

## Castle

*Decentralized Social Media:*  
*every user is an owner*

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## **Abstract**

The rise of the Internet and social media has given us the power to connect and share content endlessly. Today there are more than 4,200 billion people worldwide. It has disrupted our daily behavior completely. Consciously and unconsciously, we are allowing giant social media platforms to exploit our content and personal data and gain billions of dollars for their own benefit. And this is an unfair thread. Castcle's first mission is to create a fairer and better social media by decentralizing social media concepts. We believe that every user plays a crucial role in building up social media together and thus they should earn and own from the platform that they help build as well. Castcle will reward users with CAST token on blockchain technology from each contribution they make e.g. content creating, content farming and seeing ads. By design, the CAST token's value will represent the value of Castcle. All the advertising on Castcle will dictate the demand of CAST Token, resulting in more users, more advertising, more value of the CAST token. Thus, every user benefits from the progress and success of Castcle. Ultimately, every user is an owner together.

## Introduction

Homo Sapiens are social species. We tend to live in communities and form societies of our own. The rise of the Internet has made it easier for everyone to connect everywhere at anytime through social networks. Social media is an ecosystem of platforms wherein individuals or social entities share and generate sets of values and content. We believe these social media giants take this user-generated content for granted. These social media platforms are born from user-generated content that help link social groups together. Sadly, the content generated by users is being exploited by these massive platforms. For example, news publishers have been highly affected and disrupted by social media. News is now being consumed on social media more than ever resulting in reduced revenue on traditional news income streams. The news publishers get almost nothing on social media. User personal data is also being exploited. The more we use and spend time on the platforms, we both willingly and unwillingly give out our personal data to these Social Media Giants. This information is valuable for advertisers, making it a good source of income for the platforms. The owner of the data gets nothing. Both contents and personal data are valuable assets that users contribute to social media, and they make a billion dollars solely for giant social media shareholders. To us, this is an unfair ecosystem in which the true owners of the content and data are being exploited without the proper compensation.

## Castcle

“Castcle is a combination of a word ‘cast’ and ‘circle’. The cast of the platform is all users engaging with the platform and circling the feed of content. It’s designed to be a platform where everyone can share their opinions and thoughts freely and hopefully learn something new everyday from their preferred circle and media type. Most importantly, the users own and benefit from the value of the platform altogether.”

Our proposed solution is to build a fair and honorable social media ecosystem where all stakeholders are all rewarded. Our aim is to build a decentralized social media where everyone builds, owns and earns from the social media platform together.

Users will be rewarded with CAST tokens everytime they contribute something to the community e.g. spending time on the community and seeing ads, generating good contents, and curating or farming in quality content.

With the rising development of blockchain technology and adoption of cryptocurrency, tokens could be distributed as a reward to users and content creators. The benefits of giving out tokens spread to each stakeholder; users, content creators, advertisers and the platform.

The token values are variable to the success of the platform. An advertisement income will be used to purchase the CAST tokens. And this makes the token valuable. Plus, the token is exchangeable and redeemable to any users worldwide. This token rewarding system is the mechanism of a decentralized social media community where every user is an owner of the community.

Transparency and Community Sharing is our core belief and value. Castcle aims to be an open source code platform. The source code repository of Castcle is available to check and see our progress on GitHub. All works and source files published in the repository are

published under GNU AGPLv3 license terms. The content moderation will be disclosed and content governance by community via Decentralized Autonomous Organization (DAO) will be available for sustainable community driven.

## Platform Value Propositions

### 1. **Users** - For Castcle, 'Our users are our Owners'. Users are the driving force of the platform.

Content-driven community - Castcle is a social media for everyone. This is an online space where the users are encouraged to connect, meet, and share open discussions about their common interests and topics. The platform will learn about the users interests and behaviors and select merely relevant content and advertisements for them in a transparent open-source feed algorithm.

Data Monetization - unlike traditional social media, Castcle's platform is designed to build up a sustainable social media ecosystem where users are not being neglected or exploited. The platform encourages the users to create, engage, and share content on the platform and we reward them back with CAST tokens everytime they see ads on Castcle based on the ad revenue sharing structure. We believe that the more data that user inputs and the more permission given for targeted advertisements on Castcle, the more valuable ads value, and the more CAST token that user should earn from their data.

Content Farming - Content farming is a new reward mechanism in decentralized social media where users are the ones to select and farm in the promotion of content that they believe to be of good quality and valuable to other users. The farmed content will be prioritized in the Castcle algorithm. The farmed content will rank primarily and appear on other users' feeds. The higher the content reach is, the more reward the content creator will get. At the same time, users who farm in content will also get a share of the reward as users help the community to select the quality content and make the platform sustainable in the long term with good quality content.

Similar to traditional social media, social media platforms will recognize the quality and relevant content for each user based on users' engagement activities such as likes, comments or shares. Content farming will reward users who alert the community to recognize the quality content and keep users engaging to Castcle platform on a daily basis.

Privacy by design - Castcle runs on a concept of privacy by design. No personal data will be sold or disclosed to any third parties without users consent and mutual benefit. In our roadmap, users will be able to toggle on/off to remove advertisements at any preferred time by spending the token in their account balance as a substitute to reward the content creator and enjoy reading content without advertisements interruption at their leisure time.

### 2. **Content creators** - Content creators may use the platform to earn tokens by creating contents. When users see ads on Castcle, there will be an ad revenue sharing in CAST tokens back to the creators of contents that is shown on that users' feed before the ads. As a result, content creators will earn decent income and a fair share of their effort to create quality content for users and the platform.

### 3. **Advertisers** - Advertisers' objective is to direct their ads to the right target group at the right time. Advertisers can create targeted advertisements directly for their targeted audiences who allow targeted advertising, resulting in higher media spending efficiency

and less negative sentiments and impacts toward brands bombarding advertisements. Advertisers use CAST tokens to buy ads and the targeted audiences will earn CAST tokens from the matched ads.

## **CAST Token**

The CAST token aims to be a utility token. CAST token will be launched on Solana Chain due to the fastest, most scalable, and most cost-effective blockchain and best fit for micropayment solution.

### For utilities

1. CAST token is the only currency unit for advertisement in Castcle. However, advertisers can buy advertisements via traditional payments and the platform will automatically convert media budget into CAST tokens to be used on Castcle advertisement auction system.
2. CAST token can be used for content farming. Users can select the content that they believe will become popular and a hit among the community. The farmed content will be prioritized by the Castcle's machine learning. The farmed content will rank priority and appear on other users' feeds. The higher the farmed content reach is, the more reward to the content farmers and the content creator will get.
3. CAST token can be used as a reward or tip from the users to content creators whom they want to support for contributing good quality content to the community.

### In our roadmap

1. CAST token can be used as governance token for content moderation or future development of Castcle
2. CAST token can be used to toggle on/off "no advertisements" mode at any users' preferred period of time
3. CAST token can be used as a unit to mint or swap for content NFT
4. CAST token can be used for subscribing to access all premium contents of content creators and get the special monthly NFT of that content creator.
5. CAST token can be used for upgrading to a premium account to access all premium contents on Castcle without advertising interruption. The content creators will earn a share of the premium account fees based on time-weight proportion instead. The premium account users can still earn tokens from their advertisement feed.
6. CAST token can be used as a unit to buy general commerce in the marketplace or digital pet/gaming.

## **How to earn CAST token**

1. Airdrop: airdrop campaigns with other decentralized applications (DAPP) or crypto-related business partners to convince more cryptocurrency users to join Castcle and connect their blockchain wallets to claim airdrops if they hold the partners' token.

2. Referral: reward referrer earns a 10% bonus of the social reward that referee earns over 6 months after referee registration in order to convince more users to join the Castcle community.
3. Social: reward for users who contribute to the community. The advertisement value to each user after deduction for “development reserves” will become social rewards and rewarded back to the users.

Development reserve is thirty percent of the advertising value on Castcle. It is to be reserved for operations and development costs such as server, employees and development of new features to expand the community.

Social rewards can be categorized as

- a. Seeing Ads: the users get rewards when they see advertisements that best match the user's preference and data. So, users will earn the portion of their data value through the advertisement on Castcle.
- b. Content Reach: the content creator will get rewards when their content reaches other users' feeds. The content reach mechanism is run by Castcle's cutting edge machine learning to show the most relevant content to each user's preference. Content creators will get the proportion of the advertisement value that their contents reach to other users' feeds.
- c. Content Farming: the users can choose to farm in contents they believe will become popular and hit. If the farmed content reaches other users' feeds, the users who farmed in that content will get a share of content farming rewards. There will be an exponential weight of content farming reward to reward more for early content farmers who discover the quality content at an early stage. In addition, content farming has a 24 hour period, all farmed CAST tokens will be returned to users' account after farming is completed, in order to encourage users to engage in Castcle and help the community to discover fresh quality contents in Castcle on a daily basis.

The distribution ratio for the reward amount of each advertisement value after development reserve is twenty percent allocated to feed Reading, fifty percent allocated to content Reach, and the other thirty percent allocated to content Farming reward or simply put:

*Seeing Ads: Content reach: Content farming = 20: 50: 30*

Accounting for the development reserve, each advertisement value will be allocated

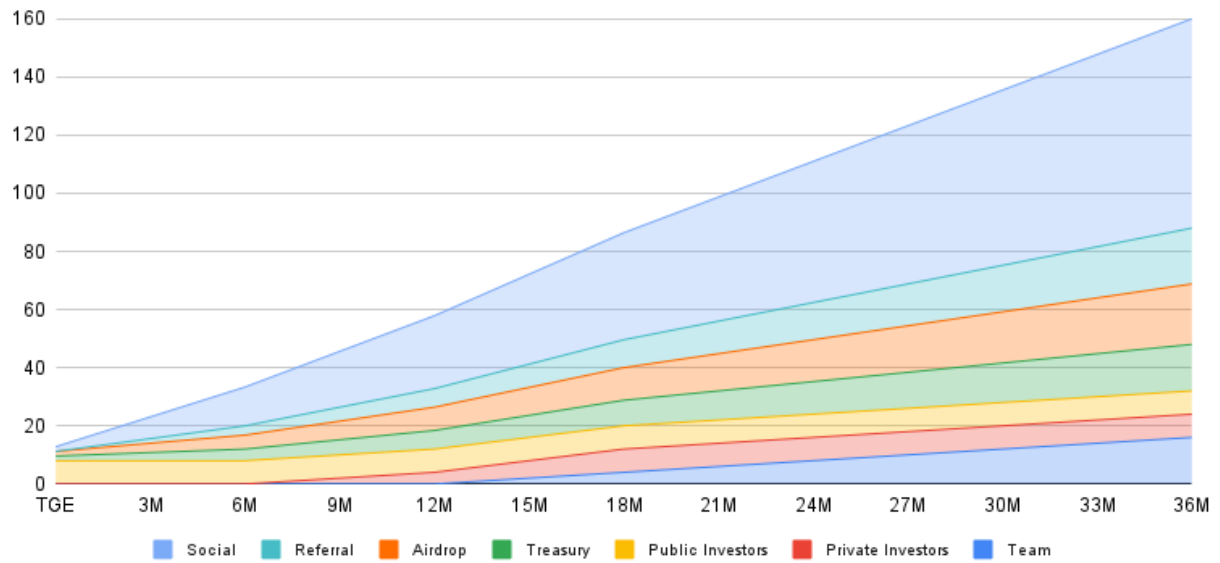
*Seeing Ads: Content reach: Content farming: Castcle = 14: 35: 21: 30*

## Tokenomics

There are planned to be a total of 160,000,000 CAST tokens to be distributed over a period of at least 3 years. The token release schedule will be:

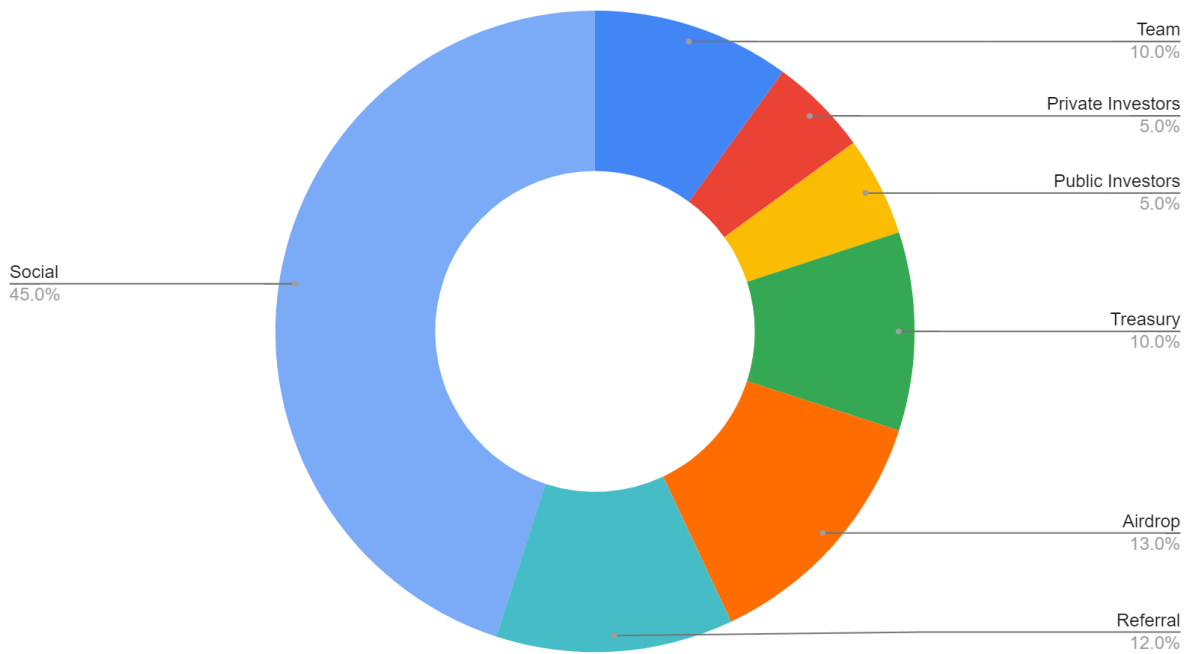
Categories	Token Amount	Vesting
Team	16,000,000	12 months cliff. daily linear release over 24 months.
Private Investors	8,000,000	6 months cliff. daily linear release over 12 months.
Public Investors	8,000,000	100% release at TGE
Treasury	16,000,000	1.6M at launch, the rest daily linear release over 36 months
Airdrop	20,800,000	1.6M at launch, the rest daily linear release over 36 months
Referral	19,200,000	Daily linear release over 36 months.
Social	72,000,000	1.6M at launch, the rest daily linear release over 36 months
<b>Total</b>	<b>160,000,000</b>	

## Token Release Schedule



The final distribution structure will be:

## Token Distribution





1. Team (16M) - allocated to the team member of Castcle - 12 months cliff. daily linear release over 24 months.
2. Private Investors (8M) - allocated to the private investors of Castcle - 6 months cliff. daily linear release over 12 months.
3. Public IDO (8M) - allocated to the public IDO - 100% release at TGE
4. Treasury (16M) - allocated to both liquidity rewards and partners - 1.6M at launch, the rest daily linear release over 36 months
5. Airdrop (20.8M) - allocated to reward users who join Castcle through airdrop campaign with other Dapp partners - 1.6M at launch, the rest daily linear release over 36 months
6. Referral (19.2M) - allocated to reward referrers who refer more users to join Castcle - Daily linear release over 36 months.
7. Social (72M) - allocated to content or advertising partners, with a condition for boosting contents on Castcle only - 1.6M at launch, the rest daily linear release over 36 months

### **Castcle Roadmap & Opportunity**

Our roadmap is clear that at the initial phase, Castcle community is positioned to be the decentralized social media for cryptocurrency users to share and explore new cryptocurrency ideas and community. The number of global cryptocurrency users is expanding at a rapid growth rate from 5.8 million users in 2017 to 101 million users in 2020 [1]. The current cryptocurrency users are big enough for Castcle to start being the decentralized social media for cryptocurrency users.

However, Castcle aims to be a daily social media community and broaden users based from cryptocurrency users to general users over the time by expanding features to cover daily engaging hooks such as music/video streaming, chat function, marketplace, mini casual game, etc.

Social media market is a huge opportunity market. Currently, social media users worldwide have already surpassed 4.2 billion users in 2021 and still achieve a two digit growth rate at 13.2% year-on-year [2]. The social media advertising market is estimated at \$110,628 in 2021 [3]. Convincingly, Castcle community is ready to disrupt the social media market to create a better and fairer social media community for global users.

### Timeline Roadmap

- 1Q22 - Beta version of Castcle community, the social media for cryptocurrency users to share and explore cryptocurrency contents and community. Auto-post accounts allow content creators to connect Castcle accounts with their Twitter, Facebook Page and automatically post on Castcle after they create content on the connected accounts.
- 3Q22 - Launch Initial Dex Offering (IDO) of CAST Token and kickstart social reward, users can earn token from content reach, content farming, and seeing ads.
- 4Q22 - Launch Airdrop Campaign with partners, users can earn more ad value from the blockchain wallet and exchange wallet data. Launch referral reward, referrers earn 10% reward of referee's social reward for 6 months. When users share content from Castcle will contain referral code of that user.

- 1H23 - Introduce Group, Friend and Short Video - Users can sync Casttle Page with other social media such as Instagram, TikTok to automatically post short videos/ photos to Casttle.
- 2H23 - Introduce content NFT, Ad toggling and DAO. Content creators can mint their content to a content NFT and sell to gain the present value of content reach reward in advance. The content NFT will be stored perpetual on decentralized content storage. Ad toggling is when users do not want to see ads, so they can use CAST tokens to reward content creators instead of ad revenue. Decentralized Autonomous Organization (DAO) will be launched for content moderation and future development governance.
- 2024 - Music & Video Streaming, NFT marketplace, subscription & FC NFT, premium account, Chat, Digital pet & gaming

Casttle will hasten the mass adoption of blockchain technology. With decentralized social media, everyone can start to earn and know about token and cryptocurrency by themselves. They will realize the benefits of globally and efficient transactions and many more utilities of decentralized applications. This is the second mission of Casttle.

## Reference

- [1] [https://research.binance.com/static/pdf/Global\\_Crypto\\_Index\\_2021.pdf](https://research.binance.com/static/pdf/Global_Crypto_Index_2021.pdf)
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