

## **Introduction**

The [online gambling industry has exploded in recent years](#). With massive online access within most of the US, the gambling industry is quickly moving away from the proverbial Las Vegas, and into the living rooms of Americans.

As online gambling continues to burgeon, the need for a provably fair and verifiable system for players has continued to increase. Players want to participate in games that they can be certain are not rigged for their loss.

Correspondingly, the rise of blockchain technology has created a system that allows for trust, verifiability, and stability. By using technology to remove the middleman for verification, blockchain technology has made consumer fairness a reality.

**Quinto S.A.** is an online gambling site focused on offering patrons the option of provably fair and open betting structures within the lottery, bingo, dice, and scratcher categories.

Each game is structured as a 100 percent provably fair algorithm. Lottery and bingo-based games are 100 percent pari-mutuel. This unique structure offers the advantage of analysis and verifiability. Players select a game within the platform and place bets against the server.

## **Description of the market and the problem**

Gaming is becoming an increasingly popular activity at a global level. Simulation, role-play, puzzles, various strategy platforms, and eSports, to name a few, are being developed and successfully marketed to players of all types. Everyone from beginners to professional players takes advantage of these games, with people from all over the world engaging in the interactive gaming community.

Online games and specifically those with mobile device capability are the fastest growing market in the industry. With a projected value of \$80 billion by the end of 2020, online gaming is looking at doubling in worth over the span of four years.

One of the main factors that have played into this enormous and continued growth is the tremendous advances in technology over the past decade. Improved technology equals better games, and better games mean more players and more engagement from existing players.

Accessibility and connectivity have also advanced as a result of new technology. Games that were previously only open to solitary players, or otherwise felt individual in nature, even if they weren't, are now available in an interactive form.

One of the strongest features now open to the gaming community as a whole has been the proliferation of mobile applications, enabling gaming to take place from practically anywhere and at any time. Previously considered a desktop-only endeavor, gaming is now open to nearly everyone.

The growth and expansion of blockchain technology, specifically in the form of decentralized applications, or dApps, has been another huge boon to gaming. Previously thought of as a platform for payments and other financial services, the distributed ledger technology is now being broadly utilized for other purposes.

One of these purposes is online gaming. With virtual reality games, decentralized gaming payment services, gaming rewards programs, and other types of platforms being launched and optimized constantly, the field of gaming is making good use of cryptocurrency and blockchain technology.

### **Quinto: a comprehensive solution for online gambling**

Quinto has developed a provably fair gaming system in which players have the opportunity to enjoy a variety of games wherein winning is based entirely on odds, and completely verifiable.

Quinto players can enjoy a variety of games: Lottery, Dice, Scratchers, and Bingo. By hosting such a wide range of games, we will be able to attract a diverse group of gamers.

Our provably fair gaming system affords us the opportunity to offer significant Jackpots within our gaming platform. Our QuintoBTC Lottery will boast an attractive ₿500 guaranteed jackpot; Quinto Dice will entice players with its ₿100 guaranteed jackpot<sup>1</sup>; our Bonanza Bingo will offer a ₿1 guaranteed jackpot. Other guaranteed jackpots, of less than ₿1, are also up for grabs within our game options.<sup>2</sup>

The platform offers multiple provably fair solutions depending on the game type.

- Dice and Scratcher calculations are based on Server Seed, Client Phrase + nonce through SHA-256 or SHA-512.
  - As a result, players can request to change the Server Seed or change their Client Phrase following any gameplay, making the play truly random and provably fair.
- Bingo uses a predetermined hash - a Server Seed combined with a unique Phrase (game name, buy-in, game number, and the number of cards purchased) to produce a random, yet locked outcome.

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<sup>1</sup> Quinto Dice Jackpot payout is a calculated percentage based on wager amount and qualification. 100% of jackpot is based on a 10,000.00 bit (₿0.01) wager amount.

<sup>2</sup> ₿ represents Bitcoin Cryptocurrency

- Lottery results are based on an SHA-512 checksum on a file that contains all the picks within the lottery.

Quinto also offers a generous faucet reward of 1.00 bit (100 Satoshi) per faucet play, with up to three faucet plays every five minutes. There are 12 faucet plays per 24-hour period allowed, with no stacking or accumulating of faucets.

### **Funding for the Quinto S.A. ICO and Token Sale**

Quinto S.A. tokens [ticker symbol “**QSA**”] will be available as an Initial Coin Offering (ICO) as an ERC-20 Token on the Ethereum platform. However, Quinto requires Bitcoin to be used for funding; exchange rate is  $\text{฿}0.00125 = 1 \text{ QSA}$  or  $(\text{฿}1.00 = 800 \text{ QSA})$ . The ICO is designed to raise the necessary funds in order to offer appropriate jackpots within the Quinto gaming platform. QSA Tokens **DO NOT** represent ownership (security) in Quinto S.A. nor does the tokens generated have a utility function within the platform. Token holders and Quinto S.A. agree that the [QSA Token Holder Prize Contract](#) is a legal and binding contract between the two parties.

The team is using 20% of the total raised for administration, marketing, and insurance. Insurance will be purchased for the initial QuintoBTC Lottery Game to ensure that there is no risk to token holders (Sponsors) during the first drawing. Should a premature jackpot occur, the insurance would cover the jackpot total, thereby protecting the Sponsors. On any QuintoBTC Lottery drawing, there is a 3.358% liability risk for Sponsors, should the jackpot hit prematurely, prior to the probability outcome being reached.

The remaining 80% of funds generated by the ICO will be put in a Bitcoin Cold Wallet escrow account ([1QSA1G8VhAbUNrx65vLnhRqQZrnB4Fw6P](#)). These funds are held to guarantee that if a jackpot is hit prior to the probabilities being reached, funds are available to pay out the jackpot winner(s).

Based on the successful completion of the ICO, a 15%<sup>3</sup> fee is levied on all Jackpot pools to reimburse Sponsors for their escrow holdings. When a player makes a wager within the QuintoBTC Lottery, 35.1% is earmarked for the Jackpot, thus rapidly reducing the Sponsors’ potential liability (54.9% of the player’s wager goes toward secondary prizes).

The Quinto S.A. ICO is tentatively scheduled to begin on 24 February 2019 for pre-orders and is slated to run a span of 10 weeks, during which time investors will have the opportunity to purchase the 1 million tokens being released<sup>4</sup>.

The ICO will be conducted in a standard staged format. There will be four separate purchasing periods, each with a corresponding buy-in bonus structure which is based on the number of

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<sup>3</sup> Actual fee is calculated by (tokens issued / token available) \* 15%

<sup>4</sup> 200,000 Tokens are to cover bonuses

tokens purchased. Rather than conducting a pre-sale, the timeframes will be divided simply into Stages One, Two, Three, and Four. However, sponsors can pre-order tokens as they will be processed upon the opening of Stage One.

**Stage One** will begin with a minimum purchase of 20 tokens (฿1.00 = 800 QSA). All purchases will receive a 25% bonus. Stage One is scheduled to run until 06 April 2019.

Quinto ICO will have a soft cap of 25,000 tokens and if this minimum number of tokens is not sold, the ICO will cease, and all funds will be returned to the Sponsors<sup>5</sup>.

<b>QSA TOKEN SALES SCHEDULE</b>					
<b>Stage 2</b>		<b>Stage 3</b>		<b>Stage 4</b>	
07 April - 04 May 2019		05 May - 18 May 2019		19 May - 01 June 2019	
Qty	Bonus	Qty	Bonus	Qty	Bonus
<b>1 - 19</b>	<b>10.00%</b>	<b>1 - 19</b>	<b>5.00%</b>	<b>1 - 19</b>	<b>None</b>
<b>20-99</b>	<b>15.00%</b>	<b>20-99</b>	<b>10.00%</b>	<b>20-99</b>	<b>5.00%</b>
<b>100-249</b>	<b>20.00%</b>	<b>100-249</b>	<b>15.00%</b>	<b>100-249</b>	<b>10.00%</b>
<b>250 +</b>	<b>25.00%</b>	<b>250-999</b>	<b>20.00%</b>	<b>250-999</b>	<b>15.00%</b>
		<b>1000 +</b>	<b>25.00%</b>	<b>1000-4999</b>	<b>20.00%</b>
				<b>5000+</b>	<b>25.00%</b>

Stage Two is scheduled to run for a four-week span, from 07 April 2019 to 04 May 2019. During this stage, buyers at every level will have access to bonus opportunities. Participants who purchase 1-19 tokens will be rewarded at 10%. Those who purchase 20-99 tokens receive a 15% reward. Purchasers of 100-249 tokens will get a 20% reward. A reward of 25% will be issued for any purchase of 250 tokens or over.

Stage Three begins 05 May 2019 and runs for two weeks, through 18 May 2019. The reward system is somewhat differently weighted. Participants who purchase 1-19 tokens will be rewarded at 5%. Those who purchase 20-99 tokens receive a 10% reward. Purchasers of 100-249 tokens will get a 15% reward. A reward of 20% will be issued for any purchase of 250-999 tokens. Purchases in excess of 999 will receive a 25% reward.

<sup>5</sup> Subject to transaction fee charged by the blockchain.

Stage Four begins 19 May 2019 and also runs two weeks, through 01 June 2019. The reward system is again differently weighted. Participants who purchase 1-19 tokens will receive no reward. Those who purchase 21-100 tokens receive a 5% reward. Purchasers of 100-249 tokens will get a 10% reward. A reward of 15% will be issued for any purchase of 250-999 tokens. Purchases of 1000-4999 will receive 20%, and 5000 or more tokens will receive 25%.

## **The Quinto S. A. Team**

### *Mr. Steven Swanson, Founder, and CEO*

Steven, founding and managing partner of Quinto S.A. ("Quinto"), is an expert on games of chance and brings over 30 years of experience, knowledge, and momentum to the Quinto team. His extensive background in mathematics and previous work as an IT engineer and software developer have proven to maximize the efficiency of Quinto's gaming operation.

Steven began his 13-year career at Boeing while still in high school. Boeing, recognizing his potential, subsidized his continuing education in programming, information technology, and advanced mathematics. He was subsequently promoted because of his programming and mathematical skills from quality control to IT manager.

Steven formed Pari-Mutuel Gold, Inc. an online gaming company in 1996 leading as President and CEO, which allowed him the opportunity to gain valuable experience that he would use in designing Quinto's revolutionary gaming technology. Steven was successful in developing the #1 bingo site during 2004-2006, which generated over \$50 million in wagers.

Steven's interest in Bitcoin was sparked in 2012. He has since has learned more about integrating blockchain and provably fair gaming. In recent years, Steven had to take several year hiatus from the Quinto project to focus on his ailing parents but now is able to direct his focus fully on success Quinto gaming operation.

### *Lead Mathematician and Statistical Scientist*

Quinto S.A. is fortunate to retain a highly respected professor on our staff who is a leader within the field of Mathematical Sciences. S/he brings over 25+ years of expertise to our team. Their statistical theory and methodology, alongside billions of simulated tests on every game, aids us in guaranteeing the accuracy and fairness throughout our games.

Due to legal obligations, we are regrettably unable to reveal the name of this distinguished team member or the institution where employed.

### *Stephane Deuvaert, Lead Web Developer*

With 13+ years app and full stack web development including front-end UX & OO PHP 7, Stephane's high tech web development background is an asset to the Quinto S.A. team. He additionally contributes a love and optimism for people and humanity, which shines through incremental or transformative changes in even small aspects of people's lives, thereby

enhancing productivity and boosting the effects and ultimately the product of work. He has built a well-functioning team that learns from itself and strives with honesty and passion, delivering ongoing 12 years teaching and training combined with conflict resolution & community development throughout the team, effecting a cohesive outcome.

## **Quinta S.A. roadmap**

January 2019

- Start development of web-interface for games

February 2019

- QSA ICO Tokens Introduced

March 2019

- QSA Token Sales Begin
- Launch Dice game (100 BTC Jackpot)

April 2019

- Launch Scratcher game
- Launch Bingo games

May 2019

- Secure Lottery Insurance (\$5,000,000 or ₪1000.00)
- Launch Lottery games (2-month purchase window for QuintoBTC Lottery)

June 2019

- QSA Token Sales End
- Start development on a mobile interface

July 2019

- First QuintoBTC Lottery Drawing with \$5,000,000 guarantee (05 July 2019)

September 2019

- Release mobile version of games

### **Disclaimer**

The purpose of this white paper is to familiarize potential sponsors with the Quinto S.A. concept, including platform and vision. Individuals who are interested in joining the community during the ICO period can refer to the white paper as a first look at the Quinto gaming technology. It is neither a contract nor a guarantee of participation in the Quinto concept or its community.

ICO participation is inherently risky and should not be viewed as a safe or certain activity. It is possible for experienced professionals and beginners alike to experience a partial or complete loss of their original contributions, and profitability is never a guarantee.

