



# Whitepaper

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# 1. Current Status of the Payment Solution Market

## 1.1 Issues in the Current Market

Traditional global payment systems have several limitations, which can be categorized into technical, economic, and regulatory issues. Below, we outline these issues by category and explore how blockchain technology can offer solutions.

### 1) Technical Aspects

#### ☐ Lack of Speed and Scalability

Traditional credit card networks (e.g., Visa) can handle around 1,700 transactions per second (with a theoretical maximum of 24,000). In contrast, Bitcoin processes around 7 transactions per second, and Ethereum handles about 15. This low TPS (Transactions Per Second) makes it difficult for blockchain-based payments to efficiently handle high transaction volumes.

#### ☐ Security Vulnerabilities (Risks Due to Centralization)

Existing payment systems store transaction records and user data in centralized databases, creating a single point of failure (SPOF). This increases the risk of hacking, and once a central server is compromised, the entire system is at risk. Centralized administrators control all transaction data, raising concerns about data leaks and insider misuse.

Payment Networks	Estimated Daily Transaction Volume and Count	TPS (Transactions Per Second)
Bitcoin(BTC)	\$32.14B, 570K transactions	7
Ethereum(ETH)	\$34.54B, 1.2M transactions	15
Ripple(XRP)	\$6.24B, 680K transactions	1,500
Paypal	\$4.86B, 41M transactions	193
Visa	\$46B, 720M transactions	1,700
Mastercard	\$27B, 479M transactions	1,300
Stripe	\$2.74B, 35M transactions	120

[Table 1] – Comparison of Daily Transaction Volumes and Counts

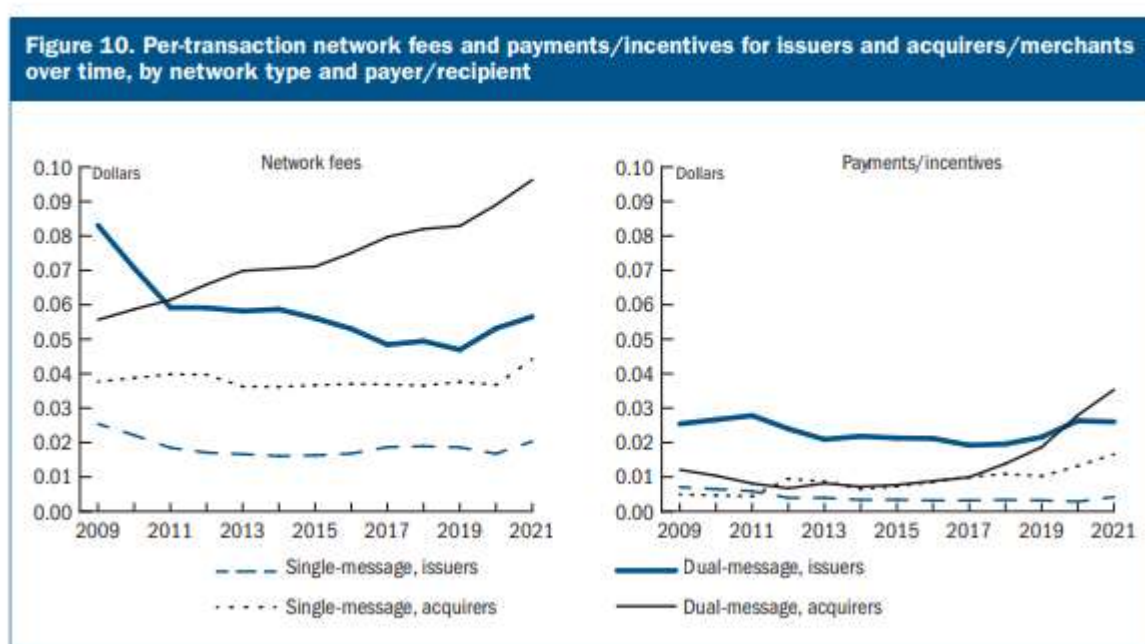
## 2) Economic Aspects

### ☐ High Transaction Fees

Average transaction fees on credit card and legacy payment networks are about 2-4% of the transaction amount, which is quite high. This fee structure imposes a significant burden on small merchants and consumers, particularly in small-value transactions.

### ☐ International Remittance and Exchange Costs

Cross-border payments and remittances often involve multiple intermediary banks and networks, causing delays and additional fees. Traditional international remittance fees average around 6-7%, with funds taking days to arrive. Exchange fees and interbank charges further contribute to inefficiencies.



[Figure 1] Per-transaction network fees and payments/incentives for issuers and acquirers/merchants over time, by network type and payer/recipient

## 3) Regulatory Aspects

### ☐ Challenges in KYC/AML Compliance

Blockchain transactions are inherently pseudonymous, making it difficult for regulators to identify transaction participants and enforce KYC (Know Your Customer) and AML (Anti-Money Laundering) rules. While centralized exchanges require identity verification, complete traceability remains limited.



## □ Privacy and Data Protection Concerns

Traditional payment systems store all user data centrally, exposing transaction histories to corporations or institutions. On public blockchains, transaction records are transparent, and once a wallet address is linked to an identity, all related transactions become traceable. Although blockchain itself offers high anonymity, it can paradoxically expose personal transaction history if not carefully managed.

Country	Regulatory Highlights
Malta	Became a global leader in crypto regulation with its VFA Act, offering legal clarity, tax incentives, and financial support for blockchain businesses.
Germany	Recognizes Bitcoin as legal tender and provides a safe environment with strict AML laws. Treats crypto as private capital for tax purposes.
Singapore	Offers strong regulatory frameworks and tax exemptions for digital tokens, fostering innovation and attracting crypto businesses.
Estonia	Promotes digital entrepreneurship with e-Residency and crypto-friendly tax rules. Provides a solid legal foundation for individuals and businesses.
Canada	Known for a balanced regulatory approach, with clear guidelines and capital gains tax policies that support both innovation and investor protection.
Gibraltar	Offers 0% capital gains tax and a favorable regulatory framework to attract crypto businesses.
Netherlands	Enforces strict KYC/AML regulations but provides favorable tax treatment for crypto as assets, supporting compliance and transparency.
USA	Features complex federal and state-level regulations. States like Wyoming support crypto, but federal authorities impose capital gains tax and detailed IRS reporting.
Portugal	Famous for its VAT exemptions and low tax rates for crypto operations, making it an attractive destination for blockchain innovation.
Luxembourg	Offers zero capital gains tax on individual crypto profits and clear regulations that support blockchain companies.

[Table 2] – Crypto-Friendly Regulatory Policies by Country



## 2. SOLVION Ecosystem

### 2.1 SOLVION's Solution

SOLVION aims to build a fast and low-cost payment platform by combining its existing technological capabilities in the payment solution market with blockchain technology, creating a virtuous cycle among market participants.



[Figure 2] SOLVION Model

#### 1) Payment Process – Hybrid On/Off-Chain via Wallet Integration with Support for Traditional Payment Methods

##### ☐ Application of Hybrid Method

To maintain blockchain-level security while ensuring fast transactions speed, SOLVION processes payments using a hybrid on-chain and off-chain approach. Customers pay using a combination of fiat currency and SLVN tokens. In offline transactions, payments are processed quickly off-chain and then recorded on the blockchain for transparency and trust.

##### ☐ Support for QR Code and NFC Payments

Consumers can conveniently make payments by scanning QR codes or using NFC with mobile wallet apps or hardware wallets. This enables a fast and user-friendly experience similar to traditional card payments.

#### 2) Fee Structure – Low Fees and Incentives for Using SLVN

#### ☐ Low Fees

Compared to traditional credit card fees (approximately 3-4%), SOLVION offers significantly lower transaction fees (around 1%), encouraging global merchants to adopt the system via POS terminal support.

#### ☐ Discounts and Rewards for Using SLVN

Users receive higher discounts when paying with SLVN tokens compared to fiat-only payments. Additionally, they earn cashback rewards based on the amount of SLVN used. Merchants also receive SLVN-based rewards on a percentage of the received payment.

### **3) Exchange and Liquidity - Real-Time Crypto Conversion**

#### ☐ Real-Time Crypto Conversion System

Even users without SLVN tokens can select other cryptocurrencies from their wallets and have them automatically converted into SLVN at the time of payment. This protects both customers and merchants from market volatility.

### **4) Security and Scalability - Enhanced Wallet Security and Private Blockchain**

#### ☐ Compliance and Security (KYC/AML)

To comply with regulations across various countries, the platform includes identity verification (KYC) and anti-money laundering (AML) systems. AI-powered monitoring and verification improves security and protects user privacy.

#### ☐ Smart Contract-Based Safeguards

Smart contracts guarantee transactional security and transparency, minimizing fraud or disputes. Payments or refunds are automatically triggered upon meeting specific conditions, enhancing user protection.

### **5) Additional Features - Loyalty Program**

#### ☐ Loyalty Program (Rewards)

Users earn loyalty points when using the app for payments, which can later be swapped into SLVN, discounts, or cashback. The loyalty program can also be integrated across multiple merchants, expanding the ecosystem.

## 2.2 SOLVION Ecosystem

The SOLVION ecosystem is a cryptocurrency project that integrates blockchain technology with existing payment systems to enhance efficiency and create mutual benefits for all participants.

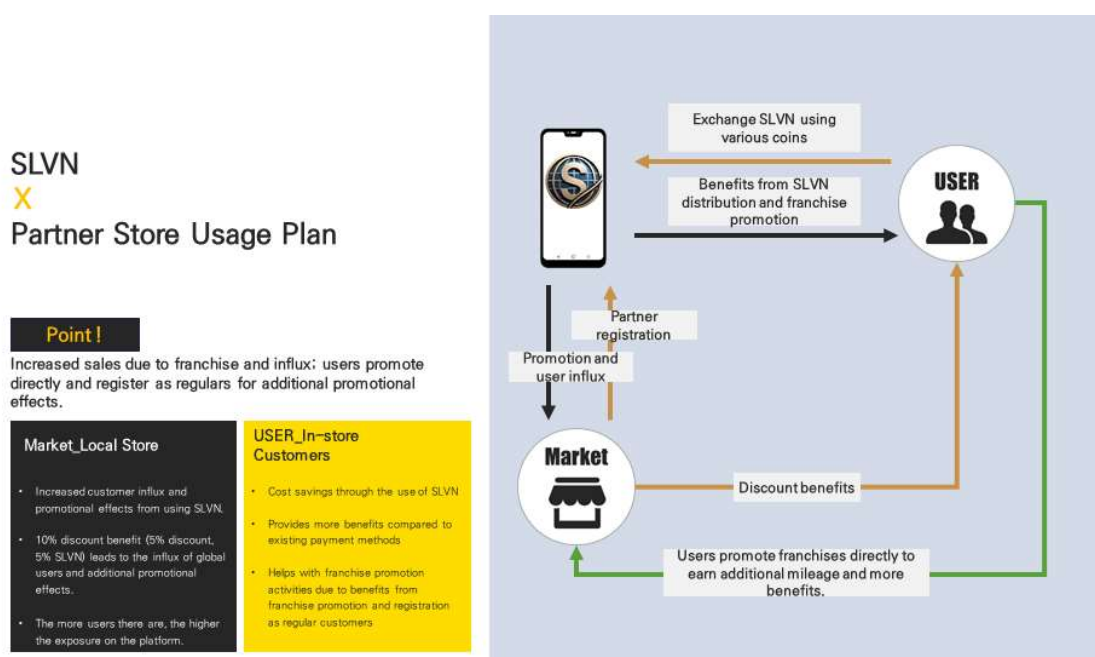
The global payment market suffers from inefficiencies and unnecessary costs due to a lack of proper technological application. SOLVION addresses these issues by enabling all participants within the platform to benefit from transparency, low cost, and operational efficiency.

### 1) SLVN Process

#### □ Online/Offline Payment Platform

SOLVION offers a blockchain-integrated payment service designed for easy use by both users and merchants. By eliminating unnecessary intermediaries, the platform redistributes value back to the participants.

Customers pay using a combination of fiat currency and SLVN tokens. In offline stores, the transaction is processed and recorded within the SLVN wallet (off-chain), and the SLVN token can be replaced with other tokens owned by the user.

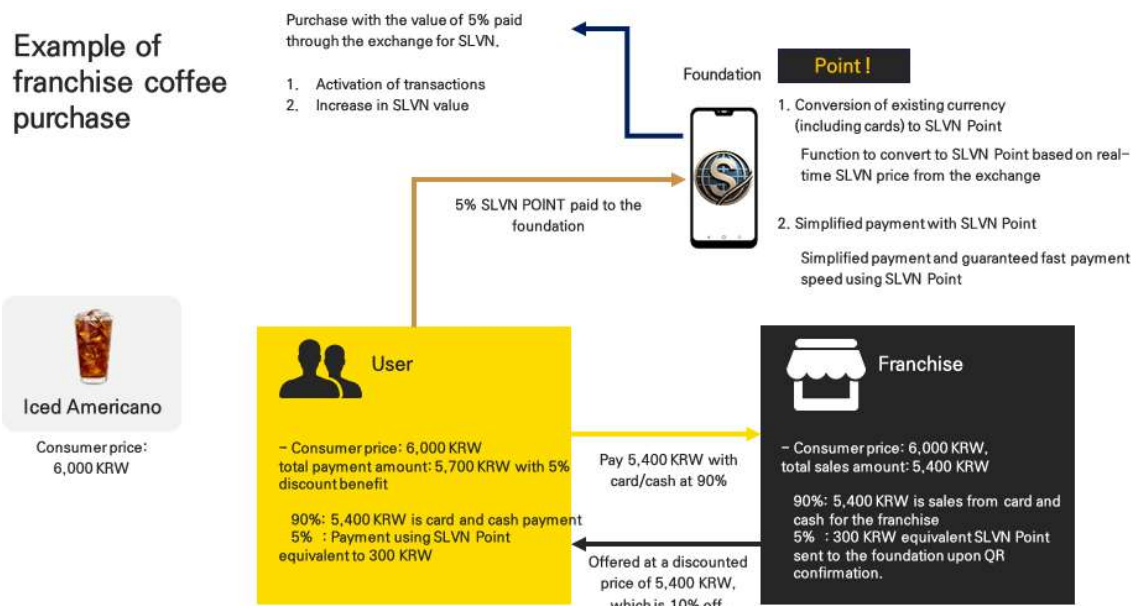


[Figure 3] SOLVION Model

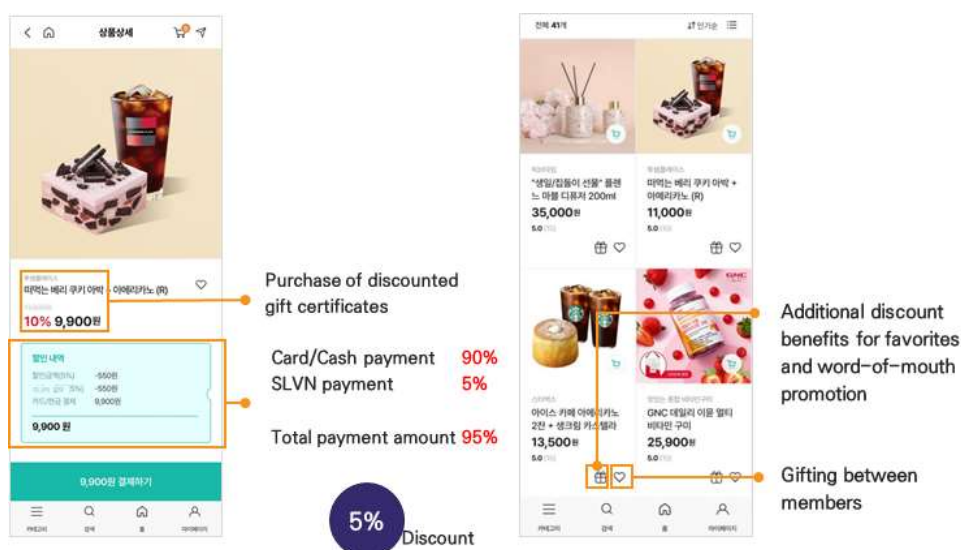
## □ Benefits for Each Stakeholder

Through the SLVN solution, buyers and sellers enjoy various benefits:

- Users: Lower transaction fees compared to traditional systems, the ability to easily swap owned tokens into SLVN, and reward benefits for payments made.
- Merchants: Continue using familiar payment systems and devices (like POS terminals) while gaining access to the global SLVN user base. More users lead to greater exposure and increased rewards.



[Figure 4] Benefits of Using SOLVION Solution



[Figure 5] Example Use Cases of SOLVION Solution

## 2.3 Benefits for SLVN Ecosystem Participants

The SLVN ecosystem is built on various revenue models designed to sustain operations, drive growth, and deliver value to users. These revenue streams are essential for the long-term success of the platform.

### 1) Benefits for SLVN Participants

#### ☐ Loyalty Program

Users and merchants can participate in a loyalty program designed to reward ongoing engagement within the SLVN ecosystem. Activities like staking, transactions, and referrals earn loyalty points, which can be used for fee discounts, premium features, or SLVN token rewards. This promotes long-term engagement and strengthens platform sustainability.

### 2) SLVN Burn Policy

#### ☐ SLVN Burn via Solution Usage

All SLVN tokens used within the SOLVION solution are permanently burned, reducing total circulation and increasing token value.

#### ☐ Scheduled Buyback Program

A portion of revenue generated through project operations will be used to repurchase SLVN tokens from the market for burning. The results of each semi-annual burn will be disclosed transparently.



### 3. BLOCKCHAIN

MBTCs Token will operate on Binance's mainnet Smart Chain (BSC) until the MBTCs Mainnet is developed. MBTCs Token and the platform plan to partner with Binance to expand the platform environment through the Smart Chain mainnet for the following reasons.

#### 1) About Binance

The daily trading volume of the Binance exchange is more than \$18 billion, with the largest number of users in the world. Binance offers an IEO service that allows users to subscribe to virtual currencies that are guaranteed to be listed, enabling them to generate high returns, as well as the most stable and fastest mobile app among virtual currency exchanges. It also provides users with the most innovative services first, including DeFi services, staking, and leveraged tokens [ETF]. As of 2022, Binance is considered a pioneering platform with all the functional elements of virtual currencies, in addition to the basic services that an exchange should have..

#### ☐ Binance Launchpad

- \* Binance launches a new token, Fetch.AI (FET), through its own blockchain crowdfunding platform, Binance Launchpad.
- \* Fetch.AI aims to build an autonomous blockchain ecosystem based on AI, the so-called Token Economy, adopted a DAG algorithm different from existing blockchains to provide fast and reliable machine learning, and aims to develop Internet of Things (IoT) solutions.

#### ☐ Binance DApp

- \* Representative decentralized distributed applications based on Binance Smart Chain are Pancake Swap, Venus Protocol, Autofarm, BurgerSwap, Spartan Protocol, Cream ( Cream)
- \* Binance Wallet is another option for BSC's specific apps, available as browser extensions for Chrome, Firefox, and Brave, with an easy-to-view and convenient UI



## 2) Advantages of Binance Mainnet Smart Chain

### ① Excellent performance

☐ Completeness that supplemented weaknesses

\* A new blockchain with all features for developing high-performance decentralized applications

\* Built for cross-chain compatibility with Binance Chain for users to benefit from both blockchains

☐ Scalability

\* A high-performance decentralized blockchain that supports Ethereum-based tools and DApps in conjunction with BNB staking and Ethereum Virtual Machine (EVM), with its DApps operating on Binance Smart Chain.

\* Gas fee, which is a problem of Ethereum, is about 92% cheaper than Ethereum, and its data processing speed is about four times faster

### ② Low cost

☐ Only a few validated nodes are designed to create blocks, and fees are approximately 92% lower.

☐ If Ethereum changes \$1 in fee, Binance Smart chain only charges \$0.02.

☐ Unlike other protocols, BNB does not generate block award for newly created BNB because inflation does not exist.

### ③ Rapid development

☐ Cross Chain Compatible

\* A dual-chain structure allows users to freely transfer assets between each blockchain as an independent and complementary system to the existing Binance chain, which allows fast trading capabilities on the Binance chain and builds powerful decentralized apps.

\* BEP-2 and BEP-8 tokens on Binance Chain are swappable for BEP-20 tokens, a new standard introduced on Binance Smart Chain, and BEP-20 tokens use the same functionality as Ethereum.

\* Easily move from BEP-2 to BEP-20 and vice versa using the Binance Chain wallet



☐ Flexibility

- \* Applications like Pancake Swap allow users to exchange assets without going through an authentication process (similar to Uniswap), participate in staking, and vote on various proposals.
- \* Bridge projects to increase interoperability between different blockchains, allowing anyone to exchange specific coins used on Binance Chain and Binance Smart Chain into Wrapped or Peg-in Tokens.
- \* Digital assets such as BTC, ETH, USDT, LTC, XRP, LINK, ATOM, and DOT are used in the Binance Chain ecosystem.
- \* Wallets that can interact with applications on the Binance Smart Chain are Binance Chain Wallet, Metamask, Trust Wallet, Math Wallet, Ledger, Token Pocket, Bitkeep, Onto, and Arpane.

④ **Excellent user experience**

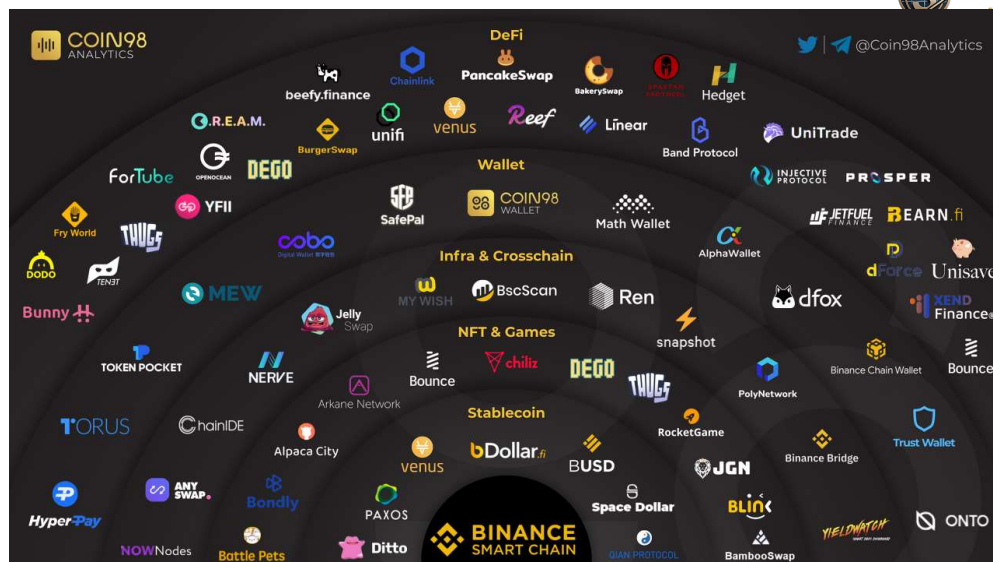
☐ Transaction usability

- \* For fees, a gas system similar to Ethereum is used and is calculated to reflect the computational resources required to execute transactions and operate smart contracts.
- \* The Binance Smart Chain network uses a DPoS mechanism, where users stake BNB to become a validator and receive the associated transaction fee if they successfully validate a block.

⑤ **Powerful blockchain platform**

☐ Even before the launch of the Binance Smart Chain mainnet, many major crypto projects had already worked with the Binance Chain community to build BSC into a powerful blockchain platform.

☐ Partners are comprised of a variety of industries, including blockchain infrastructure and tool providers, distributed financial platforms, and cross-chain liquidity providers.



[Figure 6] - Binance Smart Chain Project \*Source: COIN98

#### ⑥ Transparency, security, and decentralization

- ☐ Anyone can request, view, and check transactions on the blockchain
- ☐ Since Binance Smart Chain is a decentralized network, no single malicious node can compromise data integrity.

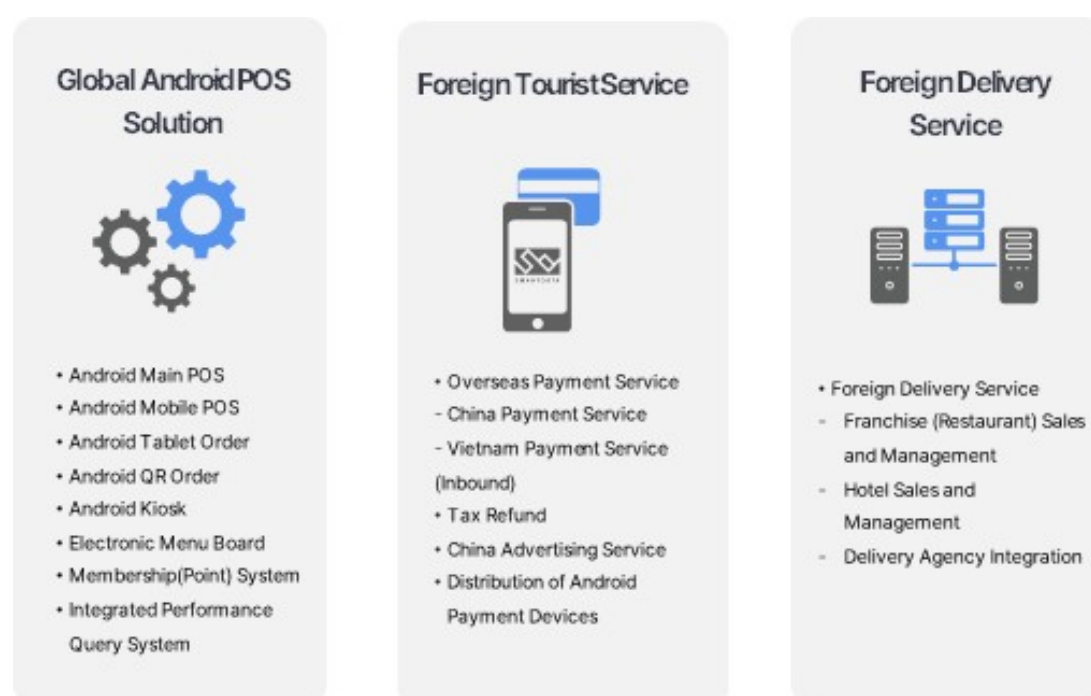


## 4. Business Model

SOLVION is an end-to-end payment platform that connects users and merchants. It implements services using blockchain-based smart contracts and a token circulation system to deliver fast and low-cost payments.

However, even with technical implementations that enable practical payment solutions, there are real-world barriers. Payment environments—such as terminals—differ by region, online and offline usage, and device. Moreover, merchants traditionally show low technological adaptability, making education, support, and resources essential for widespread adoption.

SOLVION addresses these issues with its existing technologies. SOLVION PAY offers a structured approach to solving each pain point, ensuring smooth blockchain-based payment experiences for both users and merchants.



[Figure 7] SOLVION Business Structure

## 4.1 Android POS Solution

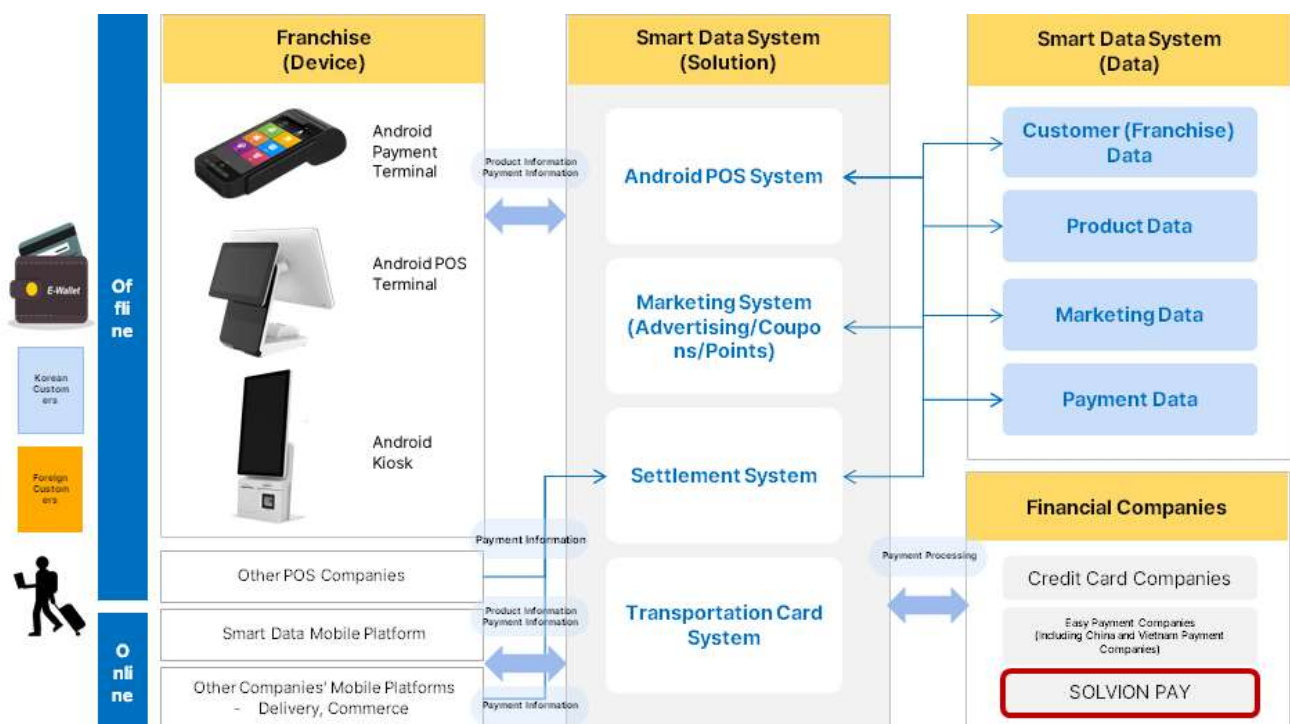
### 1) Business Analysis

#### ① Business Overview

The Android POS solution, Smart SOLVION PAY, is an all-in-one Android-based solution integrating table order, kiosk, tablet (QR) order, and portable Android payment terminals.

#### ② Solution Analysis

- Description: Android POS Solution - Smart SOLVION PAY
- Purpose: Acts as a payment system connecting users and merchants, enabling customers to use their preferred currency regardless of region or country. Merchants can expand their customer base and run promotions using diverse payment features, while optimizing store operations through features like table ordering. The ultimate goal is to deliver an effective and efficient payment experience.

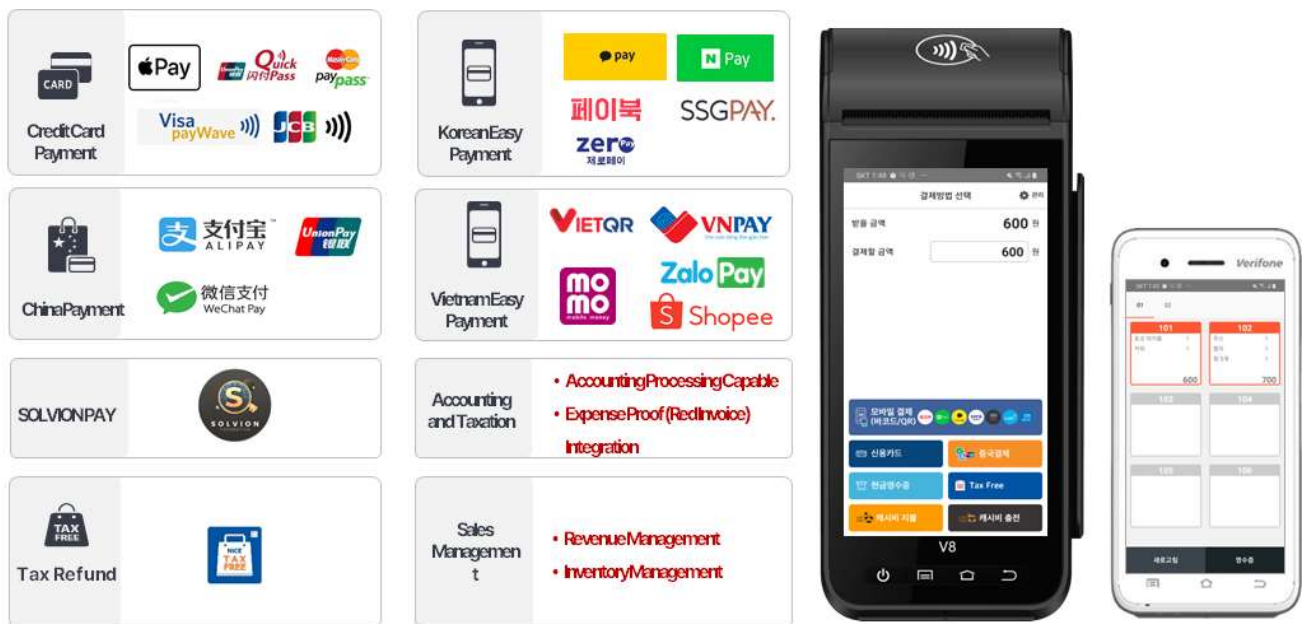


[Figure 8] Android POS Solution (Smart SOLVION PAY)

#### ③ Key Features

- Multi-language support targeting global users and merchants. Android's flexibility allows for customizations per merchant needs. Features include:

- Strong multilingual support: Korean, Chinese, Japanese, English, etc. (Vietnam, Japan, and Korea versions launching April 2025). Back office and admin panels also support multiple languages.
- Expandable Android device integration: Connects with Android payment terminals for staff, smartphones, kiosks, table ordering, and foreigner-focused delivery platforms.
- Specialized services for specific industries: Wine wholesalers (Japan, UK in development), nail/hair salons, small fashion brands.



[Figure 9] – Supported Payment Methods and Features of Android POS Solution

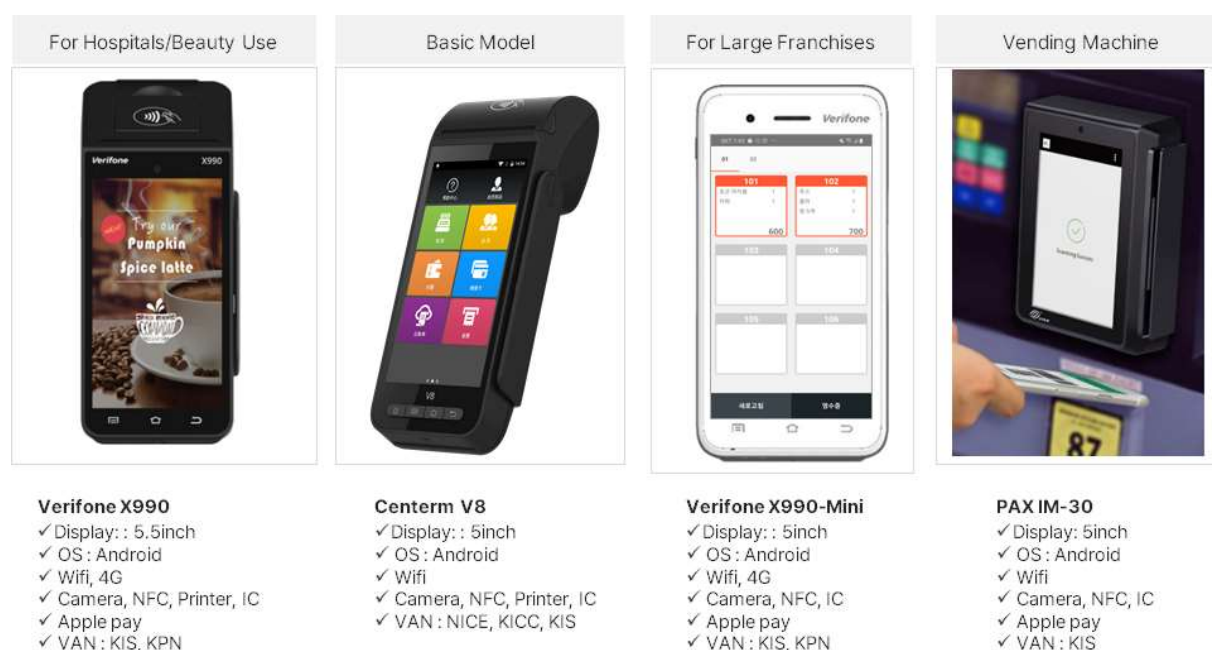
#### ④ Key Device Overview

- Portable Android payment device solutions that support domestic/foreign credit cards, mobile payments, contactless payments, and tax refunds스

## □ Major Devices:

Device	Description
X990	Android payment device supporting Apple Pay <ul style="list-style-type: none"> <li>- All-in-one payment solution</li> <li>- VAOS (Verifone Secure OS based on Android)</li> <li>- Cortex-A7 Quadcore CPU 1.1GHz</li> <li>- 2GB RAM, 16GB ROM Flash</li> <li>- 5.5" 1280×720 HD capacitive touchscreen</li> <li>- Wi-Fi 5GHz + 2.4GHz, 4G LTE (KT), Bluetooth 4.2 — 280 units</li> </ul>
V8	Budget Android payment device with QR scanning and receipt printing <ul style="list-style-type: none"> <li>- Android 8.1 secure OS</li> <li>- Quad Core CPU</li> <li>- 5-inch high-resolution multi-touch screen</li> <li>- Supports 4G, Wi-Fi, Bluetooth</li> <li>- Supports IC card, MSR, NFC, etc.</li> </ul>
K990mini	High-spec device by global engineers <ul style="list-style-type: none"> <li>- All-in-One, One-Stop-Shop Payment Terminal</li> <li>- Android 10.X OS</li> <li>- 64-bit Cortex-A53 Quadcore CPU 1.4GHz</li> <li>- 8GB ROM + 1GB LPDDR RAM</li> <li>- 5-inch mobile 1280×720 capacitive color touchscreen</li> <li>- LTE 4G, Wi-Fi, Bluetooth 4.2</li> </ul>
PAX IM-30	Beverage/snack vending machine <ul style="list-style-type: none"> <li>- Multi-drink and multi-snack (SSB)</li> <li>- Suitable for premium beverage vending (high-speed lift)</li> <li>- Spiral configuration for snacks</li> <li>- Optimized bottom-space use vs MMV models</li> <li>- Width: 2695mm, 2845mm</li> </ul>

[Table 3] – Key Android POS Terminals



[Figure 10] – Android POS Terminal Examples



## 4.2 Services for Foreign Tourists (South Korea)

### 1) Business Analysis

#### ① Project Overview

Aimed at foreign tourists visiting Korea, this service includes overseas payments, delivery services, Chinese ad services, tax refunds, and mobile commerce.

#### ② Solution Analysis

□ Description: Payment Services for Foreign Visitors to Korea

□ Purpose: SmartData supports the development and deployment of overseas mobile payment services and other tourist services for Korean merchants, enabling convenient tourism experiences for international visitors.



[Figure 11] – Overview of Services for Foreign Tourists in Korea

### ③ Key Features

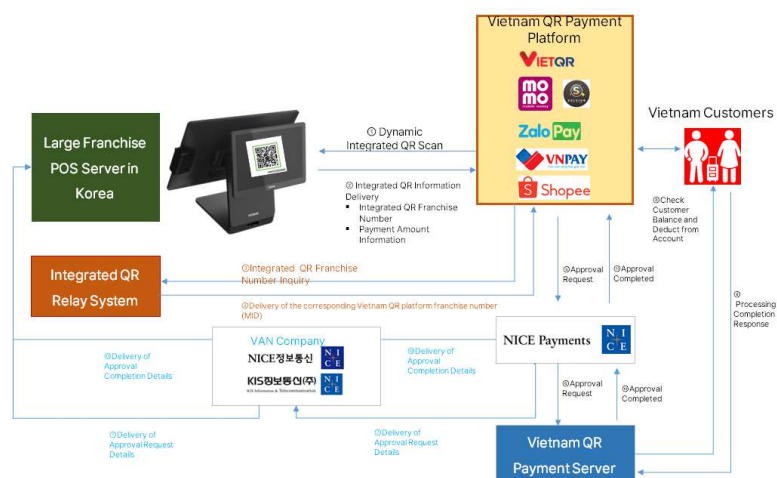
□ For foreign tourists in Korea, the service offers overseas payments, foreigner delivery, Chinese ads, tax refunds, and mobile commerce. This helps merchants increase sales by expanding their customer base. Detailed features include:

– Service Development Support: SmartData helps develop and expand infrastructure for mobile payment and related services for foreign visitors in Korea.



[Figure 12] – Service Development Support



– Vietnam Payment Service: Allows Vietnamese QR payment users to use the top 5 QR payment services in Korea. Through partnerships with three NICE VAN companies, service expansion into major merchants is underway.



[Figure 13] – Vietnam Payment Service




– QR Payment Service in Korea: QR payments are mostly served via CPM at around 2.6 million merchants nationwide, including large franchises.

Classification	CPM Method (Customer Presented Mode)	MPM Method (Merchant Presented Mode)
QR Generation Entity	Consumer Generates QR Code	Franchise Generates QR Code
Payment Method	Customer presents payment QR scanned by the franchise's barcode scanner	Customer scans the franchise's QR code to make a payment
Payment Means	Korean Easy Payment (KakaoPay, Naver Pay, L.pay, SSG Pay, App Card, Paybook, etc.) China Easy Payment (Alipay, WeChat Pay) Taiwan Easy Payment (Line Pay, Taiwan Pay) Alipay Plus (G Cash, etc.)	Zero Pay Vietnam Easy Payment (VietQR, Zalo, MoMo, etc.) Indonesia Easy Payment (QRIS) Thailand Easy Payment (Thai QR)
Large Franchise Payment Method	100% 	0% 

[Figure 14] – QR Payment Methods in Korea

#### ④ Payment Infrastructure

□ Focused on duty-free shops, department stores, convenience stores, supermarkets, cosmetics, and F&B serviced by three NICE VAN companies in Korea, ensuring QR payment infrastructure is available.

Duty-Free Shops				Korea's Top 3 Duty-Free Shops
Department Stores				Korea's Top 3 Department Stores
Convenience Stores				 Korea's Top 4 Convenience Stores
Supermarkets				Korea's Top 3 Supermarkets
Beauty/Living				
F&B				
Airport Duty-Free Shops				

[Figure 15] – Payment Infrastructure

## 4.3 Delivery Services for Foreigners

### 1) Business Analysis

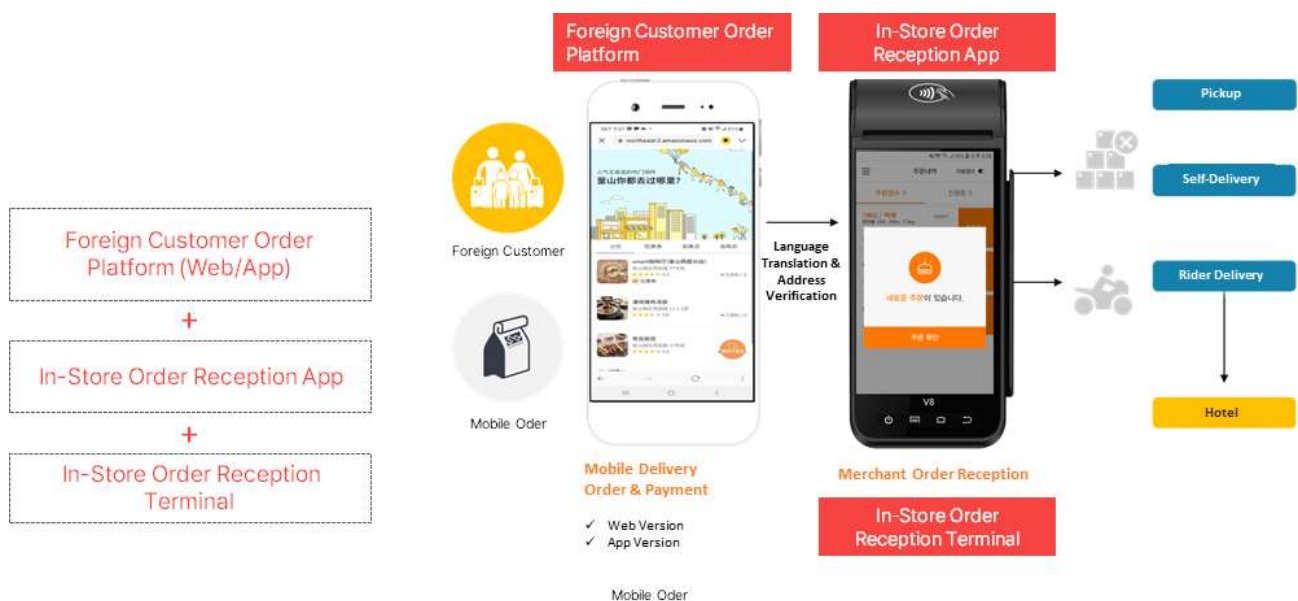
#### ① Project Overview

OrderPlace provides a food delivery platform for tourists in Korea, letting them enjoy the local delivery culture.

#### ② Solution Analysis

□ Description: Delivery services for foreign tourists

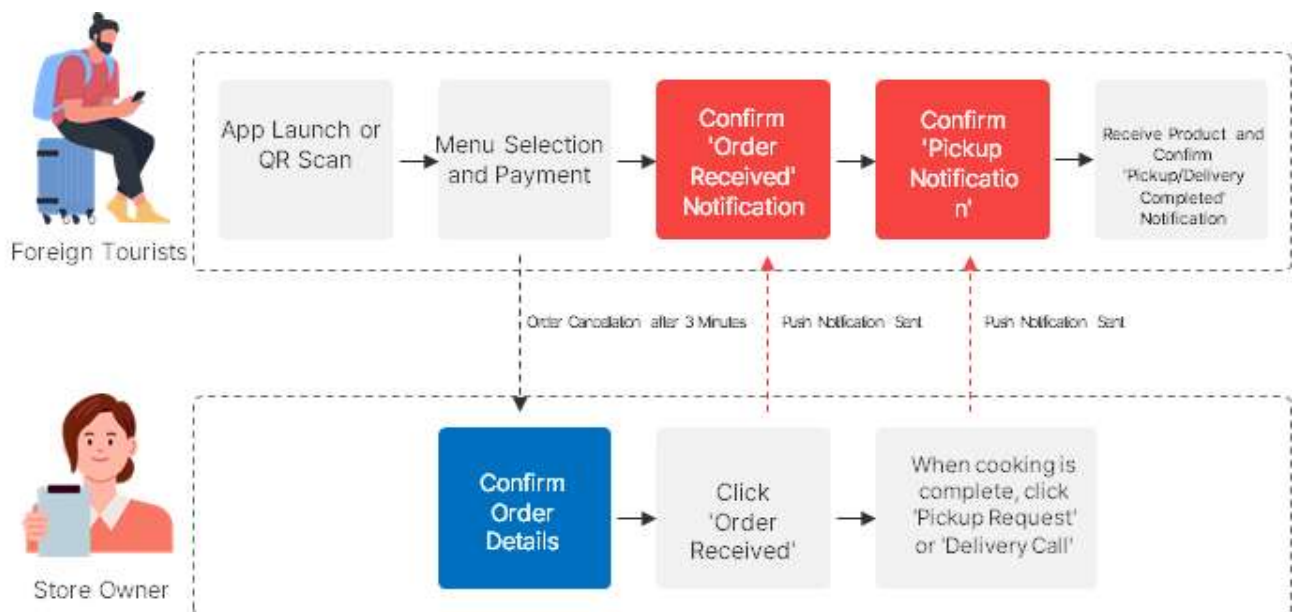
□ Purpose: Offers multilingual sign-up, maps, payment, and store infrastructure to enable easy food ordering for tourists.



[Figure 16] Delivery Service Overview

### ③ Key Features

- Foreign-friendly registration and simple ID verification
- Multilingual map for delivery locations
- Web (QR) and App access
- Multi-language order interface: Korean, Chinese, English, Japanese, etc.
- Payment options: Crypto, international cards (Visa, MasterCard, JCB), Alipay, WeChat Pay, UnionPay
- Dual-language receipts for tourists and delivery riders
- Delivery terminal for order management and rider calls



[Figure 17] Delivery Service Flow



## 5. Token Issuance and Distribution

SOLVION will issue a total of 3 billion tokens. 1% (30 million) will be sold in the token sale, and the remaining 99% (2.97 billion) will be held by the company.

Of the company's holdings: 50% is for the team, 25% for marketing, and 24% for R&D.





## 6. Legal Considerations

1. This whitepaper aims to inform potential buyers about the SOLVION project to help them independently decide whether to purchase SOLVION tokens. It does not constitute an offer or solicitation to sell securities, shares, or company assets.
2. This document provides information about SOLVION's business goals and blockchain-based solution approaches. All information may be revised or supplemented at any time.
3. The information may not be comprehensive and does not establish any contractual obligations.
4. To the fullest extent permitted by applicable laws, SOLVION assumes no responsibility for any financial or non-financial losses, including but not limited to lost income, profit, reputation, or data.
5. SOLVION tokens and platform are not securities and cannot be considered as such. This document is not an investment solicitation.
6. Buyers must evaluate all legal risks and uncertainties related to SOLVION tokens and the whitepaper. No guarantees are made regarding the future performance or results.
7. This document must not be reproduced or distributed in jurisdictions where such content is considered illegal. Individuals investing despite local restrictions do so at their own risk.
8. SOLVION is not responsible for delays, errors, or changes during service development or provision.

9. The whitepaper includes forward-looking plans that may not be guaranteed or reflect the final state of the platform.
10. This document is not legal, financial, tax, or accounting advice. Buyers must seek their own professional counsel.
11. Delays or losses caused by system attacks, natural disasters, or loss of private keys are not SOLVION's responsibility.
12. Token value may decline due to market changes, risks, or project competition. Plans may be adjusted accordingly.
13. All operational decisions, including ecosystem changes or shutdowns, are made solely at the foundation's discretion.