Pool Lotto Token

White paper

Poollotto Finance

Summary

Poollotto Token (PLT) is a new generation of lottery token-based smart contracts for non-centralized management of the global community-driven (social) lottery pools, automated and safe payments.

Using the Poollotto Token (PLT) in the lottery pools helps avoid centralized entities (House), increase the winnings to the players and get additional profits by price changes on the exchanges and further scale of the lotteries. The rewards are based on the staking time in the pool, the total size of the pool, and predicted winning based on the user's bets.

Concept / Idea

Unlike the Lottery today, Poollotto Token (PLT) platform will run on a blockchain-based "smart contract". The significant advantage on the part of the customer is switching to a blockchain is transparency and reliability.

This means that users do not need be a "casteown" (a neutral third party that trusts all participants to organize the game - that is, "the house"), but the rules of the game are already anchored in the "contract as smart" which assures the user that:

- Money is protected, and the "house" can not cheat the user, disappear with the money, or transfer only some of the pool money.
- Complete transparency about the competition rules - since the smart contract is open to all and allows you to see the rules.

Markets, Competitors, and Potential

The online lottery market was valued at approximately USD 7.5Billion in 2019 and is expected to surpass USD 12Billion by 2026, expanding at a CAGR of 8% during the forecast period.

The rise in demand for the online lottery market is attributed to the increase in online betting platforms. Online sports betting platforms have been in huge demand, especially with the creation of virtual leagues like fantasy team leagues where an individual creates his own team and competes with other players online to get the most points.

The initial investment and the reluctance of individuals towards betting and online lotteries have been a major restraint to this market. Individuals lose interest once they start losing lotteries and bets, and they eventually stop playing.

There is a huge potential for providers to tap into different technologies like blockchain, Augmented Reality (AR), and Virtual Reality (VR). Using a blockchain-based system would lead to decentralisation as it would use a network of nodes comprising the players themselves. The global online gambling market is witnessing increased use of cryptocurrencies in making bets.

Market Size and trend overview

Global Lottery Market

The global lottery market is valued at **$398** billion (more than the worldwide SaaS, video games and film industries combined) and it is forecast to reach **$625** billion in 2025. Its average growth rate is above 8% and is almost three times that of the world economy.

GLOBAL LOTTERY MARKET 2021-2025

Market growth will **ACCELERATE** at a **CAGR** of about

9%

Incremental growth ($B)

2020   2025

194.14

The market is **FRAGMENTED** with several players occupying the market

Growth Contributed by **APAC**

38%

Growth for **2021**

8.41%

Market impact:

POSITIVE

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The online gambling market was valued at $66.72 billion for 2020, and the Online Lottery market is **$10.07** billion **(15.1%),** respectively.

Based on product types, the online lottery market is segmented into:

• online draw-based games,
• online instant games,
• online sports lotteries.

Draw-based games dominated approximately **50%** of the total market share. The increasing shift in demand from the traditional modes of physical draw-based games to the virtual one is augmenting the growth of this segment in the global market.

In terms of platform types, the online lottery market is segmented into **desktop** and **mobile-based**.

Desktop platforms occupied more than half of the market share. Big screen, larger content view, and a quest for learning new technology are some of the primary factors attributing to the growth of this segment in the global market. The increased penetration of smartphones has given rise to many mobile application-based lotteries. The ease of convenience it offers to an end-user in gambling within the comfort of their own space is the major reason behind the segment's growth.

Geographic Landscape

The global online lottery market by geography is segmented into the Asia Pacific, North America, Europe, Latin America, and the Middle East, and Africa. Europe dominated more than half of the market share, growing at a CAGR of more than 9% during the forecast period. The increase in per capita disposable income that is fueling discretionary spending across Europe is driving the growth of this region in the global market. The Asia Pacific is fueled by the mass gaming market in Macau, online gambling activities in the largest casino market. Countries such as Japan, Hong Kong, and Australia will lead the market growth during the forecast period.

By geography, APAC is going to have a lucrative growth during the forecast period. About 38% of the market's overall growth is expected to originate from APAC. China is a crucial market for lotteries in APAC.
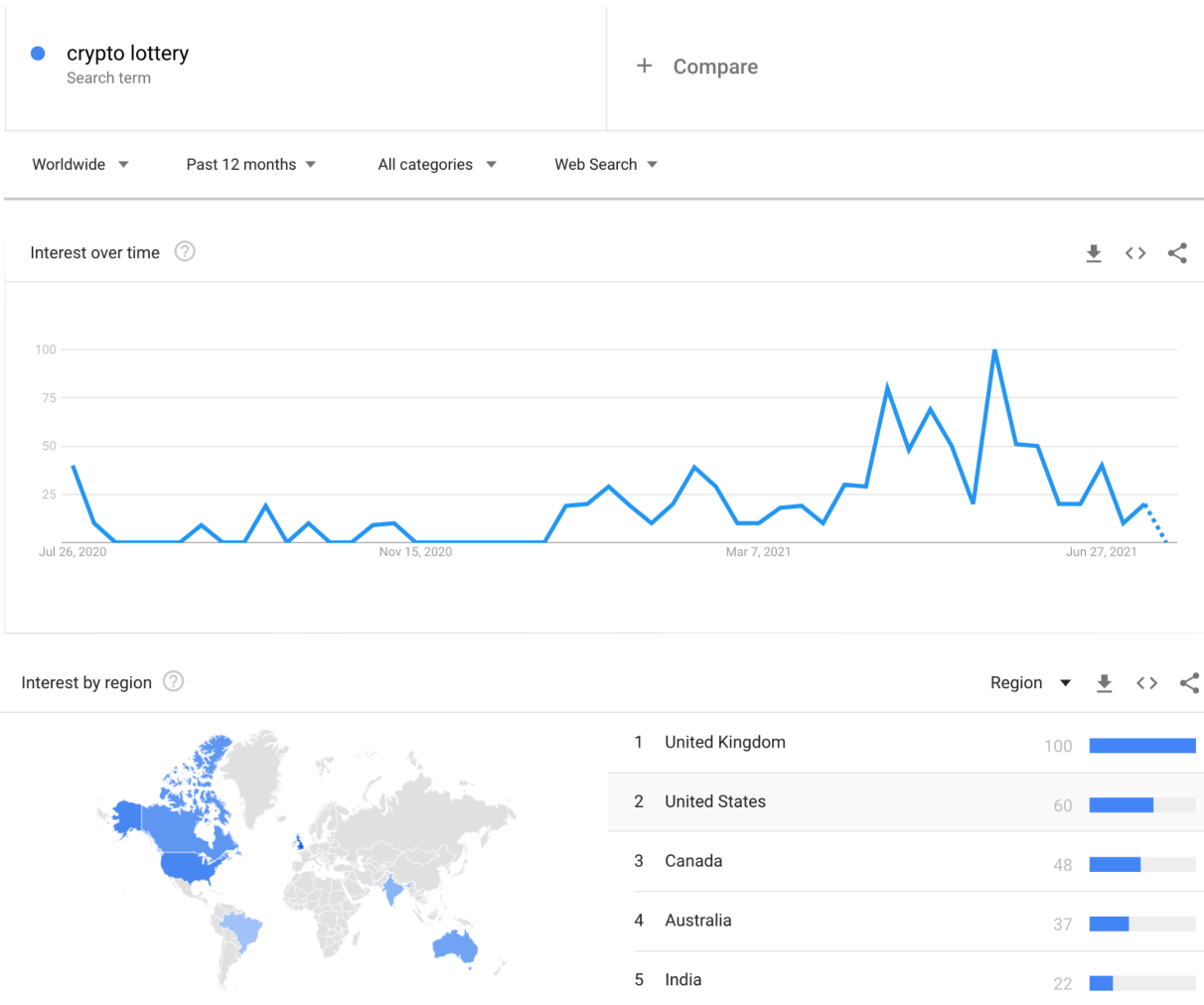
Online Blockchain Lotteries Market

The crypto gambling market has seen steady growth over the past few years, and CoinMarketCap Gambling Market shows that market cap of gambling tokens and currencies has a combined value of **$359** million. It is estimated to be worth more than **$565** million by 2022.

Market Cap
$359,086,197
▲ 7.8%

Trading Volume
$8,715,254
▲ 86.67%
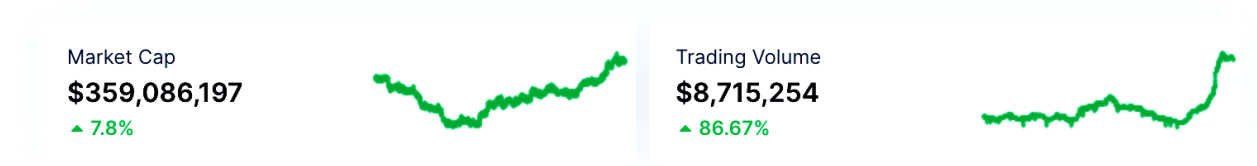
Some surveys show that the sums that are traded per day using gambling cryptocurrencies exceed $3 million, while the number of players who settle on blockchain casinos has gone over 30,000 on a weekly basis.

Google Trends shows increased popularity of Online Cryptocurrency Lotteries in 2021.

crypto lottery
Search term

+ Compare

Worldwide ▼   Past 12 months ▼   All categories ▼   Web Search ▼

Interest over time ⓘ

100
75
50
25

Jul 26, 2020   Nov 15, 2020   Mar 7, 2021   Jun 27, 2021

Interest by region ⓘ   Region ▼

1	United Kingdom	100	
2	United States	60	
3	Canada	48	
4	Australia	37	
5	India	22	

   If the Online Lottery market share (15%) will remain without significant changes, this sector will be valued at **$85** million for cryptocurrency lotteries in 2022 and significant growth in the following years.

Competitive Landscape

The global online lottery market is fragmented by various regional and global players. Some of the major online lottery vendors are Lotto Direct, Lotto Send, Play UK Internet, Legacy Eight, Lotto Agent, Ardua Ventures (OneLotto.com), Bmillions, Betpoint Group, Camelot Group, IGT, Jackpot.com, LotteryMaster, LottosOnline, Lottoland, Lotto247, Morpheus Games, MultiLotto, Playtech, Svenska Spel, Tatts Group, win2day, Y&M Hans Management Limited, 1xBet, and 24Lottos. The continual innovations and upgrades in the digital gambling domain are intensifying the competition in the global market. The concentration in developed countries such as the Western European countries is high, while the market is in its nascent stage in developing online gambling economies such as the US and India. The leading vendors focus on developing new business models and focusing on diversifying their portfolios to attract new consumers in the global market. The launch of innovative products like the Poollotto Token Platform will help players gain a larger global online lottery market share over the next few years.

Traditional Lotteries Competitors

- Camelot UK Lotteries Ltd.
- China LotSynergy Holdings Ltd.
- Florida Lottery
- International Game Technology plc
- INTRALOT SA
- Lotto NZ
- New York State Gaming Commission
- Scientific Games Corp.
- The California State Lottery
- The Hong Kong Jockey Club

Blockchain-Based Lotteries Competitors

https://pooltogether.com

https://pancakeswap.finance/lottery

https://www.quanta.im

https://www.cryptomillionslotto.com/Home

https://cryptocasinos.com/bitcoin-lottery/

https://btccryptolottery.com

https://firelotto.io/best-bitcoin-ethereum-crypto-lotteries/

Most competitors use existing tokens and currencies and represent just an alternative view to the traditional lotteries, with centralized management. The main competitive advantages of the Poollotto Token are:

- Own token developed for lotteries, with a transparent and auditable set of rules.
- Focus on the ecosystem, trust, and best user experience
- De-Fi powered for fast and cheap transactions

Poollotto Platform

Platform Overview

Poollotto Platform is a visual presentation of the smart contract and decentralized blockchain network, which allows users to participate in the lottery in a simple and clear way, see the current state of the lottery, and monitor the results. The main goals of the platform are:

1. Best lottery experience for the players
2. Transparency of the lottery process and potential results
3. Privacy and trust

In addition to that, the Platform will utilize referral and giveaway programs, so the users can get better outcomes by inviting friends and getting additional tokens and increase the adoption and interest of the platform.

Platform Features and components

This section contains the list of major end-user features of the Platform which will be continuously reviewed and prioritized after the MVP phase (highlighted in blue) to react to user's demands, feedback and requests.

#	Component Feature	Description or Use case
1	**Landing Page**	The main page of the Platform explains the main concept of the lottery and ecosystem
2	**Connect wallet (MetaMask)**	Users will be able to connect the wallet with PLT tokens and use it across the platform
3	**Poollotto widget with pools (1 type)**	The component on the Landing page shows the active lottery progress, pools, sizes, and odds
4	**Payment flow**	Flow which allows users to place PLT tokens in a selected pool

5	Lottery Results	The screen which contains details about completed lottery, winnings, sizes, and other related information
6	User's Registration	Optional registration for the users, which want to create an account, see the history of lotteries, receive portal updates and news
7	User's Sign-in	User's Sign-in with 2FA
8	User's Profile	The page where user can manage profile, edit the name, add/edit avatar, change preferences for language, notification
9	User's Lottery History	The screen where the user can see his selected pools, placed tokens, results
10	Email Notifications	Email notifications to user about new lottery start, results, changed odds
11	Push Notifications	Push browser notifications about important events on the platform
12	Referral Program	Program when users can get additional tokens for invited friends and their activity on a Platform
13	Bonuses Program	The program which encourages user to register and get bonuses, bonuses for special lotteries, etc.
14	Lottery Types Management	The module which helps to create/monitor additional lottery types (for example, hourly, daily, weekly, special)
15	Widgets for additional lottery types	Components to support new lottery types with special layout, color, and design themes.
16	Additional wallets support	Users can use a variety of blockchain wallets on the Platform
17	Mobile Access	Users can access all the features of the Portal from mobile
18	Blockchain historical data	Platform component which improves the portal experience by storing cached historical data from the blockchain, so users can see data instantly
19	User's Lottery types	The component where users can create their own custom lotteries and get additional bonuses for allocated tokens and invited friends
20	Partners Fees Management	Module to manage the fees and payments to partners for the contribution of the ecosystem development

How it works

To participate in the lottery, the user has to have PLT tokens in his wallet. Users can exchange the tokens on any other [De-Fi platform](#) or exchange (where the PLT token is listed).

Once the user has tokens available, the process looks as follows:

1. The user navigates the Poollotto website
2. The user connects the MetaMask wallet
3. User selects the lottery (in the first phase - one lottery with has ten pools, defined by numbers)
4. User selects one or more numbers (which are associated with smart-contract pool)
5. User confirms the transaction to participate in selected pools with PLT tokens.
6. Poollotto network accepts the user's transaction and recalculates the pool sizes and odds.
7. On a defined date, Poollotto smart contract draws a random number (see Technical Overview regarding Random number generation) and determines the winners based on their staking time and odds.
8. The user gets the winning back in PLT tokens to the wallet used for participation.

Poollotto Lottery Benefits

Better odds and winnings

In traditional lotteries, where the user has to select the six numbers, and If the six numbers on a ticket match the numbers drawn by the lottery, the ticket holder is a jackpot winner—regardless of the order of the numbers. The probability of this happening is 1 in **13,983,816**. In the Poollotto Platform, users select one number out of 10.

All the money are divided between users

In traditional lotteries, when there is no winner, all the money can be added to the next lottery or kept by the "casteown" (a neutral third party that trusts all participants to organize the game, "the house"). The main focus of the Poollotto Platform is social and decentralized concepts, so the money is always distributed between the participants.

Skill-powered winnings

Due to the straightforward and transparent PLT lottery model and odds calculations, users can use their skills to analyze the state of the pools, assess winning probability, perform bet re-allocation, reduce the risk and increase the reward. This makes the PLT lottery more skill-based than a game of chance.

Token price is driven by users

The more users take part in lotteries, the higher the price of the token. Since PLT Lottery is a decentralized social lottery and prize pots are always distributed between participants, this can create an outstanding growth and popularity of the token and continuously increase the token price on exchanges and swap platforms.

Token

Users use Poollotto Token (PLT) to participate in the lotteries which can be created on the partners' platforms and even by users in the future phases of ecosystem development. As the ecosystem emerges, users will be able to see more lottery types and exciting gaming experiences. After the token adoption and scale, PoolLottoFinance will promote the token for exchange listings and users will be able to trade the tokens and have better outcomes with price changes and token popularity.

Token Economy

The PLT Token project was launched to create a blockchain platform and token economy that gives transparency and fair outcomes to users around the globe. At the same time, token distribution is defined to provide a required level of development, promotion, and support of the PLT Ecosystem.

Total amount 19 272 000 PLT

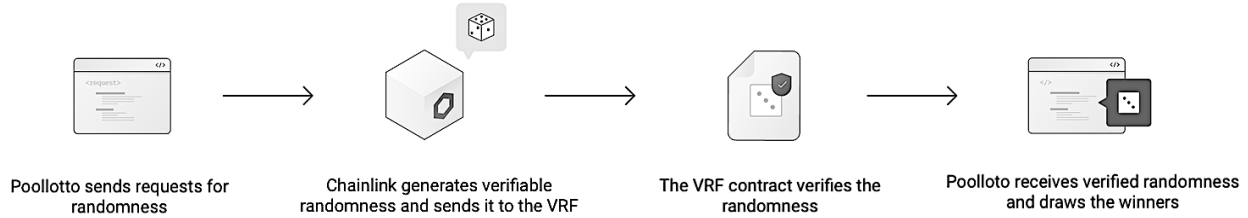| Percentage	Usage
35%	Allocation for lottery pools, will be evenly distributed for promotion and adoption during two years after public launch
15%	Marketing and promotion
15%	Private Sale
10%	For liquidity in the exchanges pools
10%	Legal and Tax aspects
10%	R&D Team
5%	Platform Development

Technical Overview

The essence of the Poolloto platform is the Poollotto Token (PLT) token. The Poollotto Token (PLT) token is a standard, auditable, fixed supply [BEP20](#) token operating on the [Binance Smart Chain](#) network and can be found at: [0x631c2f0edabac799f07550aee4ff0bf7fd35212b](#).
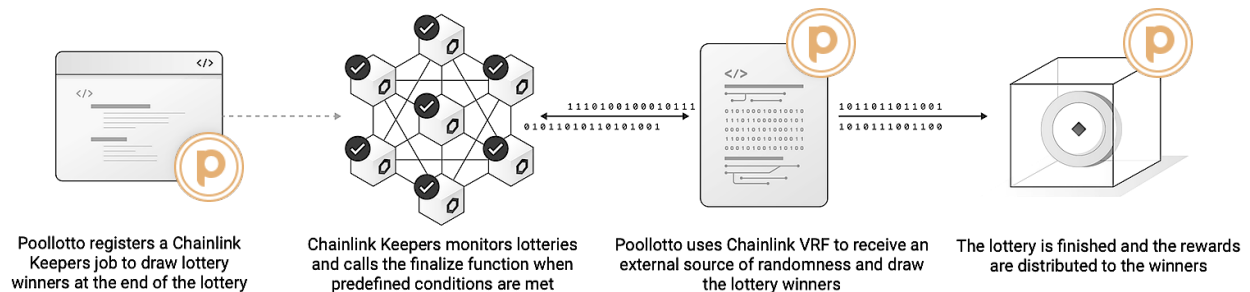
Poollotto platform is a completely decentralized system implemented using a set of immutable smart contracts with a fixed, transparent, and auditable set of rules. All the smart contracts are audited and verified, making sure that no user or protocol funds are at risk.

The platform requires randomness to create unpredictable, fair, and tamperproof lottery draws and distribution of the rewards. For example, many on-chain sources of randomness (such as the hash of a given block or its timestamp) are trivially exploitable and manipulatable. On the other hand, off-chain sources of randomness are centralized and very hard to audit. For this purpose, the platform is empowered by [Chainlink](#) to secure and guarantee fair and auditable rewards distribution and user engagement.

We are using [Chainlink's Verifiable Random Function (VRF)](#) service, where a user-supplied seed value and oracle node private key are used to generate a random number, as well as an on-chain cryptographic proof to confirm the integrity of the VRF process, to generate the required randomness (source of entropy) used to draw the winning pools and settle rewards. By combining the proof and seed, users can independently confirm that all entropy produced by Chainlink VRF is authentic and tamperproof. Since neither the oracle nodes nor smart contract developers are able to tamper with the RNG process, users receive strong assurances that Polygon applications relying on Chainlink VRF are provably fair and unbiased.

Poollotto sends requests for randomness → Chainlink generates verifiable randomness and sends it to the VRF → The VRF contract verifies the randomness → Poolloto receives verified randomness and draws the winners

In addition to the VRF, we are planning to utilize Chainlink even further by integrating Chainlink Keepers. Chainlink Keepers will provide Poollotto with a highly reliable, decentralized, and cost-efficient method of automating winners draws and rewards distribution, as well as regular contract maintenance, creating a never-before-seen form of fully decentralized DevOps capabilities. Using Chainlink Keepers, we will strengthen the uptime guarantees of critical on-chain functions and achieve end-to-end decentralized automation without relying on an additional layer of trust. The result is DeFi and the broader smart contract economy having the more robust infrastructure to scale and secure higher amounts of value for users.

Poollotto registers a Chainlink Keepers job to draw lottery winners at the end of the lottery | Chainlink Keepers monitors lotteries and calls the finalize function when predefined conditions are met | Poollotto uses Chainlink VRF to receive an external source of randomness and draw the lottery winners | The lottery is finished and the rewards are distributed to the winners

Team

Poollotto Token (PLT) was created by a team of people who have extensive experience in the sports, gaming, and blockchain domains, who understand all the benefits and disadvantages of these ecosystems and want to build a new generation of social lotteries for players and the best gaming experience.

The development of the Poollotto Token Ecosystem is supported by the team structure presented below. The size and structure of the team may vary depending on the project phase, achieved milestones, and platform needs. All required resources are available and will be allocated to the project on specific project stages.

Core R&D Group	Subject Matter Experts in Gaming, Blockchain and Finance domains
CEO	Experienced technology entrepreneur with extensive expertise in the sports and gaming industries
Co-Founder & COO	Designing and controlling the process of production and redesigning business operations in the production of goods or services.
Business Development Advisor	Implementing ideas, initiatives, and activities that help make a business better.
Research & Development Advisor	Moving all the right parts of the business and covering all activities that aim to create new products and bring them to production
Marketing Director	Managing all marketing activities, marketing team, control of the budget, channels of promotion, strategy, and hiring new team members.
SMM Director	Managing SMM strategy, planning posts
Blockchain Experts	Guru of blockchain networks and smart contracts
SMM Director	Managing all marketing activities, marketing team, control of the budget, channels of promotion, strategy, and hiring new team members.
Product Managers	Responsible for analytics, research and new features
Product Designer	Design all ideas that the team has

Front-end engineers	Transforms great ideas from product team heads into real products
Project & Quality Assurance Managers	Instantly finds bugs, challenges the security and reliability, make sure that users get great experience and confidence for the token
DevOps Manager	Identifies, assesses and solves complex business and IT problems, where analysis of situations or data requires an in-depth evaluation of variable factors, and apply DevOps solutions to enable client success
Content Designers	Creating banners, graphics for social media
Copywriters	Creating text content - such as social media posts, articles, PR, newsletter.
Media Buyers	Buying direct advertising, push notifications, tizer networks. Lead generating and Web traffic
Shiling team	Increasing knowledge about the project in all social media by posting messages. Promoting information to create excitement for it.
Mobile Applications Consulting	A software engineer who works primarily with mobile devices. Creating, programming, testing, and maintaining apps.
Automations	Creating and managing telegram bot
Marketing Project Manager	Managing marketing team, control of timing and priority of tasks

Availability

Partners

- Semana
- AMB Crypto
- Holywater tech

Exchanges

- DODO
- Bitmart
- CoinsBit
- PancakeSwap
- MEXC

Statistics

- CoinMarketCap
- CoinGecko
- BSCscan
- Nomics
- PooCoin
- Livecoinwatch
- CoinCost
- CoinCodex
- CoinMomo
- GeckoTerminal