

Video Security Service
Blockchain-based secure media

Artist Collaboration
Together with the finest creators



PPRIAC's Operating Goals and Philosophy

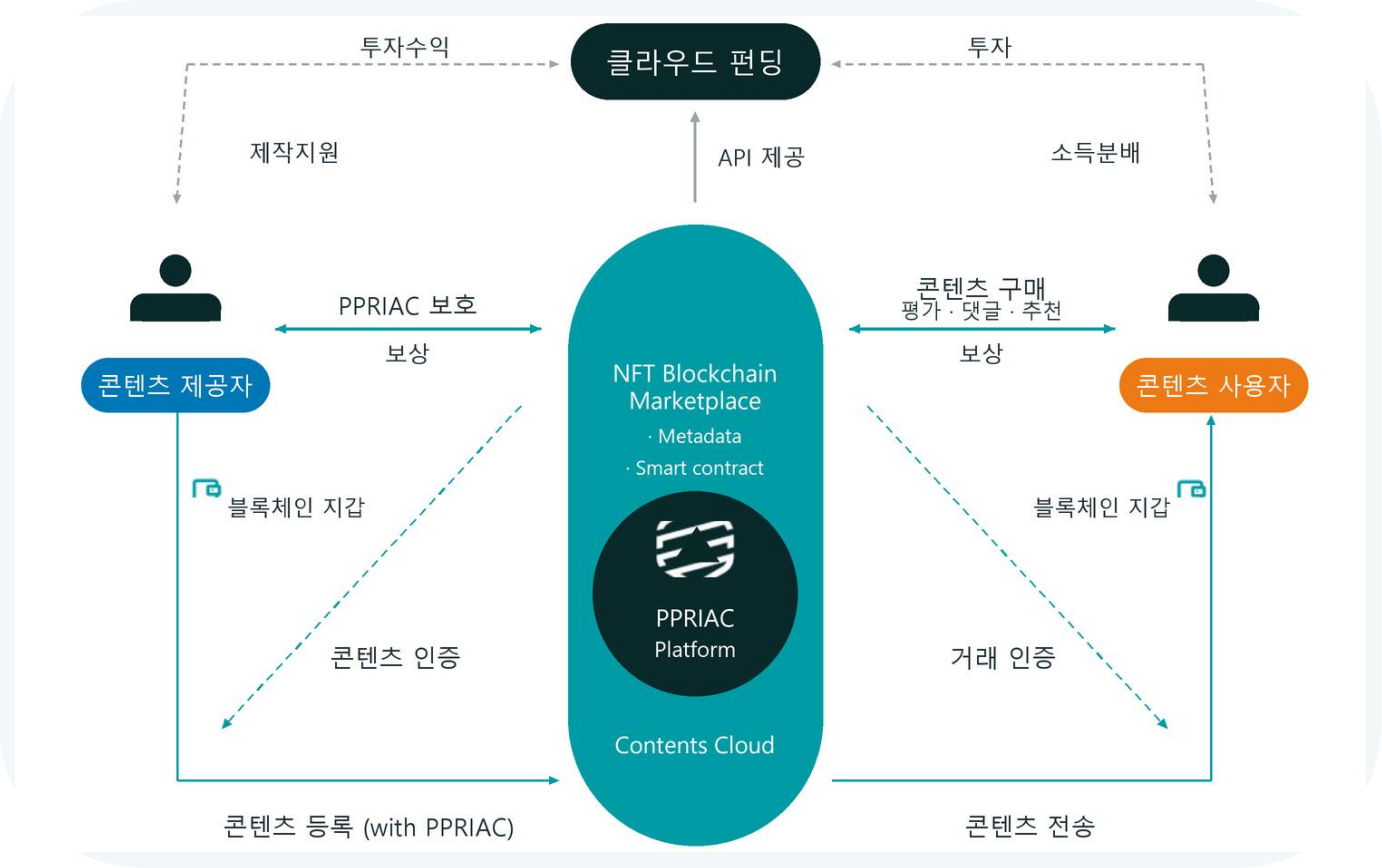
Culture and the arts play a vital role in enriching individual lives, healing social conflict, and shaping a creative future. Yet the sector as it stands suffers from a centralized, unfair, and opaque structure and a pervasive black market. PPRIAC offers new opportunities to creators and easy access to consumers, fostering a culture and arts ecosystem that all of humanity can enjoy together.

“Recording the album you dreamed of, seeing the star you dreamed of live — on PPRIAC, every one of those dreams becomes real.”



Content Ecosystem Business Model

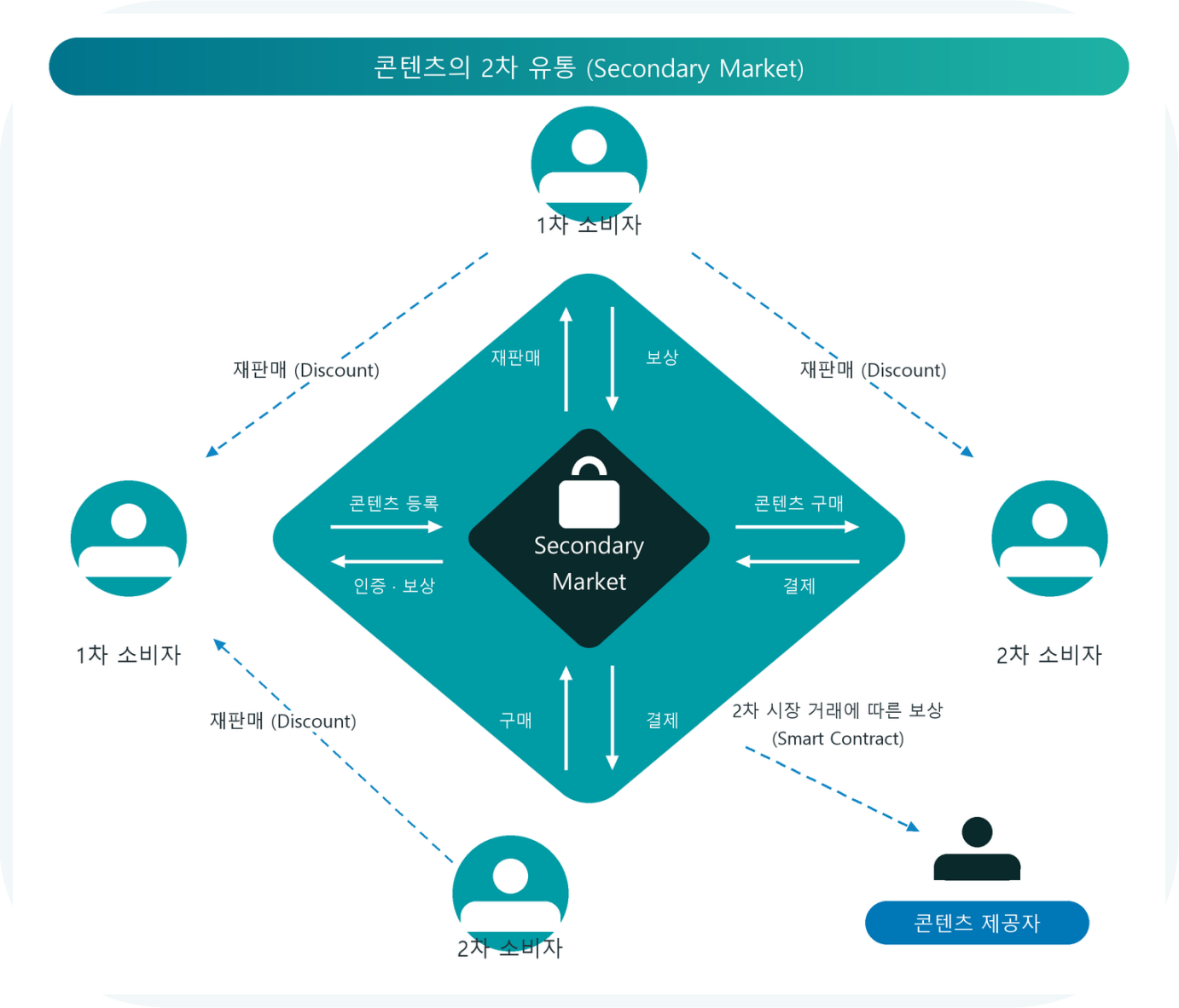
PPRIAC's business model is designed to benefit every stakeholder — creators, distributors, consumers, advertisers, and developers. Blockchain-based distribution minimizes intermediaries and resolves three challenges: copyright protection, autonomy, and token circulation.



< Content Ecosystem Business Model >

Content Secondary Market

PPRIAC supports transparent purchase histories, letting consumers resell content they have bought in a variety of forms. Even in secondary distribution the agreed share is settled automatically to creators and rights holders, building trust between creators, curators, and consumers.

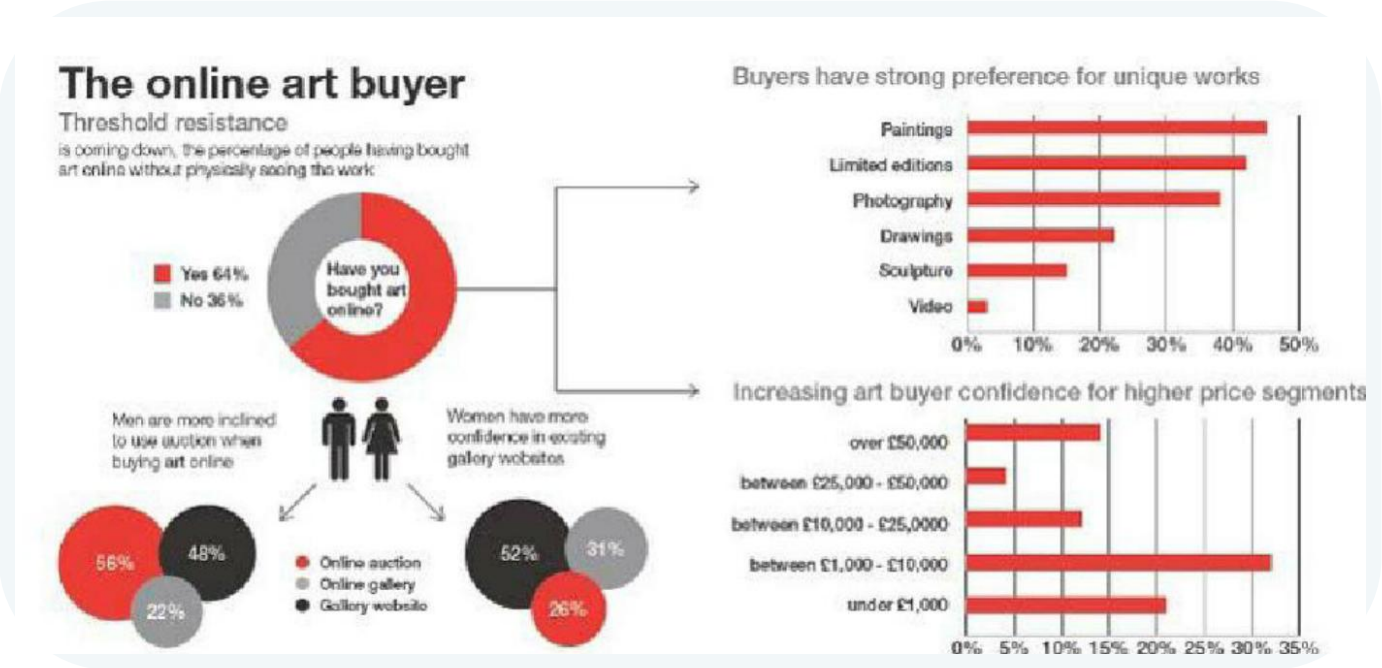


< Content secondary distribution (Secondary Market) structure >

Online Content & Art Buyer Insights

The online content and art trading market is growing rapidly. Many buyers already purchase works online without seeing them in person, and show a strong preference for works with guaranteed authenticity and scarcity. PPRIAC underpins that buyer confidence with blockchain-based authenticity and ownership verification.

- **Online purchasing goes mainstream** — A growing share buy works online sight unseen (Yes 64%)
- **Preference for authenticity and scarcity** — Strong preference for unique works: paintings, limited editions, photography
- **Rising trust in high-price segments** — The higher the price band, the greater the confidence in buying online

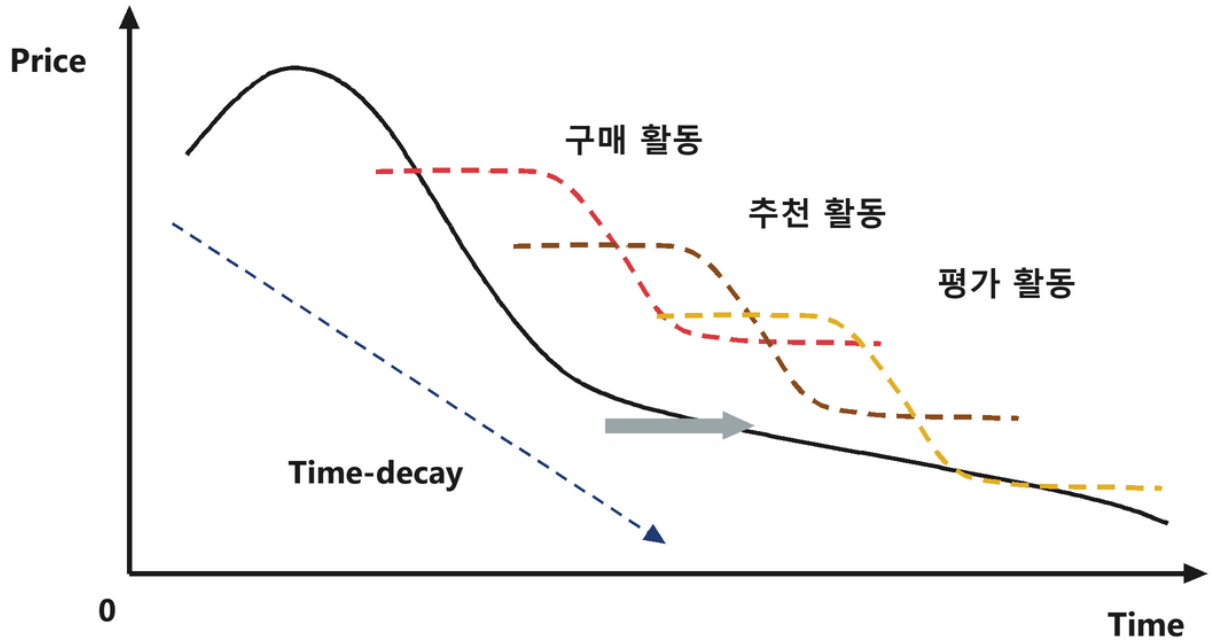


< The online art buyer — online art buyer behavior (reference) >

Content Pricing Model

Content has a lifecycle like an organism with a finite lifespan, and its use value is sustained by user activity — ratings, comments, votes, recommendations. The higher the activity index, the more the decline of the price curve (time-decay) is delayed, giving creators an incentive to reward consumer activity.

Content Price = Intrinsic value + User activities + Time value



Content Trading System (Contents-Trading)

A trading platform structured like a securities system, and a crowdfunding platform at the same time. It connects the value of content and artworks directly with investors, and protects authorship, ownership, and transaction integrity with blockchain-based security. (CIR registration · HTS trading)

■ **For Creator** — Register and update works easily, track distribution transparently, and receive a fair revenue share

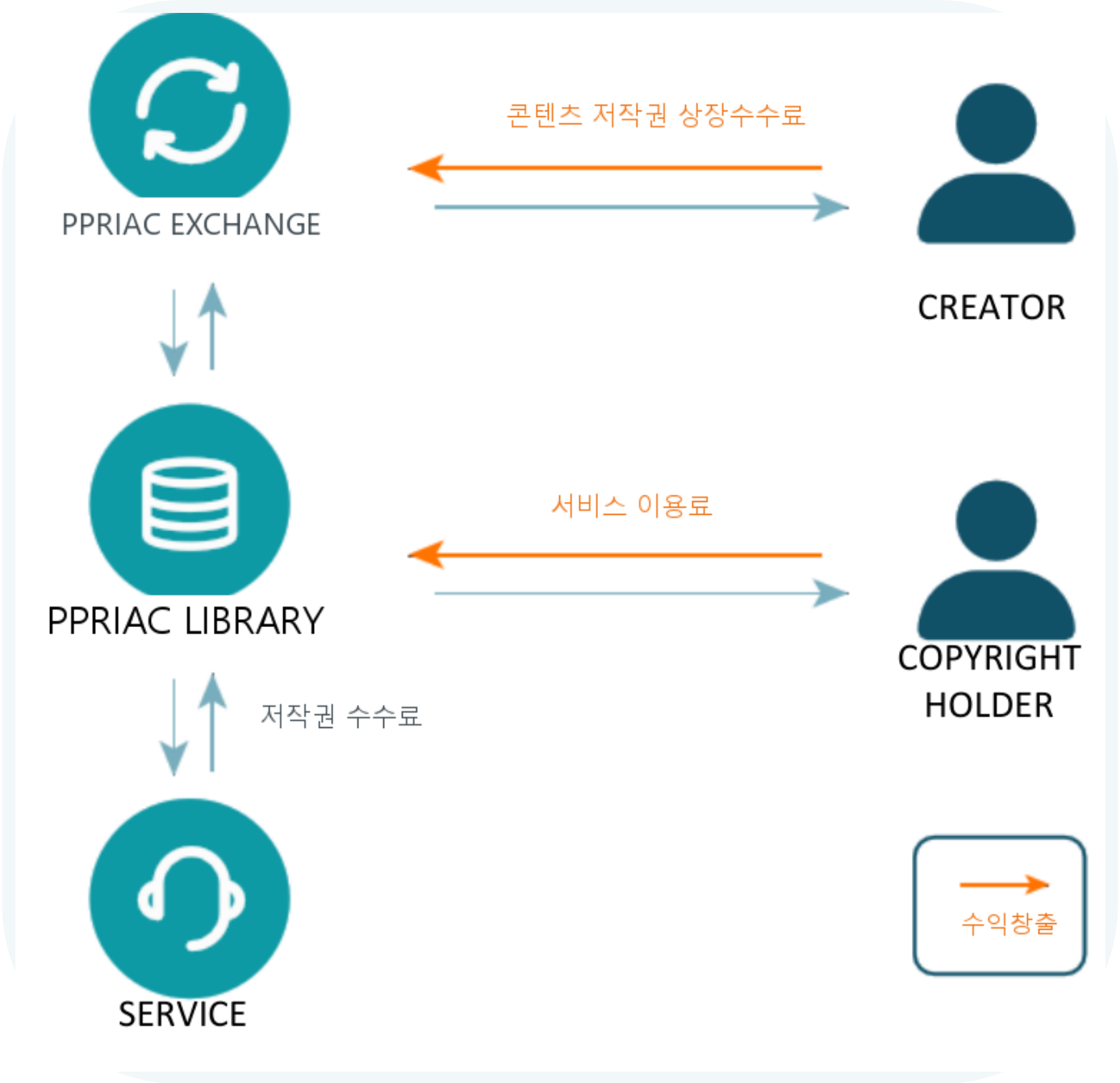
■ **For Distributor** — Run distribution services on supply forecasts and A.I data, and discover new cultural industries

■ **For Consumer** — An open environment to join ecosystem processes while enjoying and trading content



PPRIAC Culture Community

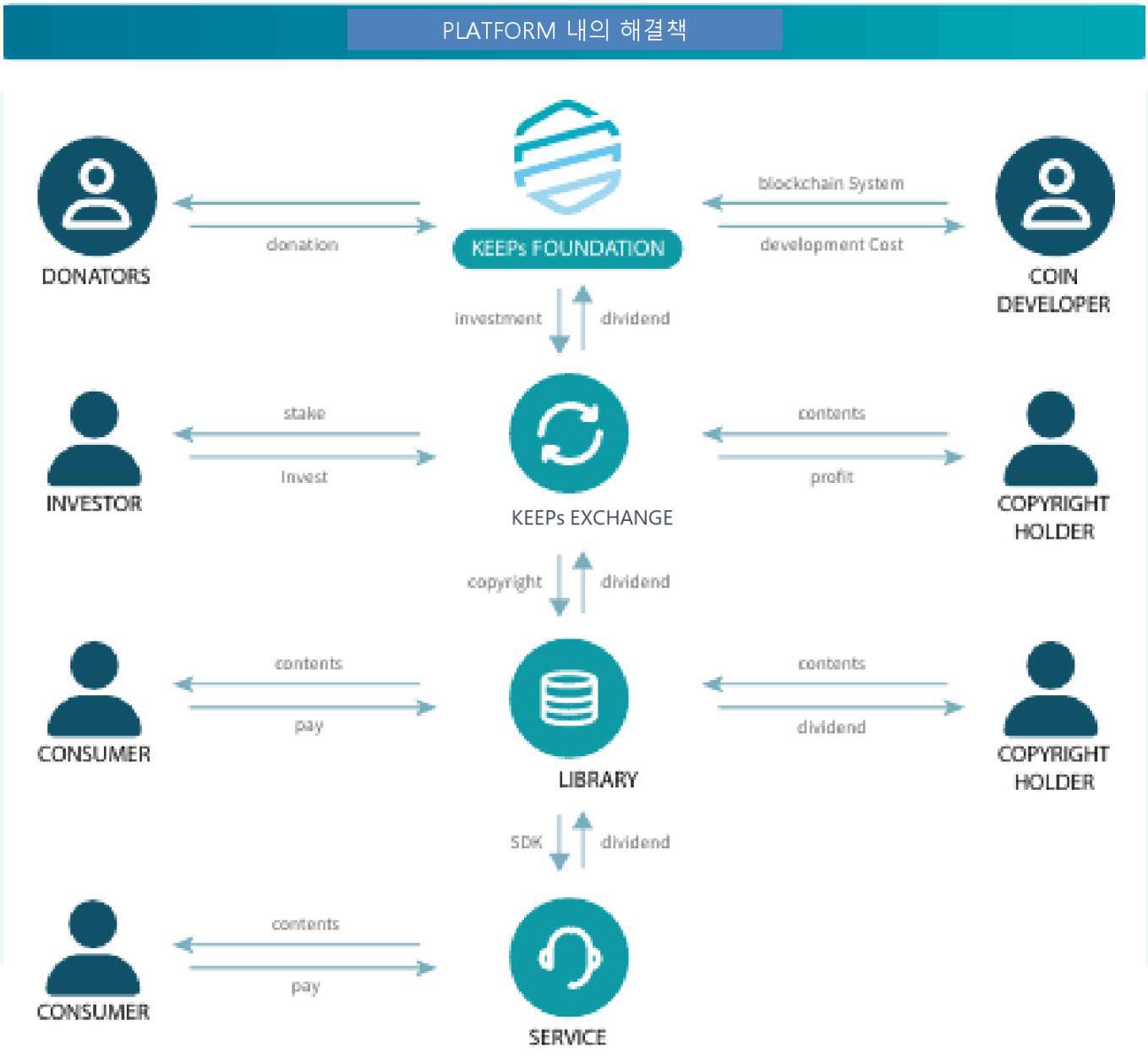
Music, video, webtoons, films and more can be shared and gifted within the community. Centered on PPRIAC EXCHANGE and LIBRARY, it is an open platform where investors, creators, rights holders, and services circulate fees and rewards and grow together.



< PPRIAC Culture Community value circulation >

Creator–Consumer Value Circulation

The PPRIAC platform resolves the unfair creator–consumer structure of the existing market with a transparent settlement structure built on KEEPs FOUNDATION, EXCHANGE, and LIBRARY. Each participant's contribution — content or investment — returns to them as dividends and rewards.



< The solution within the PLATFORM — value circulation structure >

VR Content & Media Services

Using VR, a core technology of the Fourth Industrial Revolution, we provide a virtual gallery for enjoying and sharing content anytime, anywhere. A dedicated secure player (video, audio, image) and art and music ranking services support direct interaction between creators and consumers.



SECTION 04

4 Platform Architecture

The PPRIAC ecosystem consists of three layers. The secure messenger (Zikeygo Chat) and the CCTV & media content platform (PPRIAM) each provide their own services, and the PPRIAC token mediates every movement of value between them.

Zikeygo Chat — Secure Messenger

SEED encryption · WebRTC real-time communication · AI security monitoring

A privacy-first communication layer built on national-standard encryption

PPRIAM — CCTV & Media Blockchain Content Platform

CCTV & media content trading (CIR/HTS) · creator and owner protection · VR gallery

The service layer for registering, trading, and investing in CCTV & media content, and for fair rewards

PPRIAC — Core Ecosystem Currency

Payment · rewards · point swap · staking · governance

The BEP-20 utility token layer that links value across all services

Fair profit sharing — value is returned transparently to creators, consumers, and fund providers alike.

SECTION 05

5 Security Technology : SEED & WebRTC

SEED Encryption

- **National-standard (KISA) block cipher algorithm** — Designated as a standard optimized for national security environments
- **128-bit symmetric key** — Balancing strong security with fast processing speed
- Encryption/decryption twice as fast as conventional methods
- Compliance with domestic security rules + global compatibility

WebRTC Real-Time Communication

- **Direct P2P connection architecture** — Direct communication without passing through a server
- Low-latency communication averaging under 50ms
- Scalability for over 1 million concurrent connections
- Encryption applied to all media transmission

SEED / 128-bit	< 50ms	1M+	2x
National-standard cipher	Average latency	Concurrent users	Encryption speed

By combining national-standard encryption with real-time P2P communication, we provide a secure messenger foundation that enterprises, financial institutions, and individuals can all trust.

SECTION 06

6 AI Features & Content Protection

AI-Powered Messenger Features

AI Chatbot Assistant

Schedule management and task automation

Real-Time Translation

Multilingual instant message translation

Security Monitoring

Anomaly detection and threat response

Smart Search & Commerce Integration

Conversation search and proxy purchasing via linked shopping malls

AI Deep-Learning Content Protection Monitoring

- **Global piracy detection** — Scans services worldwide for illegally copied content
- **Deep-learning pattern training** — Intelligent response even to advanced copying methods
- **Automated violation reporting & risk scoring** — Automatic classification of malicious sites
- **Content owner protection enforcement** — Covers CCTV, video, image and music; multilingual and multi-platform

Real-time response based on AI technology proven with over one million concurrent users.

SECTION 07

7 Blockchain Content Trading & Rewards

Registration, trading, investment, and fair rewards for CCTV and media content are automated on the blockchain. Every transaction is recorded transparently, protecting copyright, ownership, and the integrity of the original.

CIR Registration

A unique identifier assigned after review of CCTV and media content, with transparent information

HTS Trading

Fractional content rights traded in real time like stocks, reflecting market value changes

Blockchain Security

Copyright and ownership records protected from forgery, tampering, and hacking

VR Content Platform

- **Enjoy and share content in the VR gallery** — Buy and invest with PPRIAC under a shared-ownership model
- Direct interaction between creators and consumers

Tiered Automatic Reward System

- **Creator rewards · consumer rewards · reputation rewards** — Calculated automatically by content value, consumption, and quality
- **Funding rewards · verification rewards** — Paid to pre-funding participants and quality verification contributors
- **Pre-funding mechanism** — Investors share in success revenue as co-authors of the content

SECTION 08

8 Point ↔ PPRIAC Swap & Economics

A swap module that converts points earned through messenger and content activity into PPRIAC. It provides secure on-chain exchange and a price stabilization mechanism.

Swap Technical Design

- **BEP-20 based token swap smart contract** — Atomic transactions prevent partial failure
- **AMM liquidity pool** — Automated liquidity adjustment and price stabilization
- **Cross-chain bridge** — Multi-blockchain support and exchange API integration

Swap Rate and Fees

Base exchange rate	1 point = 1 PPRIAC
Base swap fee	1.0%
Staking bonus	Up to +2%
Bulk transaction discount	Up to 0.5% reduction

Point Earning & Conversion

- **Earning channels** — Messaging, content consumption, referrals, mission completion
- **Conversion process** — Minimum 5,000P; apply the 1st–10th monthly; received in wallet within 15 days
- **Conversion rate by tier** — Bronze 100% · Silver 105% · Gold 110% · Platinum 120%

SECTION 09

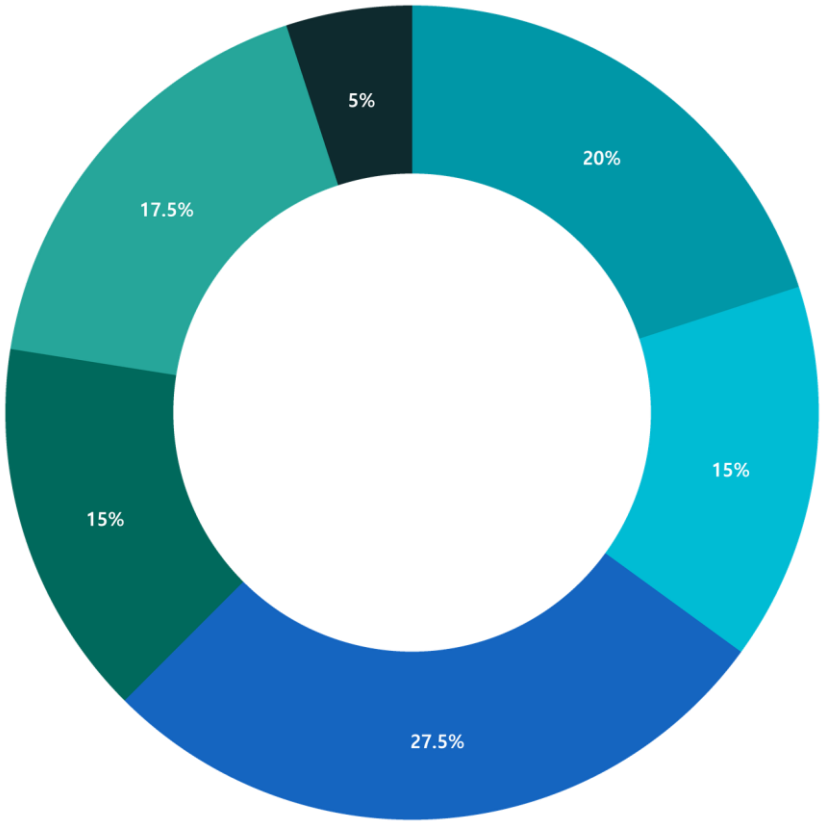
9 Token Overview

Token Name / Ticker	PPRIAC / PPRIAC
Issuing Chain	BNB Smart Chain (BEP-20)
Total Supply	1,000,000,000 PPRIAC (1 billion)
Decimals	18 (BEP-20 standard)
Issuer	CDEF Co., Ltd.
Target Listing Exchange	BingX (Spot)
Contract Characteristics	Fixed supply · no mint function · immutable with no privileged functions
Additional Features	ERC20Burnable (voluntary burn) · ERC20Permit (EIP-2612 gasless approval)
Relation to Existing Project	A new, independent project separate from PPRIA COIN (v1/v2)

Because a newly issued token has no track record, contract reliability, a transparent distribution structure, and a completed audit are the minimum conditions for passing listing review. PPRIAC is designed to satisfy all three from the moment of issuance.

10 Tokenomics

	Liquidity Provision (DEX/CEX/MM)	**22%**	220,000,000
	Team & Advisors	**10%**	100,000,000
	Foundation / Ecosystem Development	**22.88%**	225,000,000
	Marketing & Partnerships	**13.5%**	135,000,000
	Community / Airdrop / Staking	**18%**	180,000,000
	Presale (Seed/Private/Public)	**14%**	140,000,000
	Total	**100%**	**1,000,000,000**



Initial circulation 22.88% (unlocked liquidity 22% + public-sale TGE 0.88%) — within the recommended 10–30% band

SECTION 11

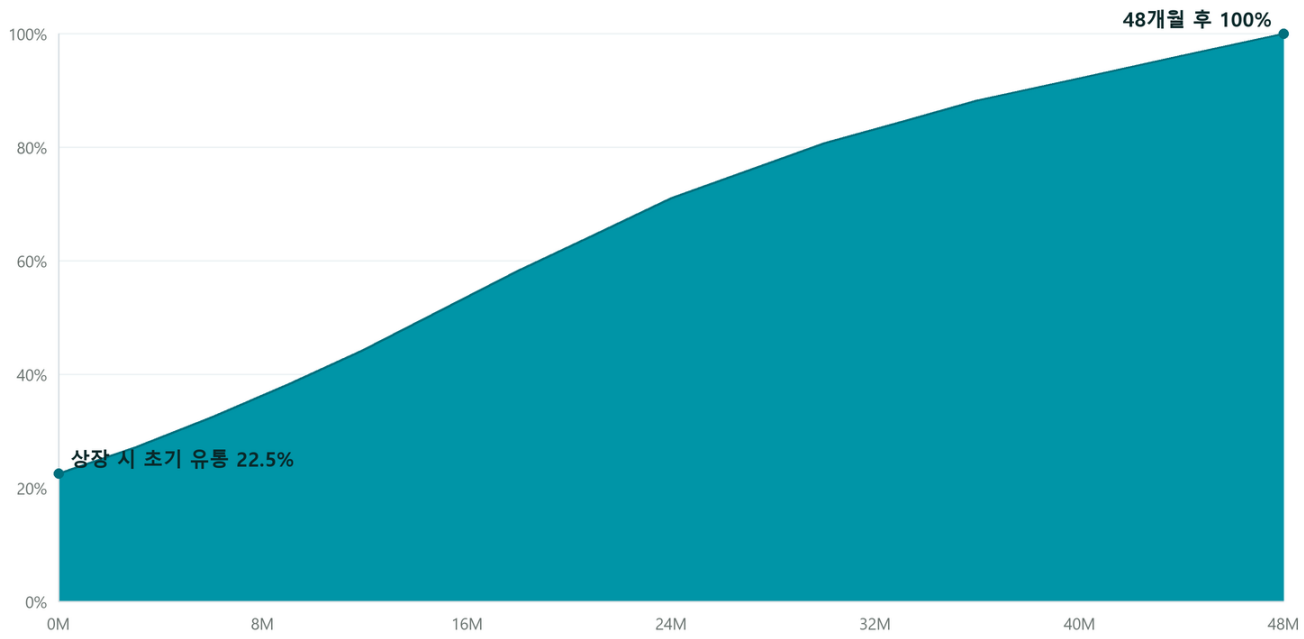
11 Detailed Allocation

Category	Item	Share	Amount	Lock-up / Vesting
Liquidity 22%	DEX liquidity (PancakeSwap V2)	9%	90,000,000	Immediate at listing + LP locked 24 months
	CEX liquidity	8%	80,000,000	Exchange deposit (immediate)
	Market-making reserve	5%	50,000,000	MM operating reserve (immediate)
Team 10%	Core team	7%	70,000,000	12-month cliff + 36-month linear
	Advisors	3%	30,000,000	12-month cliff + 24-month linear
Foundation 22.88%	Ecosystem development / R&D	9%	90,000,000	48-month linear
	Foundation operating reserve	6.5%	65,000,000	48-month linear
	Partner grants / developer support	7%	70,000,000	48-month linear
Marketing 13.5%	Marketing / branding	6.5%	65,000,000	30-month linear
	Partnerships / BD	4%	40,000,000	30-month linear
	Exchange listing / liquidity support	3%	30,000,000	18-month linear
Community 18%	Staking rewards	9%	90,000,000	48-month linear
	Airdrop	4%	40,000,000	3-month cliff + 21-month linear
	Community incentives / events	5%	50,000,000	36-month linear
Presale 14%	Seed / strategic sale	2.625%	26,250,000	3-month cliff + 9-month linear
	Private sale	7%	70,000,000	3-month cliff + 9-month linear
	Public sale	4.375%	43,750,000	TGE 20% + 3-month cliff + 9-month linear
Total		**100%**	**1,000,000,000**	

SECTION 12

12 Vesting & Unlock Schedule

All locked allocations are enforced by on-chain vesting contracts. Below is the circulating supply over time, designed so that no sharp release of supply occurs right after listing.



- **22.88% initial circulation at listing** — Only liquidity allocations and the public-sale TGE tranche circulate immediately; the remaining 77.5% is locked
- **12-month team cliff** — Zero team tokens released for 12 months after listing
- **Linear release** — Even daily release after the cliff spreads out selling pressure
- **100% at month 48** — All vesting complete, with no further issuance thereafter

SECTION 13

13 Smart Contract & Security

Technical Requirements

- **Mint cap hard-coded at a total supply of 1 billion** — There is no unlimited additional-issuance function at all
- **No honeypot elements such as taxes, sell limits, or blacklists** — Standard transfer logic only
- **Immutable contract with no privileged functions** — No admin authority at all, making ownership renounce unnecessary
- Full verification of transfer/approval/balance logic on BSC Testnet
- **Voluntary burn (Burnable) · gasless approval (Permit) supported** — No supply increase and no transfer restrictions

Third-Party Security Audit

After mainnet deployment, an audit report will be obtained from at least one of the following firms.

CertiK	SlowMist	PeckShield	Hacken	QuillAudits

Liquidity Management

- Initial liquidity provided on major BSC DEXs including PancakeSwap
- **LP token lock-up via Unicrypt, Team Finance, and similar services** — Evidence against rug pulls
- Lock-up proof (transaction hash) included in the listing application

SECTION 14

14 Utility & Governance

PPRIAC delivers the following real-world value within the ecosystem.

Payment

Means of payment for messenger and content service fees and purchases

Access

Entitlement to premium content, features, and the VR gallery

Staking

Rewards for stakers and stabilization of circulating supply

Point Swap

Convert earned points into PPRIAC (1P = 1 PPRIAC)

Governance

Community voting on key parameters and policy decisions (future)

Burn

Supply control through voluntary burns under ecosystem policy

Install Reward

Users who install the Zikeygo Chat app and complete sign-up receive 10 PPRIAC each. The reward is paid from the community incentive allocation (5% - 50,000,000 PPRIAC) and ends once that allocation is exhausted (up to 5,000,000 recipients). Distributed tokens follow that allocation's 36-month linear vesting schedule, and one account per person is verified.

SECTION 15

15 Listing Preparation Roadmap

1

STEP 1

Finalize tokenomics

Fix allocation ratios, vesting schedule, initial circulation (20–30%)

2

STEP 2

Contract development & internal testing

Fixed mint cap, no honeypot elements, full Testnet verification

3

STEP 3

Mainnet deployment & liquidity provision

BSC deployment, PancakeSwap liquidity, LP lock-up

4

STEP 4

Third-Party Security Audit

Engage CertiK/SlowMist/PeckShield and secure the report

5

STEP 5

Trading record & community building

Build DEX volume, holder count, SNS/Telegram activity

6

STEP 6

Corporate / KYB document preparation

Certificate of registration, team ID proof, whitepaper and roadmap in English

7

STEP 7

Submit BingX listing application

Apply via coin-apply / Listing FastTrack, await BD contact

SECTION 16

16 Platform Strategy (2026–2029)

Ecosystem services expand in stages alongside listing preparation. (Timeline aligned to the whitepaper's 2026 reference point.)

2026

Ecosystem Expansion · Token Issuance

Token issuance and listing preparation; build and pilot the point–PPRIAC swap system

2027

Integrated Platform Build-Out

Introduce AI-based content curation; strengthen compatibility with cross-chain solutions

2028

Global Expansion

Enter key markets in Asia, North America and Europe; expand localized content reward systems

2029+

XR Integration

Launch an XR-based content marketplace; expand real-economy linked services

"The PPRIAC ecosystem will grow into the global standard blockchain platform for content creators and consumers."

Platform Roadmap (2026–2029)

Ecosystem services expand in stages alongside listing preparation. (Timeline aligned to the whitepaper's 2026 reference point.)

2026

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Enter key markets in Asia, North America and Europe; expand localized content reward systems

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XR Integration

Launch an XR-based content marketplace; expand real-economy linked services

SECTION 17

17 BingX Listing Preparation

Qualitative Evaluation Factors

- Clear token utility
- Transparent distribution and vesting
- Sustainable tokenomics
- Liquidity and volume on other CEXs/DEXs
- A reliable market maker
- An organic community and a communicative team

Submission Document Checklist

Technology / Security	Smart contract address, third-party audit report, BscScan verification
Token Information	Total supply, allocation structure, vesting/unlock schedule
Corporate Information	Certificate of corporate registration, team identity proof (KYB)
Project Materials	Whitepaper, roadmap, official website/SNS channels
Performance Data	DEX volume, holder count, community size

Reference Costs (estimates from third-party listing agencies)

· Exchange evaluation/onboarding : US$ 20,000 ~ 40,000 · Liquidity & market making : US$ 15,000 ~ 60,000

※ These are not official BingX fixed fees. BingX states that it charges no separate broker or evaluation fee through its own application channel (coin-apply) and Listing FastTrack.

Platform Specifications & Services

The PPRIAC platform provides standard interfaces and dedicated services for a wide range of content.

KEPPRIA Gateway
Interaction gateway in API/SDK form

PPRIAC API
Asset modules for each OS, device, and PC

Exchange Service
Real-time trading/exchange via HTML5 and QR

PPRIAC Wallet
Integrated wallet across multiple OSs and information services

Online Player
Dedicated secure player for Web, Android, and iOS

Reward System
Five rewards: creation, consumption, reputation, funding, verification

Funding System
Content crowdfunding (CCFS)

Advertisement
A.I targeting ad management system

Partnerships & References

PPRIAC expands its content ecosystem in cooperation with partners across broadcasting, media, and entertainment. Building on a network of major broadcasters, platforms, and media companies, it broadens real-world distribution.

OUR CLIENTS



SECTION 18

18 Issuer & Risk Disclosure

Issuer

Issuing Entity	CDEF Co., Ltd.
Project	PPRIAC (BEP-20 utility token)
Security Contact	contact@ppriac.com

Risk Disclosure

- **Market risk** — Digital assets carry high price volatility and may result in loss of principal.
- **Regulatory risk** — Regulatory change by country or region may restrict acquisition, holding, or trading.
- **Technology risk** — Smart contracts may contain unforeseen vulnerabilities (mitigated by audit).
- **Listing risk** — Final listing depends on the individual review of the exchange's listing team.
- **Forward-looking information** — Plans, roadmap, and technical specifications herein may change without prior notice.

This whitepaper is not an investment solicitation; users must participate at their own judgment and responsibility.