AIJ

AI Automated Strategy System Executing Personal Consciousness

White Paper

AIJ AME FOUNDATION

AIJ ame Foundation LTD.

PLEASE READ THE ENTIRETY OF THIS "NOTICE" SECTION CAREFULLY. NOTHING HEREIN CONSTITUTES LEGAL, FINANCIAL, BUSINESS OR TAX ADVICE AND YOU SHOULD CONSULT YOUR OWN LEGAL, FINANCIAL, TAX OR OTHER PROFESSIONAL ADVISOR(S) BEFORE ENGAGING IN ANY ACTIVITY IN CONNECTION HEREWITH. NEITHER AIJAME FOUNDATION LTD. (THE FOUNDATION), ANY OF THE PROJECT TEAM MEMBERS (THE AIPoker TEAM) WHO HAVE WORKED ON THE AIPoker PLATFORM (AS DEFINED HEREIN) OR PROJECT TO DEVELOP THE AIJ PLATFORM IN ANY WAY WHATSOEVER, ANY DISTRIBUTOR/VENDOR OF AIJ TOKENS (THE DISTRIBUTOR), NOR ANY SERVICE PROVIDER SHALL BE LIABLE FOR ANY KIND OF DIRECT OR INDIRECT DAMAGE OR LOSS WHATSOEVER WHICH YOU MAY SUFFER IN CONNECTION WITH ACCESSING THIS WHITEPAPER, THE PROJECT WEBSITE (THE WEBSITE) OR ANY OTHER WEBSITES OR MATERIALS PUBLISHED BY THE FOUNDATION.

The Whitepaper and the Website are intended for general informational purposes only and does not constitute a prospectus, an offer document, an offer of securities, a solicitation for investment, or any offer to sell any product, item or asset (whether digital or otherwise). The information herein may not be exhaustive and does not imply any element of a contractual relationship. There is no assurance as to the accuracy or completeness of such information and no representation, warranty or undertaking is or purported to be provided as to the accuracy or completeness of such information. Where the Whitepaper or the Website includes information that has been obtained from third party sources, the Foundation, the Distributor, and/or the AIJ team have not independently verified the accuracy or completion of such information. Further, you acknowledge that circumstances may change and that the Whitepaper or the Website may become outdated as a result; and neither the Foundation nor the Distributor is under any obligation to update or correct this document in connection therewith.

Nothing in the Whitepaper or the Website constitutes any offer by the Foundation, the Distributor or the AIJ team to sell any AIJ (as defined herein) nor shall it or any part of it nor the fact of its presentation form the basis of, or be relied upon in connection with, any contract or investment decision. Nothing contained in the Whitepaper or the Website is or may be relied upon as a promise, representation or undertaking as to the future performance of the AIJ Platform. The agreement between the Distributor and you, in relation to any sale and purchase of AIJ is to be governed by only the separate terms and conditions of such agreement.

By accessing the Whitepaper or the Website (or any part thereof), you represent and warrant to the Foundation, the Distributor, its affiliates, and the AIJ team as follows:

- In any decision to purchase any AIJ , you have not relied on any statement set out in the Whitepaper or the Website;
  you will and shall at your own expense ensure compliance with all laws, regulatory requirements and restrictions applicable to you (as the case may be);

- You acknowledge, understand and agree that AIJ may have no value, there is no guarantee or representation of value or liquidity for AIJ , and AIJ is not for speculative investment;

- None of the Foundation, the Distributor, its affiliates, and/or the AIJ team members shall be responsible for or liable for the value of AIJ , the transferability and/or liquidity of AIJ and/or the availability of any market for AIJ through third parties or otherwise; and

- You acknowledge, understand and agree that you are not eligible to purchase any AIJ if you are a citizen, national, resident (tax or otherwise), domiciliary and/or green card holder of a geographic area or country (i) where it is likely that the sale of AIJ would be construed as the sale of a security (howsoever named), financial service or investment product and/or (ii) where participation in token sales is prohibited by applicable law, decree, regulation, treaty, or administrative act (including without limitation the United States of America, Canada, New Zealand, People's Republic of China (but not including the special administrative regions of Hong Kong and Macau, and the territory of Taiwan), the Republic of Korea and the Socialist Republic of Vietnam).

The Foundation, the Distributor and the AIJ team do not and do not purport to make, and hereby disclaims, all representations, warranties or undertaking to any entity or person (including without limitation warranties as to the accuracy, completeness, timeliness or reliability of the contents of the Whitepaper or the Website, or any other materials published by the Foundation or the Distributor). To the maximum extent permitted by law, the Foundation, the Distributor, their affiliates and service providers shall not be liable for any indirect, special, incidental, consequential or other losses of any kind, in tort, contract or otherwise (including, without limitation, any liability arising from default or negligence on the part of any of them, or any loss of revenue, income or profits, and loss of use or data) arising from the use of the Whitepaper or the Website, or any other materials published, or its contents (including without limitation any errors or omissions) or otherwise arising in connection with the same. Prospective purchasers of AIJ should carefully consider and evaluate all risks and uncer-

tainties (including financial and legal risks and uncertainties) associated with the AIJ token sale, the Foundation, the Distributor and the AIJ team.

All contributions will be applied towards the advancing, promoting the research, design and development of, and advocacy for an online poker platform that integrates AI, big data analysis and blockchain technology. The Foundation, the Distributor and their various affiliates would develop, manage and operate the AIJ Platform.

The information set out in the Whitepaper and the Website is for community discussion only and is not legally binding. No person is bound to enter into any contract or binding legal commitment in relation to the acquisition of AIJ, and no virtual currency or other form of payment is to be accepted on the basis of the Whitepaper or the Website. The agreement for sale and purchase of AIJ and/or continued holding of AIJ shall be governed by a separate set of Terms and Conditions or Token Purchase Agreement (as the case may be) setting out the terms of such purchase and/or continued holding of AIJ (the Terms and Conditions), which shall be separately provided to you or made available on the Website. In the event of any inconsistencies between the Terms and Conditions and the Whitepaper or the Website, the Terms and Conditions shall prevail.

No regulatory authority has examined or approved of any of the information set out in the Whitepaper or the Website. No such action has been or will be taken under the laws, regulatory requirements or rules of any jurisdiction. The publication, distribution or dissemination of the Whitepaper or the Website does not imply that the applicable laws, regulatory requirements or rules have been complied with.

The information set out herein is only conceptual, and describes the future development goals for the AIJ Platform to be developed. The Whitepaper or the Website may be amended or replaced from time to time. There are no obligations to update the Whitepaper or the Website, or to provide recipients with access to any information beyond what is provided herein.

All statements contained herein, statements made in press releases or in any place accessible by the public and oral statements that may be made by the Foundation, the Distributor and/or the AIJ team may constitute forward-looking statements (including statements regarding intent, belief or current expectations with respect to market conditions, business strategy and plans, financial condition, specific provisions and risk management practices). You are cautioned not to place undue reliance on these forward-looking statements given that these statements involve known and unknown risks, uncertainties and other factors that may cause the actual future results to be materially different from that described by such forward-looking statements, and no independent third party has reviewed the reasonableness of any such statements or assumptions. These forward-looking statements are applicable only as of the date indicted in the Whitepaper, and the Foundation, the Distributor as well as the AIJ team expressly disclaims any responsibility (whether express or implied) to release any revisions to these forward-looking statements to reflect events after such date.

The use of any company and/or platform names or trademarks herein (save for those which relate to the Foundation, the Distributor or its affiliates) does not imply any affiliation with, or endorsement by, any third party. References in the Whitepaper or the Website to specific companies and platforms are for illustrative purposes only.

The Whitepaper and the Website may be translated into a language other than English and in the event of conflict or ambiguity between the English language version and translated versions of the Whitepaper or the Website, the English language versions shall prevail. You acknowledge that you have read and understood the English language version of the Whitepaper and the Website.

No part of the Whitepaper or the Website is to be copied, reproduced, distributed or disseminated in any way without the prior written consent of the Foundation or the Distributor.

INDEX

1 Abstract

2 Status of online poker industry

3 Revolutionary solution

4 Technical implementation

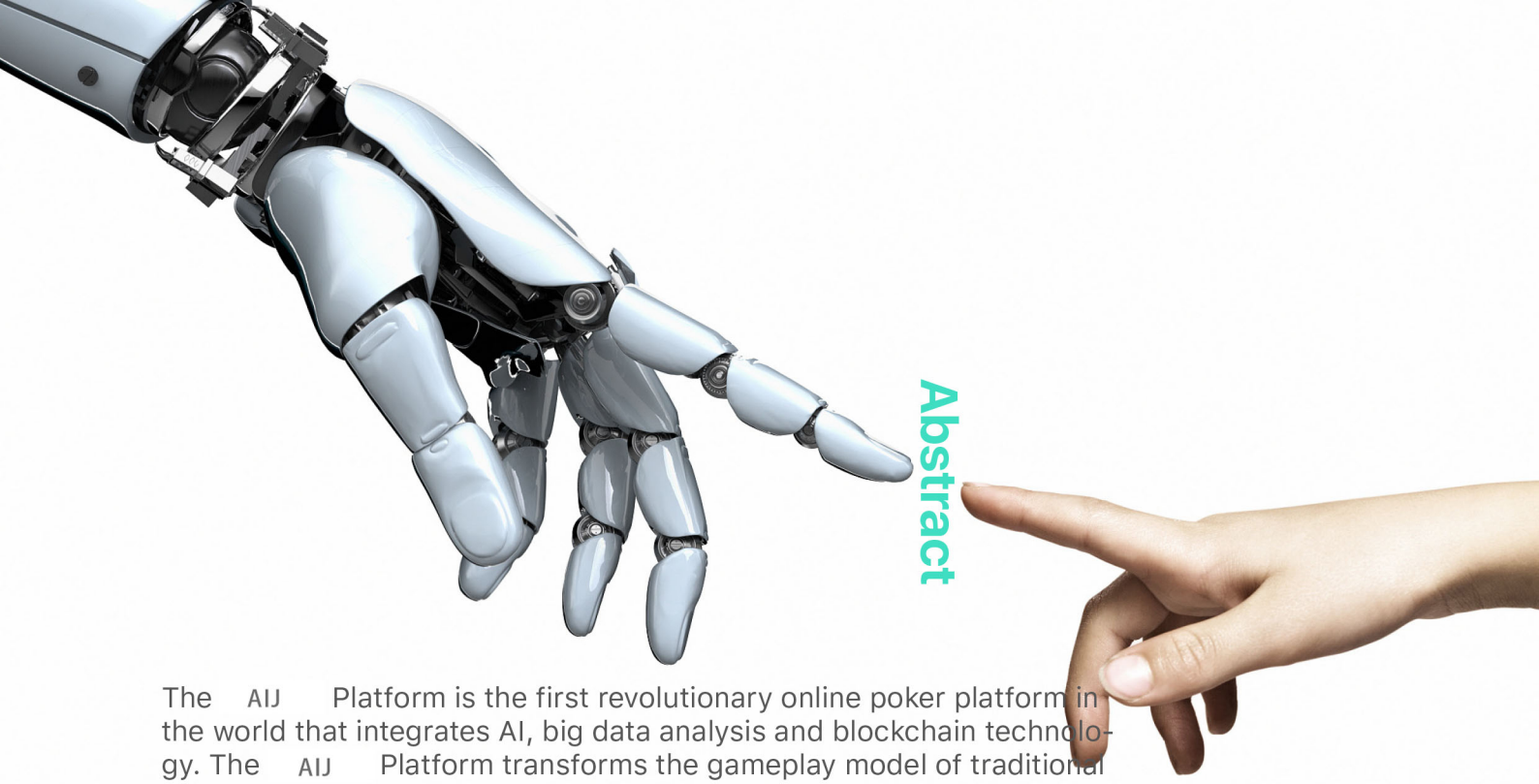
5 Community token

6 Development plan

7 Project background

8 Important notes and risk warnings

9 Reference



Abstract

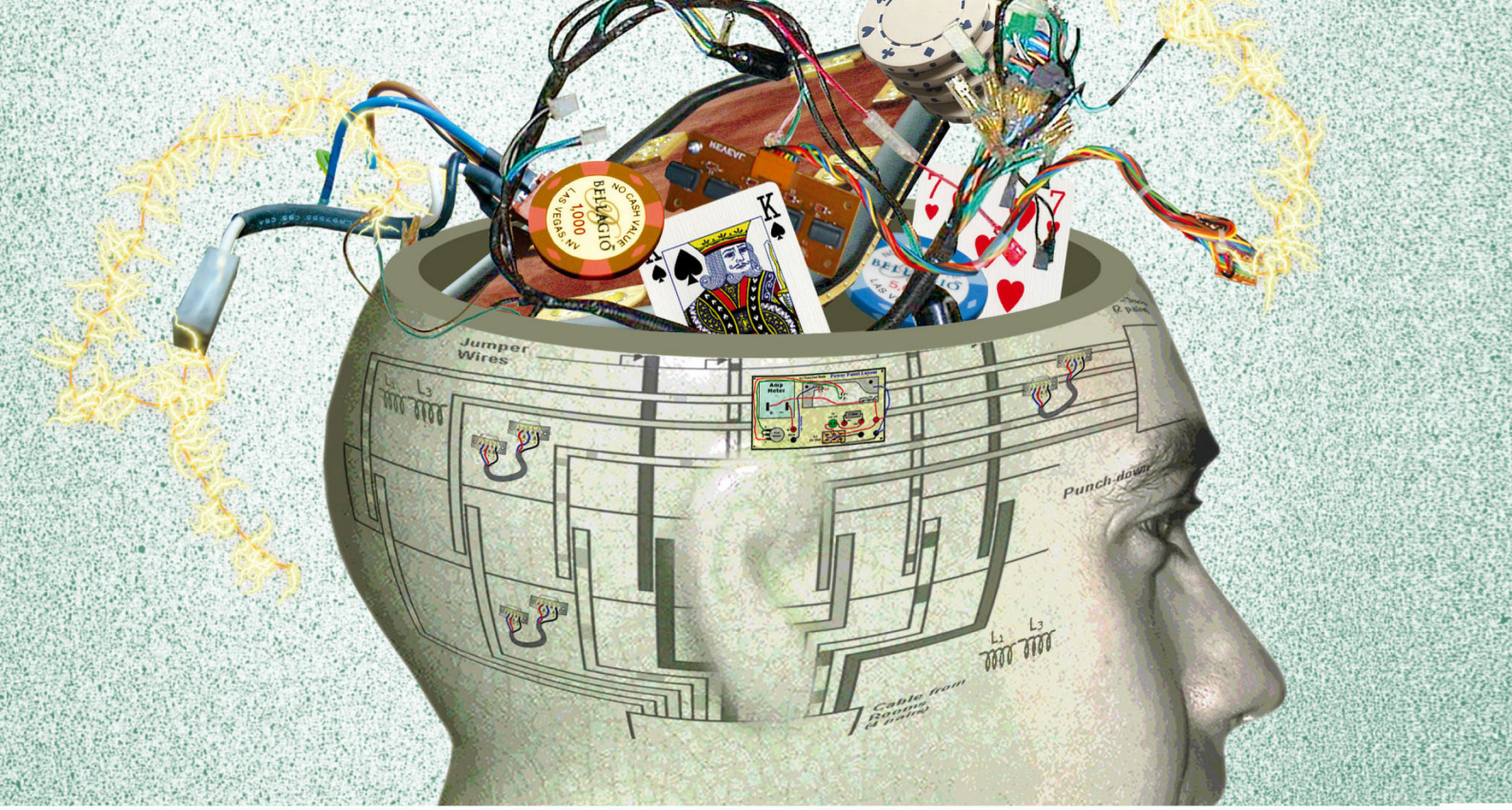
The AIJ Platform is the first revolutionary online poker platform in the world that integrates AI, big data analysis and blockchain technology. The AIJ Platform transforms the gameplay model of traditional poker games and enjoys strong commercial expandability and gives room for creativity. The innovative ***Grand Jackpot*** mechanism uses the decentralised blockchain technology to create a truly decentralised model, which drives the development of the community token AIJ.

Dependent on its exclusive patented automated strategy execution system, the AIJ Platform achieves the capacity for an infinite number of players and matches of online poker games, which drives the evolution of online poker games and opens up huge incremental market. The AIJ Platform helps players fulfil their psychological needs through the provision of a space for experiencing human brain decisions, quick betting and faster feedback. At the same time, due to the innovative gameplay structure, the number of games that players can participate in simultaneously increases geometrically. These features are anticipated to attract new players at different levels of experience from all over the world to participate.

The big data analysis system of the AIJ Platform not only assists players in optimising their personal strategies but also provides feedback to players and helps them improve their tactical level in traditional poker games. The innovative strategy supermarket supports the sharing of strategies and benefits between players.

The AIJ Platform will issue community token AIJ based on the smart contract. Players can participate in platform games and activities using AIJ and other mainstream digital currencies. At the same time, the AIJ Platform will reserve 50% of AIJ in the form of a community rights protection fund to protect platform incentives and player rights, prosper the platform community and safeguard the interests of platform contributors, which provides a solid internal foundation for the penetration of AIJ into the external market.

The innovative ***Grand Jackpot*** mechanism of the AIJ Platform puts all the platform surplus into ***Grand Jackpot***, records the contributions of each AIJ holder and community member according to the smart contract and distributes all ***Grand Jackpot*** according to their contributions, which realises a decentralised model.



2. Status of online poker industry

Considering the safety of personal funds, policy risks and long–term operation stability of operators, the stable active player base have developed a form of indirect "platform loyalty", causing the majority of the market share for the global traditional online poker industry to be divided among three large operators. However, the current online poker operators generally lack innovation and drive to seek breakthroughs in their conduct of game rules, incentive mechanisms and supply of services. Thus, homogeneous competition is severe between operators, causing massive numbers leisure players that could drive the core growth of the online poker market to exit the market.

Long–time poker players have gradually become tired of traditional rules of poker games. Thus, changing the gaming model through the seeking of innovations and breakthrough developments is likely to appeal to those players, and is projected to drive future market growth trends.

Currently, operators largely lack effective technical and strategic guidance specific to the huge untapped potential market of leisure players, this makes the leisure players unable to constantly join in games after spending lots of their money. If leisure players can be effectively guided and managed, and offered opportunities of competing with experienced players, they may develop loyalty to this form of recreation. That can also help form a favourable industry ecosystem.

2.1 Description about the scale and status quo of online poker industry

In 1995, IRC Poker developed by an unknown programmer became the earliest prototype of online pokers. In 1998, the first online poker website Planet Poker came into birth.

Over 20 odd years of development, Online Poker has grown into a complex globalised multi–segmented industry covering financial transaction services, online payment services, game making

services, strategy tool design, Internet technology development, event organisation and marketing, and organisational supervision systems, built around the operation of traditional online poker gameplay.

Since 2000, Online Poker has entered a stage of globalised development. So far, it has developed into three regional markets in North America, Europe and Asia Pacific.

Online Poker is a legally supervised industry. But due to huge capital flows involved, the business plays a long-term cyclic game with policy supervision. In 2011, Online Poker was cracked down on through the "Black Friday" event in North America. Then, the condition of the whole market changed from one of explosive growth to cautious small increases.

At present, online poker operators are generally less innovative in gameplay, reward mechanism and service provision, and the competition among operators is seriously homogenized so that a large number of casual players who can really drive the core growth of the overall market leave silently.

Due to the huge market potential of the online gaming industry, governments have long been required to formulate mature laws to implement industry reform. In early 2018, the US Supreme Court formally ruled that PASPA is unconstitutional, and the relief of the federal ban will help US states establish their own gaming management laws and will also stimulate more regional markets to liberalise regulation. This means that more user funds throughout the world can legally flood into the online poker industry.

According to the research data from Statista, a world-renowned online statistical agency, the total market size of global online gaming industry will reach 51.96 billion US dollars in 2018, which is expected to grow to 59.79 billion US dollars in 2020. Another research report by Juniper Research, a data communications research organisation, shows that the size of the global online gaming will exceed 100 billion US dollars by 2021.

The gameplay of online poker has certain requirements on the ability of players, technology and strategy level, and its market share ranks after casino games and sports betting and continues to grow at a rate of more than 7% every year.

2.2 Key issues involving growth of online poker industry

2.2.1 It has a singular gameplay and weak user growth

The gameplay of online poker has certain requirements on the capability and experience of players, but the mainstream live-action gameplay and teaching provided through current online poker platform operators is overly traditional and singular in nature. In addition, they are in homogenous competition, for they have similar products, similar gameplay and similar services. In terms of product innovation, big platforms are limited by their market volume. They respond to market needs sluggishly and lack impetus, thus their only option is relying on brand loyalty to retain active users and the usage of incentives to activate passive users. This results in the online poker industry being unable to expand the user market.

2.2.2 Policy direction and currency exchange are always important factors affecting the fluctuation of online poker market

At present, the European market has the largest number of countries that have legalised online poker, three US states have legalised online poker, and it is expected that all the states in North America will release regional regulatory acts in a targeted manner. The Asia–Pacific market that is represented by the Philippines has achieved rapid growth after several years of industrial development. However, any changes in the regulatory policy of regional markets and fluctuations of global exchange rates will affect the fund stability of online poker industry. The issue of creating a safe, reliable and stable fund management system for players and avoiding the risk loss caused due to policy and exchange rate fluctuations is something the online poker industry urgently needs a solution for.

2.2.3 Fund security of players is threatened by technical risks

The Black Friday in 2011 made online poker players understand how the centralised online poker platform can potentially cause players to lose all of their money. If there is a technical vulnerability or equipment failure in the centralised platform, the information stored on the platform is at risk of being leaked and resold. Moreover, platform operations lack third–party regulation, so they cannot achieve full transparency of information from the bottom up, which increases the fund security risk exposure of players to a certain extent.

2.3 Gameplay drawbacks of traditional online poker

Poker is considered to be a skill based competitive game. Online poker has a consistent problem where experienced players often take money from casual players so that casual players in the market tend to have higher fund consumption.

The “immoral” dark side of the industry includes algorithm/machine learning robots targeted at newcomers and collusive teams with multiple members at the same table. This is common in the online poker circle, which means that casual players are facing unprecedented disadvantages. If casual players are well developed from the start, they can become loyal participants and make a significant contribution to the entire ecosystem, so it is critical to manage and train new players.

2.3.1 Time, emotion, Internet speed and unexpected events impact players

Online poker is a competitive game that requires strong skills. For example, during the game, players limited by time tend to make hasty decisions, or get out of control emotionally if affected by a factor (such as a sudden phone call) and play the game in an irrational manner, or misjudge due to long game time. These factors affect the final game results of players to a large extent so that they cannot perform their most rational game strategy.

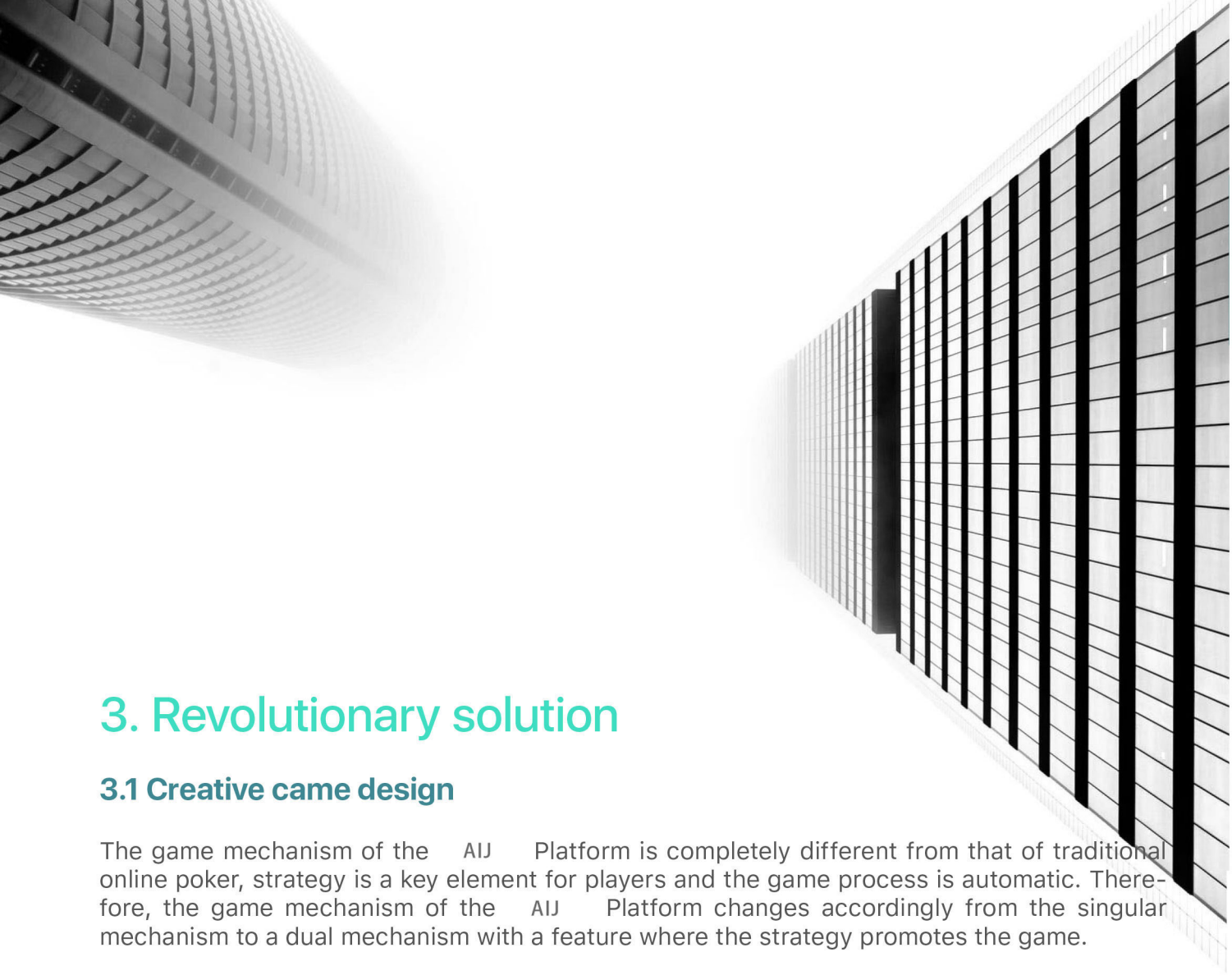
2.3.2 Platform manipulation

It has always been difficult to ensure the fairness of the random dealing of online poker, and due to platform scams and ever–present fraud, poker players have to doubt the fairness of dealing mechanism or system control, thus online poker platforms have gradually lost their credibility. At present, traditional Internet technologies do not have a satisfactory solution to the problem of

“distrust”, and the “transparency and openness” features of blockchain technology is expected to help online poker platforms solve this problem.

2.3.3 Game fairness is questioned - joint cheating of players

In addition to platform manipulation, joint cheat of players is also increasingly serious. Cheaters through irrational defeat help other players win chips (intentional defeat), or two or more players join hands to gain more than other players, which greatly damage the game fairness.



3. Revolutionary solution

3.1 Creative came design

The game mechanism of the AIJ Platform is completely different from that of traditional online poker, strategy is a key element for players and the game process is automatic. Therefore, the game mechanism of the AIJ Platform changes accordingly from the singular mechanism to a dual mechanism with a feature where the strategy promotes the game.

In online poker games on the AIJ Platform, players liberate their hands, so they can play infinite matches at the same time. Experienced players can focus on their own game strategy and continue to realise the subject in the poker game - the limits of human brain strategy that people can reach in real competitions, and the opportunities for players to gain from the game are expected to geometrically increase.

3.1.1 Core gameplay of the AIJ Platform

The AIJ Platform is the first online poker platform in the world that has the revolutionary concept of integrating AI, big data analysis and blockchain technology. The well-designed system promotes the usage of community token AIJ, and the original Grand Jackpot mechanism uses the decentralised blockchain technology to create a truly decentralised model.

Dependent on the exclusive patented automated strategy execution system, the AIJ Platform achieves the capacity for infinite players and matches of online poker game, which will drive the core evolution of the online poker game and opens up a huge growing market. The AIJ Platform helps players fulfil their psychological needs through the provision of a space for experiencing human brain decisions, quick betting and faster feedback. At the same time, due to the innovative gameplay, the number of games the players can participate in simultaneously increases geometrically. These features are anticipated to attract new players at different levels of experience from all over the world to participate.

Based on the automated strategy execution system, the AIJ Platform creates the core

gameplay of automated player strategy, which will no longer be limited to the singular form of a live-action game and innovatively transforms the form of participation by players. In this way, the number of players and matches in the online poker game reaches the infinite level.

In the AIJ Platform, players can customise their game strategy and create and adjust it to match their personal style and achieve a high win rate. The created strategy can be automatically applied through the AIJ automated execution system to multiple games or matches simultaneously in the game lobby. The system will automatically execute multiple games or matches on behalf of players based on their pre-set rules.

The behaviour of players has the following characteristics in the game process of AIPoker:

1. They can develop their playing strategy and apply it to the game.

2. The game is played automatically based on the strategy set by the player.

3. Since the game is played automatically, the player need not play every match in person so that they (their set strategy) can play multiple games simultaneously.

4. Without the interference of human and environmental factors, the game improves its quality and the win rate.

5. Different games can use different strategies, they could be highly targeted and flexible.

6. Big data analysis of a large number of game processes are fed back to players, which provides objective and effective data analysis and recommendations to improve their playing skills and optimise their strategies.

7. The optimised strategy is applied to many games and in turn the strategy is continuously improved through the feedback data so that the skills of individual players are improved. In this way, the game is continuously developing, and user loyalty is strengthened.

In the core gameplay of automated execution player strategy provided via the AIJ Platform, high-level poker playing strategies with a high win rate will become a necessary equipment of poker players.

Therefore, the AIJ Platform creatively designs the product form strategy supermarket to provide players with game strategy transaction services. Senior players can share their personal strategies with the community through the strategy supermarket under a winnings sharing agreement (in the form of secondary smart contracts on the AIJ Platform) to achieve continuous incentives for sharing. Newcomers and casual players can also select different game strategies that meet their needs according to the real-time strategy leaderboard data provided via the platform. Once winning, policy users can be receiving a portion of the winnings based on the ratio as decided by the policy provider (in the form of secondary smart contracts on the AIJ Platform).

The big data analysis system of the AIJ Platform can not only help poker players at different levels adjust their personal strategies according to various data indexes and achieve a precise optimisation of personal win rate but can automatically implement strategic optimal configuration so that poker players at different experience levels can play games based on dif-

ferent skill levels, making it convenient to maximise gains. More importantly, this big data system can achieve the building of playing skills through data analysis and help players improve their skills and win rate in the traditional poker game.

3.1.2 Advantages and Innovations of the AIJ Platform

The AIJ Platform is the first to propose the innovation of ***building an AI automated strategy execution platform based on the personal knowledge of players and combine with patented AI technology,*** big data and blockchain to improve the game experience. It has following prominent advantages:

1. AI technology can activate the in-depth imagination for the future development of online poker projects and improve the fun and skills of players in a new way, thus, it provides opportunities to solve the impact of the existing game mechanism on player engagement.

2. Different from existing blockchain games, the technical team of the AIJ Platform is committed to creating a unique online poker platform to increase the excitement and fun of games and transforming the existing investment-driven behaviour of blockchain participants into game-driven behaviour.

3. It breaks the limitation on the number of players. The AIJ Platform uses the AI machine to automatically operate online poker games, and each game on the AIJ Platform can realise unlimited reconnections so that when players rest, the computer can automatically complete the game. At the same time, a player can play different games with infinite potential for matches. Players only need to issue their commands as automated strategies and AI can execute it. The AIJ Platform breaks the limitation on the number of players so that the game capacity is infinitely large.

4. Different from the confrontation between an AI computer learning system and people, the AIJ Platform provides contests between people. It breaks the physiological limit of players and eliminates their psychological fluctuations. The AIJ team is committed to minimising the probability of irrational decision-making due to subjective factors such as emotion, time and environment. Due to the rule-based decision tree (RBDT) used by the AI machine, players would tend not to be emotionally affected in their decision-making process. The AIJ Platform provides contests between the decision-making mechanisms of players, which will be implemented via the AI machine, this has the potential for greatly improving the win rate and gaming experience of players.

5. It avoids the cheating behaviour of platform and player. The execution function of AI machine can avoid platform cheating and player cheating, because the strategy is set before the game starts so that the player can no longer operate online in the game. At the same time, the platform uses the technical principle of big data RNG to realise open and transparent dealing. The combination of these two aspects further avoids platform cheating, which has the potential to completely solve the problem of joint cheating between players and platform cheating.

6. Without any barriers to entry, anyone can use shared strategies to play the game and obtain two-way AIJ winnings/incentives. The AIJ Platform creatively designs the product of the strategy supermarket to provide players with game strategy transaction services. Senior players can focus on improving the pinnacle of their own game strategies and gain more feedback incentives from strategy users via sharing high win rate strategies. Newcomers and casual players can also select high win rate strategies and the joining of mul-

tiple games with low skill barriers to entry to quickly gain feedback. Once winning, policy users can share in the winnings based on the ratio marked by the policy provider (in the form of secondary smart contracts on the AIJ Platform).

7. Different from the profit model of other games, the AIJ Platform has the advantages of transparency and security. Its service fee, game props and entry fee ratio are automatically executed through the system. All the data is on the chain, so players can see the transaction details, which avoids platform cheating, ensures transparency and security.

3.1.3 The AIJ Platform promotes a multi-user incremental market

The AIJ Platform is oriented to the application at mobile phone, and the breakthrough in gameplay greatly reduces the operation cost to players.

The innovative gameplay of the AIJ Platform will attract casual players who are accustomed to using mobile phones to enter the online poker more conveniently.

The fun, excitement and potential winnings of the AIJ Platform is also expected attract a large number of ordinary casual players who are keen on online strategy games.

The multiple revolutionary characteristics of the AIJ Platform in gameplay and technology can achieve multi-player market crossover, expand the market share of online poker industry and attract online poker enthusiasts and casual players. The AIJ Platform provides players with full and diverse transaction scenarios, which will also promote existing cryptocurrency enthusiasts to participate widely so that the AIJ Platform will truly promote the huge incremental market of gamers, online poker players and cryptocurrency enthusiasts.

3.2 The AIJ Platform products under development

The new ecosystem built under the AIJ Platform model can drive the industry to move forward. The products under the new ecosystem of the AIJ Platform include:

3.2.1 The AIJ Platform automated execution system

System principle: AIJ game automated execution system consists of player strategy configuration system, game processing system, information identification system and game execution system.

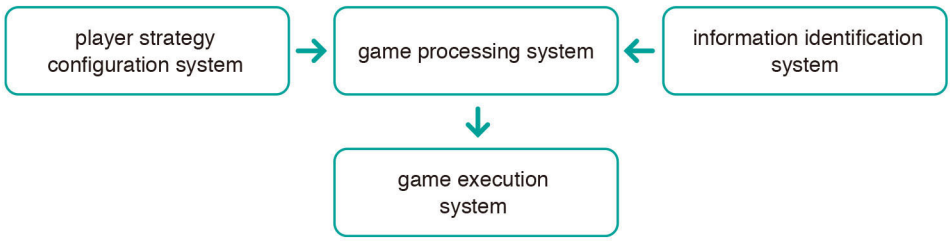


Fig. 3-1 System schematic

Player policy configuration system and information identification system are both connected to the game processing system, and then the fully automated online game platform is implemented through game execution system. After entering the system, players first configure their game strategy through policy configuration system and then save their configuration. After the game starts, players start the system and retrieve the previously configured policy. the AIJ Platform is an AI automated strategy system based on the personal perspective of the player, therefore as the game progresses, its information identification system will implement the automated response playing strategy based on the hand of the player, community card, position setting, player action analysis, stack, quantified attack action and other data and combined with the custom policy configuration parameters previously selected by the player. The Processing system matches the current game information with policy configuration system and then sends the matched information to the game execution system for automated execution.

Policy configuration system: The AIJ Platform policy configuration system consists of the following modules: policy parameter configuration module, weight configuration module and decision matching module.

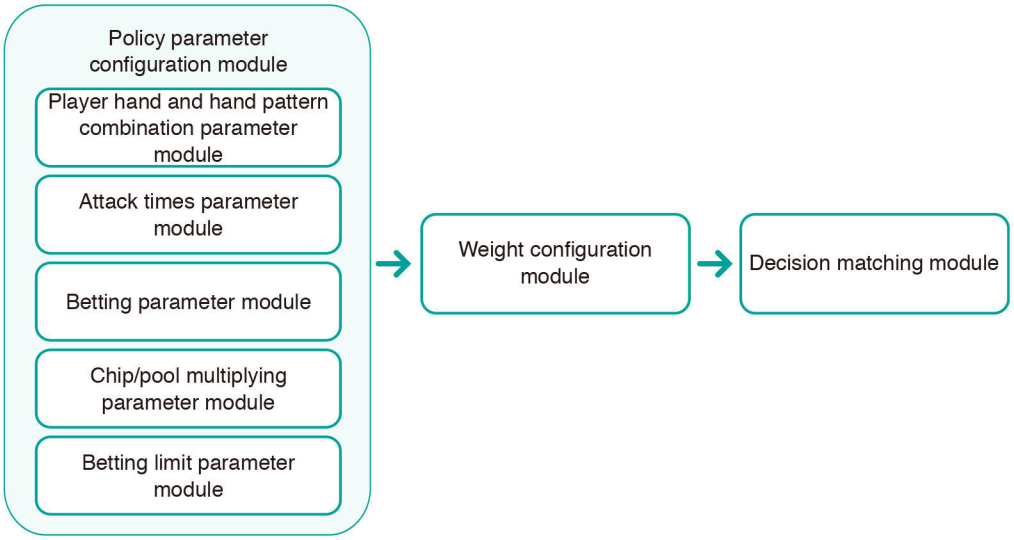


Fig. 3-2 Player policy configuration system

Strategy parameter configuration module consists of player hand and hand pattern combination parameter module, attack times parameter module, betting limit parameter module, chip/pool multiplying parameter module and betting parameter module. Player hand and hand pattern combination parameter module is used to set player status information, game process information, hand information, information matched with community card to form maximum card value, and combination information of hand pattern matched with community card. Player status information includes the stage of online poker game, such as pre-flop, flop, turn and river, and table position. Game process information includes various action information (excluding hand information) and community card information of other players. Attack times parameter module is used to set different strategies after different times of attacks from other players. Betting limit parameter module is used to set the betting limit. Chip/pool multiplying parameter module is used to set the interval value of multiplying between player chip and pool. Betting parameter module is used to set the chosen behaviours of the player, such as fold, call, check-raise, all-in, check and bet in the player hand parameter, attack times parameter module, betting limit parameter module and chip/pool multiplying parameter module.

Weight configuration module is used to set specific probability of parameter values of player hand parameter module, attack times parameter module, betting limit parameter module, chip/pool multiplying parameter module and betting parameter module and compute random number generation of betting parameter module.

Decision matching module acquires player hand information, attack times information, betting limit information, chip/pool multiplying information and betting information through information identification module to match with the parameter values of player hand parameter module, attack times parameter module, betting limit parameter module, chip/pool multiplying parameter module and betting parameter module set by corresponding player and generate policy execution information of current player, which is sent to game processing system to generate game execution information. Game execution module receives such game execution information to execute corresponding game operation

When the system automatically executes the strategy, the total percentage of the fold, call, check-raise, all-in, check and bet set according to the betting parameter module configured adds up to 100%, but the number of each fold, call, check-raise, all-in, check and bet is automatically executed based on the percentage generated via the system random number, but in each round of game, the ratio of fold, call, check-raise, all-in, check and bet is set as a percentage value.

The player sets the game strategy through player policy configuration system, and after detecting the game character of the current player the automated execution system receives and identifies the hand information and disclosed progress information. They are matched with player configuration strategy to generate game execution information, and game execution system automatically executes the game, which eliminates the trouble that the player needs to manually operate the game according to the game strategy and saves the game time.

Steps to execute the game strategy:

After the AIJ Platform starts up the network, the process that the system automatically executes the game strategy consists of:

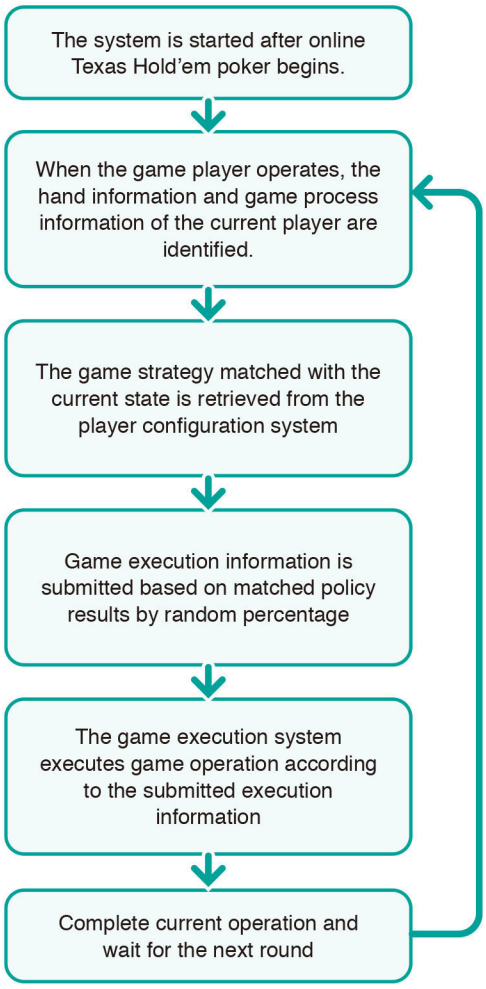


Fig. 3-3 Automated game strategy execution process

After the game begins, automated policy execution system is started; when the current player operates, the hand information and game process information are identified and acquired; the game strategy of the current game player matched with the hand information and game process information is retrieved from the player policy configuration system; game execution information is randomly generated through the execution result of the matched game strategy according to the randomised percentage pre-set by the player; the game execution system executes game operation according to the generated game execution information; completes corresponding game operation of the current player and wait for the next round of operation.

3.2.2 Strategy supermarket

Strategy supermarket classifies strategies into different categories and ranks each category of strategies, such as rank of winning rate and rank of bonus. In the strategy supermarket, users can be fully mobilised through the official incentive mechanism and players can achieve creation and balance of products.

Strategies in the strategy supermarket are mainly developed through the personal experiences of players combined with the big data acquired via the system AI analysis, which are also updated on a regular basis.

Players can not only consume in the strategy supermarket but also share their strategies. Any player can freely obtain the strategy shared by other players, and players who share strategies in the strategy supermarket can set the ratio of sharing for the winnings. Any player winning through the shared strategy needs to split the winnings according to the ratio set in advance by the initial player who shared the strategy (in the form of secondary smart contracts on the AIJ Platform).

This mechanism reduces the barriers of entry for new players, and many junior players who do not understand the rules can easily increase their win rate through leveraging on the shared strategies of other players.

According to the game principle of poker, the strongest strategy does not necessarily win, for the player cannot determine what strategy the opponent uses, and it also dependent on luck. Players who have good cards can win the game even with a lower ranked strategy.

Therefore, the rank of strategies is only effective in the cases of it being the singular determinant factor, but in reality, there is no single winning strategy. At the same time, considering strategic balance, the platform will incentivise the development of strategies that can defeat certain otherwise invincible strategies. The platform on a regular basis encourages players to challenge strategies with a high win rate and allows all players to work together to end the monopoly of current high win rate strategies. This total involvement also conforms to the decentralisation of blockchain, which helps avoid the long-term placement of specific strategic products in the high win rate list.

The platform will also push the monthly best winnings rank and highest win rate rank so that new strategies can be displayed more prominently, which avoids the disadvantages of comparison with historical total winnings rank and total win rate rank and gives players more choices of strategies to leverage on.

3.2.3 Game lobby

The AIJ Platform will set up various types of games in the Game Lobby, such as star strategy challenges that require no online players or online games that break the physiological limits of human and have no limitation on the number of players, and this type of games can directly highlight the advantages of AI control and the lack of necessity for manual operation. The platform of game lobby will also provide new players with a system template to quickly improve their rank. In addition, the game lobby will also set its derivatives according to the game, such as advanced teaching, game viewing and online small gifts.

3.2.4 Data analysis system

The big data system of the AIJ Platform online poker game platform records all the games that have been played, including all the game processes such as hand pattern, position, attack times and community card information. The AIJ Platform not only records such general information for players to trace previous games but also innovatively contains a hand pattern big data analysis system to provide players with win rate result data, which provides players with real data support to optimise personal strategies. It can also provide historical real data analysis report for a certain strategy, provide constructive suggestions based on the whole historical data for reference and research to improve the skills of players in offline poker games, and provide practical reference for optimised strategy.

3.3 Blockchain-driven game revolution

3.3.1 Anonymity based on blockchain technology

The decentralised operating platform of the AIJ Platform ensures the anonymity of players as token holders so that game participants can determine the existence of transactions through smart contracts and transaction records. Blockchain and smart contracts can ensure the anonymity and security of token holder, so the personal information of players will be encrypted, and the identifier code of each player is just a long string of unique characters in the entire chain so that no one knows the specific player behind this string. The anonymity here refers to the anonymous real-world identity of the player, but the unique string account representing the identity is made public so that all transactions of this account can be seen in the whole network.

Supported by reliable global legal advice, the AIJ Platform will implement the simplest registration process to avoid collecting redundant user data. The AIJ Platform registration will integrate the account login authentication of blockchain wallet, so the user will log on the AIJ Platform and the blockchain account with a single procedure. At the same time, the AIJ Platform will avoid collecting private data and encrypt the sensitive data during registration, which avoids privacy leaks from the data source. Most transactions in the AIJ Platform are conducted through smart contracts, and when a smart contract is activated, a transaction starts. Both the originator and receiver of the transaction are only represented by a long string of unique character account, so players can verify the authenticity of transaction and keep anonymous.

3.3.2 Verifiability of random seed

In order to solve the problem of unfair dealing of online poker, the AIJ Platform will use blocks to record each dealing and use relevant machine learning technology to identify the cheat. If the computer algorithm is used to detect the unfair behaviour of player, the detection system will be used to query team collusion or systemic fraud.

The random seed RNG can ensure the randomness of dealing in each game. When a game starts, a random seed will appear to generate a random number for shuffling. After the first card is dealt, a new seed is generated accordingly, and then a random number is generated for reshuffling before the second card is dealt. Before the game, each player will set their own strategy mode so that the AI robot will execute the game strategy. When the dealing is over,

each player can see all the cards for everyone in the chain but cannot change their strategy, which achieves an open and transparent dealing mechanism. Meanwhile, in order to prove that the cards for each player are random, the data written in the chain can be verified by everyone at the end of each game, and the chain contains the number of each game and random series (card number) generated via each seed. This method will not put all the data in the chain, so it technically reduces the invalid information recorded in the chain and increases the effective information (because the logic in the chain has been recorded, it can be verified) so that the dealing in each game is transparent and fair.

The verifiability of random seed is achieved after the seed provided by the player is recorded on blockchain. Each player provides a random seed to the AIJ Platform, and The AIJ Platform will generate a random series (card number) accordingly. The AIJ Platform will not control the generation of random seed but the player will decide.

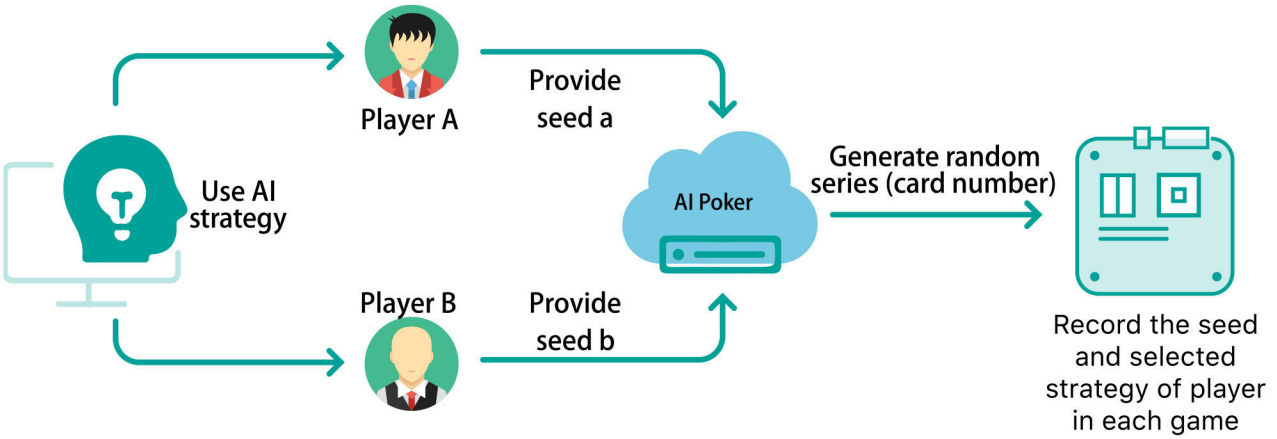


Fig. 3-4 Verifiability of random seed

Players can view their own random seeds and numbers on blockchain, and because different players control the generation of random seeds, cheating is avoided to a great extent.

3.3.3 Token economic advantage in the AIJ Platform

In the AIJ Platform, blockchain technology enables game scenarios to rewrite economic activities and production relationships. The AIJ Platform creatively builds an economic system in the platform in which game strategies can be commoditised so that players can achieve both consumer and producer identities in the production relationship within the AIJ Platform. Based on the community ecosystem related ideas of sharing and co-building, all the players contributing to the platform will obtain incentives, so they are not only participants of games but also spreaders and beneficiaries.

The player behaviours of playing, production and contribution within the platform will continue to generate value in the resource of the game cycle, and these will be rewarded with AIJ incentives. The community token AIJ is not only the token representative of various interests within the platform but also the kinetic energy of community operation.

The public ledger technology of blockchain ensures that the community token AIJ is fairly distributed. The platform reserves 50% of AIJ as community rights protection fund to ensure the players are able to receive incentives and associated benefits within the platform to ensure that the contributions of various contributors in the community can be redeemed.

The game scenarios and game ecosystem within the platform enrich the utility scenarios of AIJ, which enables it to have a solid base for utility value. This effectively drives the circulation of the community token AIJ in the external secondary market.

3.3.4 Transparency and account security of community token

Community token AIJ can circulate easily on major transaction platforms. The public ledger on blockchain can be used to easily query any transaction, balance and resource staking. Due to adequate liquidity and diverse channels, assets of players can be withdrawn at any time, which ensures the security of assets. Different from traditional platforms with unclear token reserves, the AIJ Platform keeps 50% of AIJ as a community rights protection fund that can be audited by anyone at any time on blockchain. This ensures the successful withdrawal of game winnings on AIJ platform and redemption of incentives for platform contributors. At the same time, all platform incentives are redeemed in AIG, and AIJ obtained by the player after redemption of contribution incentives may be transacted in independent secondary exchanges.

3.4 Innovative Grand Jackpot mechanism ensures the sustainable development of decentralised model

The innovative Grand Jackpot mechanism uses decentralised blockchain technology to create a decentralised model in a true sense. The Grand Jackpot mechanism of the AIJ Platform puts all the platform surplus into the Grand Jackpot, records the contributions of each AIJ holder and community member according to the smart contract and distributes all Grand Jackpot according to the contribution, which realises the decentralised model.

The great significance brought via decentralised blockchain technology is reflected in the rewiring of economic activities and production relations. Players can have dual identity of production relations within the AIJ Platform, for they are spreaders and beneficiaries of the game as well as stakeholders in the AIJ Platform. Through the Grand Jackpot mechanism, the AIJ Platform distributes incentives according to the contribution of platform participants, so that they are compensated for the value they have created and contributions to the platform. Meanwhile, under the community consensus, all the platform interests can be used to jointly create a community ecosystem that is democratic, open, credible and transparent with freely circulated value so as to achieve the sustainable operation of the community to meet the common needs of platform participants. Only a symbiotic platform and community can inspire the creativity of all participants and provide a truly decentralised model, which conforms to the core vision of blockchain to transform productive and economic relations. In the sustainable ecosystem development mode, the economic direction and future development of the community will be determined according to the consensus of platform participants.

3.5 Broad expansion prospects

After upgrading and optimising existing gameplay, the platform relies on the community power to continuously expand new gameplay and upgrade to better strategic AI to meet more gameplay needs.

The platform gradually realises the capabilities of an open AI game platform and opens and shares AI game ability, user system and financial system across the entire ecosystem, which encourages the community ecosystem to launch more AI games based on the open AI game platform to meet the needs of community players and provide endless fresh blood and power

for the long-term development of the community. This open game platform is decentralised, which facilitates other stakeholders in the ecosystem to jointly serve and prosper the community and share their winnings subject to the smart contracts.

The platform will gradually expand the payment and circulation capabilities of AIJ in other occasions so that it will become one of the most competitive and stable tokens in the market with the objective of bringing more financial opportunities to the platform.

5. Community token

5.1 The AIJ Platform token economic model

The AIJ Platform issues its community token AIJ as a support for the community economic model. AIJ can circulate in major exchanges. Players can use AIJ and other digital currencies to participate in platform games. The platform uses AIJ to pay for game related payments and incentives for platform contributors.

Traditional online poker games have complicated transaction and settlement, but blockchain technology brings a fast and credible settlement method for online poker. When players participate in the game, they do not need to transfer funds to the platform for management but directly use the platform token to participate in the game, and at the end of the game, the AI system will make automatic settlement. Throughout the process, players need not worry about the long transfer time, currency or other cross-bank restrictions, but on the contrary, they can hold the platform token AIG.

The design of the AIJ Platform token economy refers to the virtual currency economic model. Theoretically, there is always certain deviation between the market price and utility value of token on the virtual currency market, and the core of such deviation is the supply and demand relationship of token. If the token economic model focuses on liquidity (additional demand), then the digital token will have more consensus, and the currency of the token may have faster transaction and settlement, lower charge and more convenient payment. However, the liquidity of the token will give the holder the subconscious perception of consumption so that they will lack the motivation to hold such it for a long time.

Conversely, if the token economic model focuses on scarcity (controlled supply), then the token will be in greater demand. However, in situations of scarcity, users tend to hold the token for a long time rather than focusing on transactions so that its liquidity will be weakened.

Therefore, AIJ team is committed to designing an excellent token economic model to balance the value circulation system of the token.

The AIJ Platform issues AIJ as a community token for the participation in the platform and community activities and payment of incentives. The platform reserves 50% of AIJ as community rights protection fund that can be audited by anyone at any time on blockchain, which ensures that the platform has sufficient assets to provide incentives/winnings for users and contributors.

The AIJ Platform provides interesting and unique games and encourages players to actively participate. In addition, the platform recovers a certain proportion of AIJ as service fee, which forms a forward return path. All of recovered AIJ enters Grand Jackpot, which will be re-distributed to incentivise participation in the community.

The game scenarios and game ecosystem within the platform enrich the usage scenarios of AIG, which enables it to have a solid base of utility value. This effectively ensures that the community token AIJ has a robust circulation value in the external market.

5.2 Use case of token

The native digital cryptographically-secured utility token of the AIJ Platform (AIG) is a major component of the ecosystem on the AIJ Platform, and is designed to be used solely as the primary token on the platform. AIJ is a non-refundable functional utility token which will be used as the unit of exchange between participants on the AIJ Platform. The goal of introducing AIJ is to provide a convenient and secure mode of payment and settlement between participants who interact within the ecosystem on the AIJ Platform. AIJ does not in any way represent any shareholding, participation, right, title, or interest in the Foundation, the Distributor, its affiliates, or any other company, enterprise or undertaking, nor will AIJ entitle token holders to any promise of fees, dividends, revenue, profits or investment returns, and are not intended to constitute securities in Singapore or any relevant jurisdiction. AIJ may only be utilised on the AIJ Platform, and ownership of AIJ carries no rights, express or implied, other than the right to use AIJ as a means to enable usage of and interaction within the AIJ Platform.

Community token AIJ is the most important community medium in the ecosystem economic system of the AIJ Platform. AIJ can be obtained by players through digital currency exchanges. After entering the AIJ Platform, players can use AIJ to pay the game service fee, or participate in various community contribution activities to obtain contribution scores that can be redeemed into AIG. The platform classifies the user level based on the number of AIJ held by players and their contribution scores, and the players can participate in the game activities accordingly.

In the AIJ Platform, players use AIJ to participate in games and pay the game service fee, and the platform pays the game winnings in AIG. Players can use the game strategies for free, but the winnings won with the strategy must be shared with the strategy author (through secondary smart contracts). The consumption and payment behaviour of players in the platform community are all settled through the usage of AIG.

Users of the AIJ Platform and/or holders of AIJ which did not actively participate will not receive any AIJ incentives. AIJ is an integral and indispensable part of the AIJ Platform, because without AIG, there would be no incentive for users to expend resources to participate in activities or provide services for the benefit of the entire ecosystem on the AIJ Platform.

The contributions made by the player in the AIJ Platform are recorded on blockchain in a transparent and auditable manner. Players can share in the Grand Jackpot of the platform on a regular basis according to the proportion of their contributions. Players can also transact AIJ in the exchange at any time or withdraw it into their wallets.

5.2.1 Long-term usage of AIJ

AIJ can be transacted in different exchanges, so in the short run, its price fluctuates with market conditions. The AIJ Platform is a community-driven project, so in the long run, the utility value and market price of AIG is based on the utility value of the entire community platform, and users holding AIJ can benefit from the community and share in the benefits of the platform ecosystem. The long-term utility value and market price of AIJ is projected to increase as the shared platform utility grows.

First, game service fees are charged in AIJ and the corresponding locked AIJ enters Grand Jackpot. The platform incentivises community users with AIJ according to their contributions. More and more players redeem and hold AIJ and place it in the platform to obtain incentives, which increases AIJ locking and reduces circulation of AIJ in the market. As further use cases for AIJ are created and more scenarios are explored, AIJ long term utility value may increase.

The AIJ Platform puts all platform surplus (from fees) into Grand Jackpot based on the innovative Grand Jackpot mechanism, uses the smart contract to record the contribution of each AIJ holder and community member and distributes all Grand Jackpot according to the contribution so that the AIJ Platform participants can continue production and consumption. The continuously generated platform surplus a closed loop of circulation within the AIJ Platform, which realises the decentralised model and effectively supports the healthy, sound and stable development of token model in the AIJ Platform.

In particular, it is highlighted that AIG:

(a) is non-refundable and cannot be exchanged for cash (or its equivalent value in any other virtual currency) or any payment obligation by the Foundation, the Distributor or any affiliate;

(b) does not represent or confer on the token holder any right of any form with respect to the Foundation, the Distributor (or any of its affiliates), or its revenues or assets, including without limitation any right to receive future dividends, revenue, shares, ownership right or stake, share or security, any voting, distribution, redemption, liquidation, proprietary (including all forms of intellectual property or licence rights), or other financial or legal rights or equivalent rights, or intellectual property rights or any other form of participation in or relating to the AIJ Platform, the Foundation, the Distributor and/or their service providers;

(c) is not intended to represent any rights under a contract for differences or under any other contract the purpose or pretended purpose of which is to secure a profit or avoid a loss;

(d) is not intended to be a representation of money (including electronic money), security, commodity, bond, debt instrument or any other kind of financial instrument or investment;

(e) is not a loan to the Foundation, the Distributor or any of its affiliates, is not intended to represent a debt owed by the Foundation, the Distributor or any of its affiliates, and there is no expectation of profit; and

(f) does not provide the token holder with any ownership or other interest in the Foundation, the Distributor or any of its affiliates.

The contributions in the token sale will be held by the Distributor (or its affiliate) after the token sale, and contributors will have no economic or legal right over or beneficial interest in these contributions or the assets of that entity after the token sale. To the extent a secondary market or exchange for trading AIJ does develop, it would be run and operated wholly independently of the Foundation, the Distributor, the sale of AIJ and the AIJ Platform. Neither the Foundation nor the Distributor will create such secondary markets nor will either entity act as an exchange for AIG.

6. Development plan

Second quarter of 2024

Release of version 2.0 It promotes the breadth and depth of games, expands the gameplay, connects multiple application scenarios, further enriches and improves the user experience, and establishes a community with more than 1 million registered users who participate in the subsequent development planning and building of the game platform.

Fourth quarter of 2023

Release of official version The version is online for beta test, which supports 100,000 users online simultaneously. It optimises the data transmission performance of network, improves the high load capacity of server, and improves the transmission and storage of encrypted data of users, game interface and game flow based on real-time data as well as user experience.

Third quarter of 2023

Beta version It completes the configurations of all interfaces and parameters, optimises the performance, enhances the user experience, strengthens visual effects and achieves basic game functions to organise various matches and support 50,000 users online. There are 200,000 users in the community.

Second quarter of 2023

Alpha version It achieves the configuration of main game interface as well as main gameplay and parameters and can complete the main game flow. Users can configure their game strategies.

First quarter of 2023

Community version It includes community function and basic game interface. Users can view project updates through community function, obtain community token incentive and become involved in community building.

AIJ

WhitePaper

THANKS