Tylix: **The Pioneering Payment System of Games**

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https://tylix.io/#

Summary

This litepaper discusses the Tylix token on the Ethereum network, which aims to revolutionize the gaming industry by breaking away from outdated and traditional payment methods, serving as the pioneer for many future projects. It also offers a much more secure structure to its users thanks to its Proof of History (PoH) based blockchain architecture. This litepaper will cover the general description of the project, the problems it addresses, the problems these problems create worldwide and how we can solve them.

1- Introduction

Payment mechanisms have always played a crucial role in any system. In particular, the effort that game developers put into integrating a payment system within the game, and the various and often frustrating verification mechanisms that players are required to overcome, pose major problems for developers to get paid [page]. Tylix redesigns this problem to be fast, secure, and simple for both developers and players, and brings a breath of fresh air to the gaming industry.

2- The Limited Structure of Unlimited Minds

Payment mechanisms, which are supposed to support game developers in these universes built with boundless imagination and passion, have become an outdated technology that ongoing advancements have failed to replace. These mechanisms are restrictive, plagued by technical issues, and deter users by forcing them through constant verification processes to address security concerns.

Tylix aims to break down this problematic structure and stand by game developers, offering users a simpler and more secure payment system while providing developers with a mechanism that they can integrate quickly and simply, and the Tylix token is at the forefront of this. According to McKinsey's projections, the payment systems market revenue will exceed $3,000,000,000,000,000 (Trillion) dollars by 2026. In this context, Tylix will eliminate this limited structure that stands in the way of your limitless mind and passion.
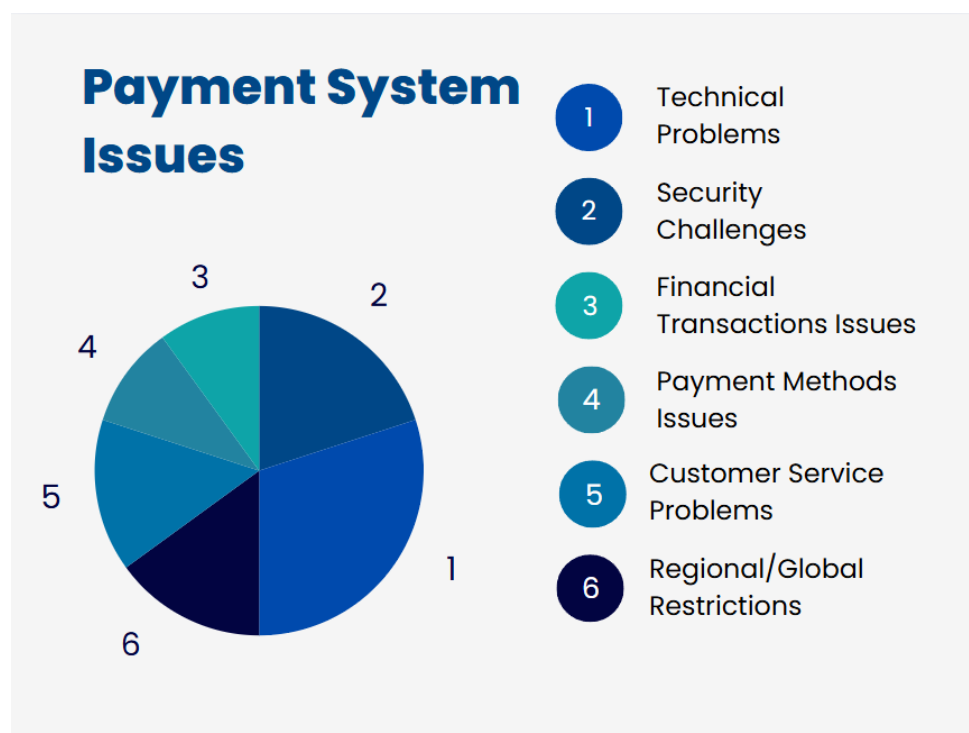

Figure1: Payment System Problems Graph

3- The Real Ideal Solution: Tylix

Tylix is one of the many projects aiming to integrate next-generation payment systems into the gaming industry and develop innovative solutions in this field. As a pioneer in this space, Tylix has identified several payment system issues, as shown in Figure 1, and developed solutions to address them.

1. Technical Problems:

TECHNICAL PROBLEMS 30%

- Slow Processing Times
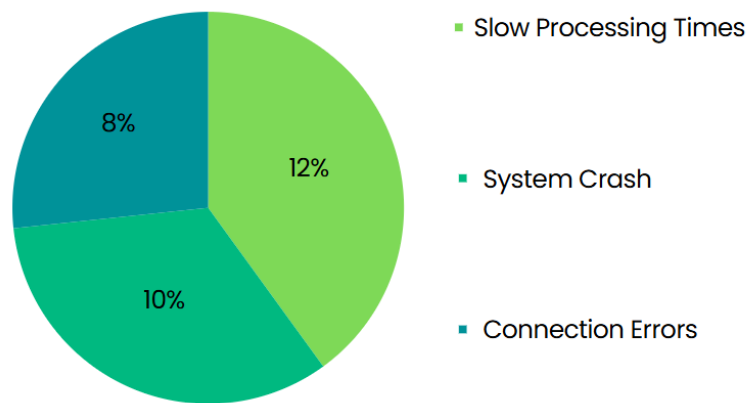- System Crash
- Connection Errors

Figure2: Technical Problems

The most significant issue in most game payment systems is technical challenges. Slow processing times, system crashes, connection errors, and many other issues can disrupt the payment process and even cause transactions to fail. For this, Tylix will develop a new system using the Proxy-Sharing mechanism, thus preventing system crashes upon heavy requests and preventing slow processing times by using mechanisms such as one-time wallet verification systems.

2. Security Challanges:

SECURITY CHALLENGES 20%

- Risk of Fraud
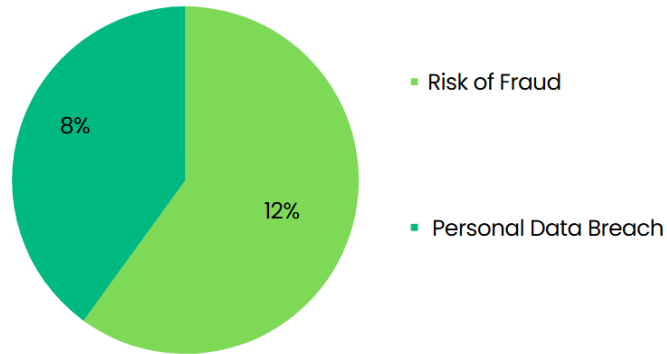
- Personal Data Breach

Figüre3: Güvenlik Sorunları

One of the most common and unavoidable problems with most systems is security attacks. Tylix has eliminated many security vulnerabilities by utilizing OpenZeppelin modules.. We are also moving forward stronger than ever thanks to the PoH (Proof of History) mechanism added to our contract. We are compliant with ERC-20 standards, and the Blockchain is completely transparent, making it a fraud-proof system structure.

3. Financial Transactions Issues:

FINANCIAL TRANSACTIONS ISSUES 10%

- Fluctuations in Foreign Exchange Rates
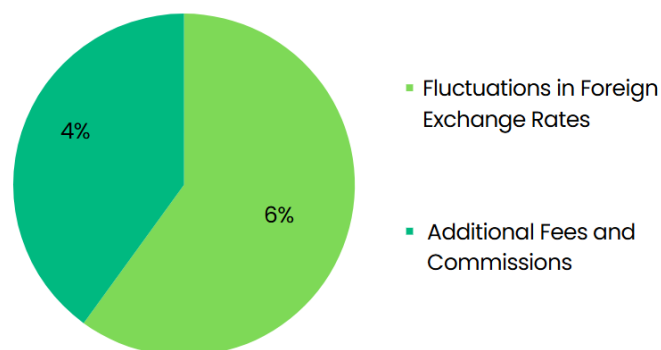
- Additional Fees and Commissions

Figure4: Financial Transactions Issues

While Tylix aims to significantly reduce transaction fees by integrating with Layer 2 networks such as Polygon, Arbitrum, it aims to protect players from sudden exchange rate fluctuations by keeping instant exchange rate data constant during purchases and using the Hedging mechanism.

4. Payment Methods Issues:

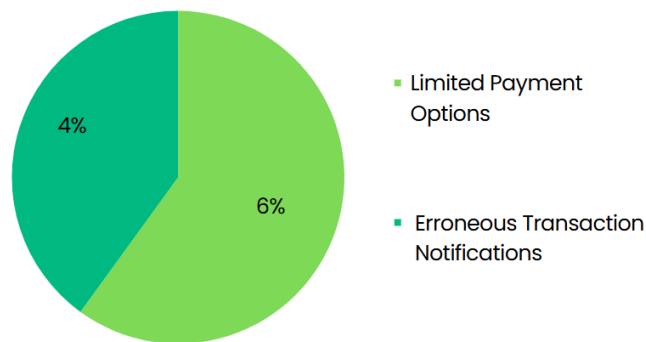## PAYMENT METHODS ISSUES
10%

Figure5: Payment Methods Issues

Most payment methods affect people in their own nation. Players from other regions who want to invest in the games they play find it difficult or impossible to do so due to payment systems that are not available in their country, or even if they do have these systems, the high commission difference. However, Tylix has set aside these limited payment options and built a global system where anyone with a wallet can easily purchase and those without a wallet can easily have a wallet account. This allows gamers from all walks of life to buy the products they want, while saving game developers the hassle of adding extra payment methods..

5. Customer Service Problems:

CUSTOMER SERVICE PROBLEMS 15%

- Inadequate Support Services
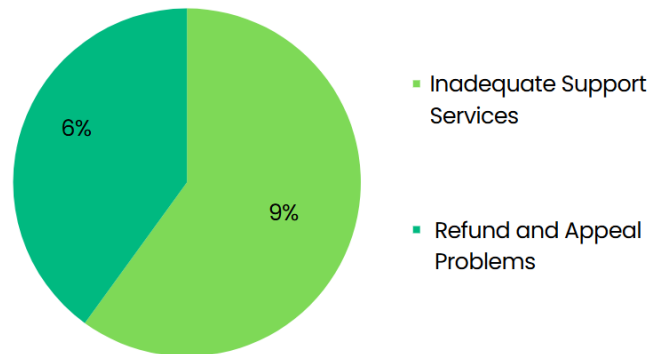- Refund and Appeal Problems

6%

9%

Figure6: Customer Service Problems

In most payment systems, users are forced to contact their bank or payment provider when they encounter an issue. This is often followed by phone calls, email correspondence or support tickets. This can take hours, days or even weeks. In addition, refund requests are manually reviewed in such traditional systems. As with any problem with refund requests, there are banks or payment providers that users need to contact. This becomes a hassle and no user wants to be subjected to this kind of situation.

Tylix; They will have live support groups on platforms such as Telegram, Discord, and AI chatbots where they can query basic issues. It also has a comprehensive help center called Frequently Asked Questions (FAQ). Thanks to the refund mechanism that will be used in our smart contracts, if the user cancels the transaction within a certain period of time, the system will automatically issue a refund. If the payment fails, the refund process will be initiated automatically.

6. Regional/Global Restrictions:

REGIONAL/GLOBAL RESTRICTIONS 15%

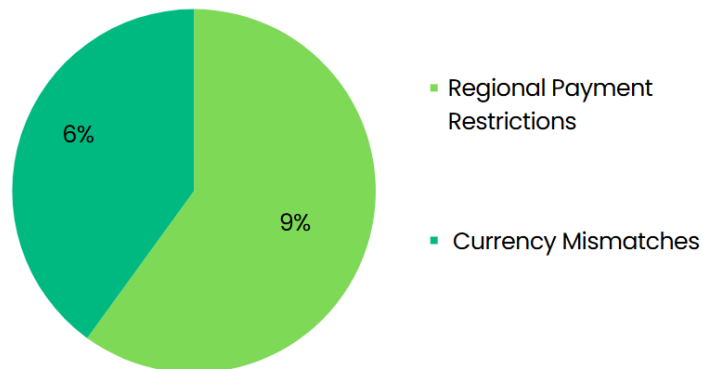- Regional Payment Restrictions
- Currency Mismatches

Figure7: Regional/Global Restrictions

By facilitating in-game payments through a dedicated token, Tylix offers a solution free from local banking restrictions. Additionally, it aims to shield users from currency fluctuations by utilizing stablecoins. It will also provide multiple BlockChain integration by integrating with networks such as Ethereum, Tron, BNB Chain and Solana.

4- System And Future

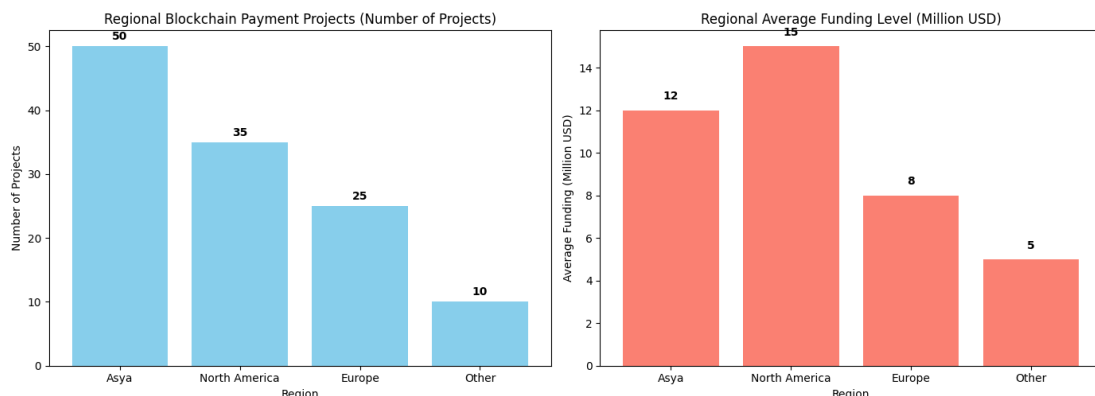Blockchain-Based Game Payment Projects and Support Levels Globally

Figure8: Charts visualizing the regional distribution and funding levels of blockchain-based gaming payment projects
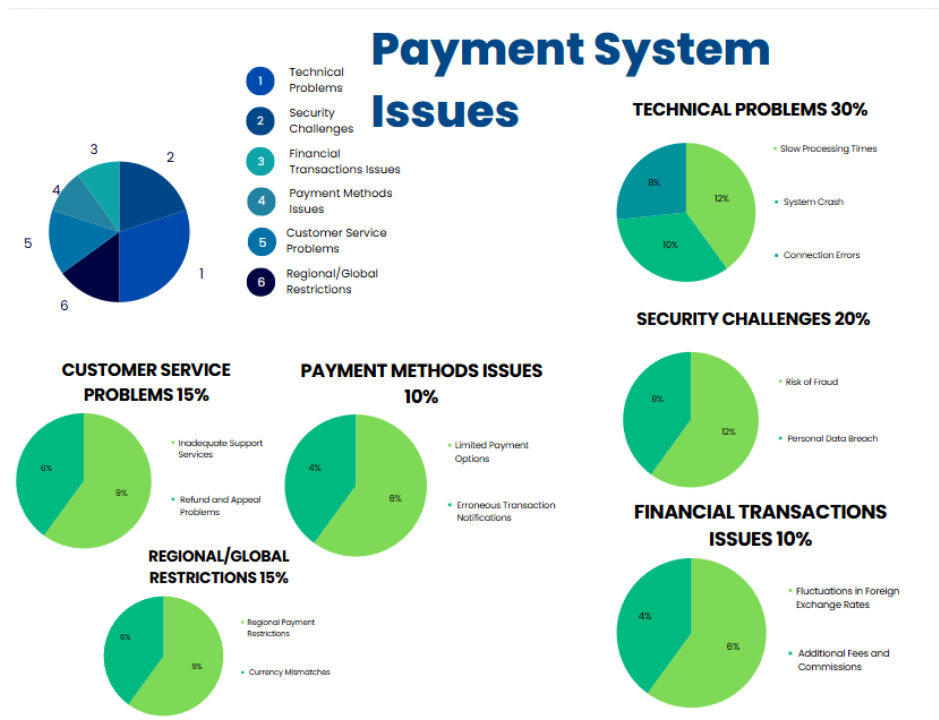
Figure9: Payment Systems Issues Batch Charts

The next generation of Blockchain-powered in-game payment systems are being supported and funded by various countries and companies. At Tylix, we aim to make this system the most widespread system globally and we are extremely sensitive to this issue while achieving this goal. We stand by game developers and gamers and support them with many projects in the future. We are analyzing the problems in Figure 9 to a great extent and developing solutions.

5- The Token of Now, the Pioneer of Tomorrow

Tylix is an ERC-20 standard token operating on the Ethereum mainnet, designed for in-game payments. The main reasons for choosing the Ethereum network include its decentralization, security and the fact that it is part of a large ecosystem. This token will initially be used for in-game payments, but will transition to NFTs and decentralized governance in the future. It also adopts a blockchain architecture based on Proof of History (PoH), which is a proof to verify the sequence and passage of time between

events. With a 1,000,000 (1 Million) total supply limit, Tylix aims to shape the future by participating in many projects in the future.

Tylix is a token ecosystem characterized by its ease of use and simple systems. Users will be able to use Tylix to purchase virtual items and features in-game. They will also be able to see their in-game collections at any time and convert them into NFTs. Thus, players will not lose their in-game collections even if they lose their game accounts. In the future, Tylix aims to become an indispensable part of the gaming industry by creating a large ecosystem with new systems and mechanisms.

6- Strong Investors and Visionary Leaders

The Tylix team comprises a robust network of investors, a dedicated community, and a determined, visionary team. Thanks to our education on smart contract security at various universities, our expertise in networks such as TON, ERC-20, TRC-20 and Solana, we continue to produce strong and stable projects with great passion as a result of our 3 years of research.

As Tylix, we always prioritize the comfort, security and the best experience for our users and developers. In every project we develop, we aim to make the most efficient use of the possibilities offered by blockchain technology by building user-friendly interfaces and powerful infrastructures. In addition, as Tylix, we are constantly interacting to grow and strengthen our community. We work closely with our developers to provide them with tools and resources tailored to their needs. This makes the Tylix ecosystem an attractive environment not only for users of the token, but also for developers who are developing new projects and want to establish themselves in the blockchain world.

We aim to earn the trust of our community in our token sales and other financial transactions by prioritizing transparency and security at every step. Our top priority is to build the Tylix token on a solid foundation,

guarantee the financial security of our users and make blockchain technology accessible to everyone.

Our vision is to position Tylix not only as a token, but also as a powerful ecosystem tool that can be used in games, apps and different digital platforms. This ecosystem will provide a secure, transparent and user-friendly environment, enabling blockchain technology to spread to the masses.

7-Contact

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Stay tuned!

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Github

https://github.com/Tylix-token/Tylix-Token

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