

# I.P.S.

## Whitepaper

*The world's best Bill Payment System  
and Cryptocurrency Exchange*



## Initial Coin Offering (ICO)

\* 2018 \*

Version 1.1

# Who we are?

IPS is the first decentralized bill payment project and a universal e-commerce gateway of its kind on the blockchain designed to provide reliable and safe transactions between multiple parties.

# What do we do?

IPS is a decentralized bill payment project. It is designed to provide reliable and safe transactions between multiple parties. The IPS aspires to adapt their blockchain technology to fully serve the different needs of different types of businesses. IPS will completely change customer’s perception of bill payments and e-Commerce solutions.

IPS will serve the needs of various clients in different environments. The **IPS-App** is our exclusive worldwide bill payment system that will make sending or receiving payments globally swift and easy. IPS will be providing solutions to individuals and businesses enabling them to accept most commonly used cryptocurrencies or **IPS-Token** for buying as well as selling products on their e-commerce websites, settlement of transactions, and payment of bills including utilities such as telephone, gas, electricity, rent, and student loan, credit cards, mortgage, etc.

The payment platform (**IPS-App**) will integrate various other platforms being used by websites and mobile Apps for accepting the topmost popular and trusted cryptocurrencies being used on the web and transmitting the funds to the seller or intended payee (P2P) in a cost-effective and time efficient manner.

The **IPS-Token** is our Utility token. It will operate in a fashion similar to Bitcoin, Ether, or Litecoin. The **IPS-Token** will be based on Etheruem smart contract. Like any other cryptocurrency, it can be traded, transferred peer to peer (P2P), or exchanged on major cryptoexchanges.

The **IPS-Exchange** will be the new and efficient cryptocurrency exchange. It will allow clients to use about 50 of the most common and trusted cryptocurrencies. Utmost user security is our top priority.

<b>Name</b>	:	<b>IPS Token</b>
<b>Symbol</b>	:	<b>IPS</b>
<b>Platform</b>	:	<b>ERC20 “Ethereum”</b>
<b>Total Supply</b>	:	<b>50,000,000 IPS</b>
<b>Total Sale for ICO</b>	:	<b>30,000,000 IPS</b>

**Keywords:**

Blockchain, smart contract, Ethereum, IPS, trading, asset, tokenization, price-discovery mechanism, decentralized, peer-to-peer (P2P), IPS-App, IPS-Token, IPS-Network, IPS-Gateway, IPS-Exchange

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# 1. Introduction

**IPS** is the first decentralized bill payment project of its kind on the blockchain. It is designed to provide reliable and safe transactions between multiple parties. It will allow clients to use about 50 of the most common and trusted cryptocurrencies. The IPS is well aware that not all businesses are alike and all clients' needs are also different. The IPS plans to offer a platform (**IPS-App**) that can serve the needs of various clients in different environments. IPS aspires to adapt their blockchain technology to fully and satisfactorily serve the multifarious needs of diverse users, whether businesses or individual sellers or consumers. The IPS will provide payment transfer system on a Peer-to-Peer (P2P) basis between businesses and customers, between utility service providers and their customers (B2C), and between business to business (B2B). The IPS aims to facilitate businesses as well as its users in accepting different cryptocurrencies available at current time so that they can develop a large client base with the ability to accept several loads of payments. IPS will completely change the perception of bill payments for customers.

Our decentralized application platform (**IPS-App**) will bring together various technologies as well as businesses. The IPS will serve the needs of various clients in different environments. The **IPS-App** is our exclusive worldwide Bill Payment System that will make sending or receiving cryptocurrencies globally easy and swift. IPS will be providing solutions to individuals and businesses enabling them to accept most commonly used cryptocurrencies or **IPS-Token** for buying as well as selling products on their e-commerce websites; settlement of transactions; and payment of bills including utility, telephone, rent, student loan, credit cards, gas, electricity, mortgage, lease, supply-chain industry, HR systems, project management, product and services management, information technology, gaming, social media among other things available to the internet users, etc. The **IPS-App** will attract customers from all strata of society as well as different regions of the world. Moreover,

- Providing hassle-free, low cost, and secure method for paying for product and service purchases as well as paying for bills
- Providing a facility for using different trusted cryptocurrencies
- Providing a bill payment and value transfer system on a global level thereby making it an easily available alternative to traditional payment methods

At IPS, we believe the blockchain is a very exciting technology and it offers tremendous opportunities for making processes more efficient for creating new markets and changing existing markets. The IPS aspires to make blockchain technology a household name and mystery-free for the online community worldwide. The IPS is committed for developing and providing a payment solution that will accept multiple, widely-accepted cryptocurrencies to complete e-commerce transactions in a secure, fast, efficient, and easy-to-use manner.

Our aim is to facilitate individuals and businesses in conducting their transactions whether it is for purchase of products/services or providing products/services around the globe. We want to ensure that everyone is an equal player and opportunities are available to every individual and business. Making the global market accessible to all is our vision.

**IPS-App** will use decentralized and self-verifying payment methods. Using algorithms, the platform will be designed to ensure secured transactions whereby the system will only be accessible through encrypted browsing. Transactions will take place through the most advanced safety measures, such as:

- encrypted messaging
- anonymous trading
- uniquely designed algorithm
- fast and secure confirmations
- secure addressing system

The **IPS-App** will be secured and users will not be needed to reveal their private key. Unlike conventional payment platforms, the **IPS-App** will require users to sign in using their private keys, which will act as an analogous action for a specific public address. These addresses will be verifiable by all parties involved in the blockchain transaction, thereby automatically executing and completing a transaction.

**IPS-Token** is an ERC20-based utility token. It will operate in a fashion similar to Bitcoin, Ether, or Litecoin. The **IPS-Token** will be based on Ethereum smart contract. Like any other cryptocurrency, it can be traded, transferred peer to peer (P2P), or exchanged on major cryptoexchanges.

The IPS payment system (**IPS-App**) and wallets named **IPS-Pay** (web as well as mobile) will form a highly propitious payment industry solution by integrating the advantages of trusted cryptocurrencies and circumventing the problems and disadvantages of traditional payment platforms and current blockchain systems. The IPS will continue to evolve through its products and business implementation methods.

The **IPS-Exchange** will be the new and efficient cryptocurrency exchange. It will allow clients to use about 50 of the most common and trusted cryptocurrencies. Utmost user security is our top priority.

The IPS plans to institutionalize a peer-to-peer (P2P) encrypted instant messaging system (**IPS-Message**) based on algorithms for ensuring security and privacy during payments and wallets transactions. The encryption used will maintain complete security and anonymity so that user information remains completely confidential and is safe from being hacked or being viewed by someone else other than the actual parties to a blockchain transaction. IPS-Message will provide many services including P2P chat, calendar, alerts, in-chat payment facility, invoice and product management, order tracking, merchant solutions, product tools, quotes, detailed pricing, listing management, reviews, quotes, job broadcast, multi-user jobs, etc.

At IPS, we understand that transparency is the key to success. Hence, we plan to execute highest standards of ethical business conduct, the best business practices for merchants, compliance with applicable laws and regulations for all users and accountability throughout payment management, financial management, and code management.

## 1.1 Core Features

The **IPS-App** will be a fully featured marketplace of peer-to-peer (P2P) services that consists of iOS and Android apps and a beta web-app. IPS will take all steps necessary to make their users' experience different and better than other payment gateways and platforms present on the blockchain.

- (1) Clients will be able to load their **IPS-Pay** (Wallet) with **IPS-Token** as well as many other cryptocurrencies.
- (2) Clients will be able to instantly connect and pay for services (locally and globally) with a nominal fee. IPS will support most P2P services with an emphasis on digital services.

- (3) Clients will be able to use **IPS-Token** for their skills and services. Clients can spend **IPS-Token** in the **IPS-App** or exchange it and send it to an Ether/Bitcoin wallet.
- (4) **IPS-Message** will provide many services to its clients including P2P chat, calendar, alerts, in-chat payment facility, invoice and product management, order tracking, merchant solutions, product tools, quotes, detailed pricing, listing management, reviews, quotes, job broadcast, multi-user jobs, etc.
- (5) Clients will be able to freely advertise their skills and services to a micro-local and global marketplace or pay a small monthly subscription for enhanced featured status.

**IPS will be liked by its  
clients based on its  
merits**

## **1.2 Know Your Customer (KYC)**

For any business to stay viable and ahead of the competition it is important in today's financial ecosystem to have extremely fine KYC measures in place. IPS aspires to provide a platform that is secure and decentralized having efficient mechanisms that will collect, validate, store, share, and refresh KYC information. By virtue of using blockchain technology, we plan to have a safe, secure and scalable infrastructure for handling customer information. IPS will digitize all corporate KYC information in an effort to preserve authenticity and accuracy, providing greater flexibility for query and analysis of the data. This will enhance transparency and trust through technology and reduce the risk of anti-money laundering (AML) and will help ensure client confidentiality and protecting our clients' assets, as well. Having an efficient KYC system will enhance customer experience while completing mandatory processes and minimizing duplication to obtain harmonized KYC information that will result in operational savings and reduction of operational risk, thereby pushing IPS ahead of competition.

**Book and pay your restaurant  
with IPS-Token**

**I am in.**

**How about you?**

## 2. Design and Concept

### 2.1 What is blockchain and why is it important?

Since the advent of the Internet, the TCP/IP protocol has been the most widely used means for communicating information globally. However, now there are many (the Bitcoin, Ethereum network, etc.) Since, the introduction of Internet there is more diversified means for interaction and communication between individuals, institutions, products and services, and as a result digitized and tokenized information is in high demand.

With the growing needs of the society, information sharing does not suffice. There is a great demand for transfer of digital payments and value from peer-to-peer (P2P). The way internet works any transfer of payments and value involves third parties. Changing times now necessitate that financial transactions and economic value transfer take place without the involvement of third parties. The Bitcoin network provided the first P2P Value Transfer Protocol (VTP).

The world has become a global village. Every year the number of companies offering their products and services online is increasing. Industries such as finance, insurance, education, commerce, healthcare, travel and leisure, and many others, want to look for new customers worldwide and aspire to serve existing customers in a better way by moving towards digitization.

IPS is a solution that will address the needs of today's online businesses and individuals, who wish to transact online. IPS will use the blockchain ecosystem to fulfill these needs. This system is decentralized and value transfer can take place between two parties, known as "peer-to-peer value transfer" foregoing the need for a third party to be involved.

The value transfer takes place without a need for prior relationship for building trust. The transfer transaction can be reviewed by every participant in the transaction. This method of value transfer was announced to the world by Satoshi Nakamoto in 2008. He established the Bitcoin network which he described as "A Peer to Peer Electronic Cash System". Slowly but steadily this system has gained momentum and now governments in Europe as well as other regulatory authorities in various parts of world are proposing regulations and parameters within which this system can be used by online entities for offering their products and services and receiving payments in return for these products and services. This regulatory framework will end uncertainties and boost the confidence of entities wishing to engage customers online.

IPS is keeping itself up-to-date with all the latest rules and regulations being put in place and aims to take full advantage of these to establish themselves as a leader in P2P payment transfer provider. And the timing could not have been more right.

## 3. Our Vision

IPS envisions itself as a facilitator for the development of the global blockchain community. Using real world applications IPS will develop an enhanced platform (**IPS-App**) that will integrate virtual currency in real life. By working and cooperating with other blockchain communities and developers, IPS will make cryptocurrency payment transfers swift, real-time, hassle-free, and final. IPS endeavors to make cryptocurrency transactions the norm rather than an exception for various industries namely, finance, education, insurance, healthcare, manufacturing, distribution, leisure, travel, utility services, etc. IPS will develop and provide P2P value transfer in a secure and real-time environment thereby distinguishing themselves from other available payment transfer systems currently available on the blockchain that require proof of security.

### 3.1 Technology at IPS

At IPS, our focus is on developing a reliable payment system that is state-of-the-art and in-sync with the latest platforms available to the blockchain network. Our team comprises of highly professional and skilled technology developers, who have the capability for enhancing user experience.

Being part of an open source community gives IPS the advantage of developing and creating applications with unlimited independence on the blockchain. This allows IPS to integrate data through conceptualization and technical innovation both on-chain and off-chain.

### 3.2 Developing Business

IPS foresees the **IPS-Token** as the trusted currency of the blockchain. It is of utmost importance to IPS to develop a sustainable ecosystem that will provide solutions to individuals, businesses, and other entities for fewer fees while enjoying the full benefits of an open source payment platform. IPS will ensure that its partners will be able to develop their businesses using our technologically advanced payment system making their customers happy because of reliability and ease of use when they transact through our platform.

## 4. The IPS

### 4.1 Objectives

The IPS aims to provide a decentralized payment solution to its users. IPS users will be able to offer their products and services by accepting trusted cryptocurrencies from other users, who choose to pay using cryptocurrency. Users will also be able to use their cryptocurrencies for making payments on their utility bills on the universal level. IPS will accept users' various cryptocurrencies and make payments to the other service providers in the currency acceptable to them. No matter where they are located in the world. Moreover, users will have the flexibility of scheduling their bill payments and also making partial payments on their bills if using more than one type of cryptocurrency.

### 4.2 Current Market

Presently, there are many payment gateways available that deal in traditional currency. There are many small and big companies that use these payment gateways for purposes of collecting payments in return for the exchange of goods and services in their stores and on their websites. However, there are a number of issues that make these gateways unappealing. Customers purchasing or paying using these gateways face a number of problems. For example:

- Sending payments overseas is risky
- High payment transfer fees
- No compliance with KYC
- Involvement of third parties such as banks
- Time-consuming and slow
- System is vulnerable to hackers
- Payments may get frozen sometimes, if not in accordance with banks terms and conditions
- Account set up is costly, followed by high fees
- International boundaries and limits for certain geographical regions
- Loss in value of asset due to exchange rates

The **IPS-App** will overcome these problems and offer innovative features that will make it more convenient, secure, faster, and easier-to-use than traditional payment gateways. All of this, coupled with low international and local transaction fees. **IPS-App** will provide the most benefits for the least amount of time, effort, and cost.

### 4.3 How the IPS Works

Functionality of the existing payment industry is limited by several constraints and purposes. The IPS aims at improving the payment industry significantly by using the **IPS-Token**. **IPS-App** revolves around an innovative conceptual framework that will modernize the payment system making it state-of-the-art.

Our payment platform will be the best payment solution based on blockchain that is secure and fast. The IPS will provide an automatic payment confirmation that is based on a self-executing smart contract. This system will confirm payment on both the sender and receiver sides. It will assure the maximum autonomy, safety, security, speed, and finalize the transaction. No manipulations shall be possible.

Since the IPS App will use intelligent smart contracts and is designed to maintain and prohibit users or any hackers from increasing self-allowance, there is no risk of extra payments more than what is in the user's wallet.

IPS follows P2P payment method, whereby an individual sends payment to another individual or entity directly without involving any third-party services or bank or government or any other agencies.

## **4.4 IPS-App**

IPS will introduce a blockchain-based payment gateway compatible with the most commonly used and trusted cryptocurrencies as well as with traditional currencies such as the USD, EUR, GBP, CAD, etc.

Merchants and service providers can name any currency they want to accept and buyers and customers can choose to pay using any currency they wish to pay in. The **IPS-App** will allow the two parties to initiate and complete a transaction involving value transfer for a minimal fee charged in **IPS-Token**.

### **4.4.1 Target Markets**

The core of **IPS-App** is an Application Program Interface (API) linked to the blockchain-based platform of smart contracts. The real advantage of the API lies in its custom-tailored use of OASIS Universal Business Language (UBL) version 2.1. These documents are globally standardized as ISO/IEC 19845:2015. This innovative technology ensures security and immutability for smart contracts on the blockchain that will boost our customers' confidence.

In summary, the **IPS-Token** platform is the best solution for small and large enterprises as well as for individuals.

### **4.4.2 Service to Entrepreneurs**

When it comes to minimizing business expenses, entrepreneurs will benefit the most by using the payment solution provided by the IPS. A small business is always looking for ways to get the most for the least amount of expense. Whether it is payment of wages, invoices for products or services or utility bills, businesses can make payments in a quick manner anywhere in the world at a very low cost. There's no banking red tape or delays. By using the **IPS-App** entrepreneurs can expand their customer base globally by virtue of IPS's quick, easy, and cost-effective money transfer system and by giving the customer the flexibility to pay using any one of the trusted and commonly used cryptocurrencies.

### **4.4.3 IPS-App for e-retailers and businesses**

Online businesses can take advantage of the **IPS-App** and its various components made for smart phones. This will not only increase their sales but also boost business growth internationally.

#### 4.4.4 Global Payments - No boundaries

The IPS merchant services will offer businesses around the globe the ability to conduct their business using the **IPS-Token** alongside other cryptocurrencies and traditional currencies. Businesses will have greater potential for growth, given the flexibility of being able to accept cryptocurrencies; and converting them to traditional currencies, when needed. **IPS-App** and **IPS-Exchange** will be available to merchants for as low as 0.25% transaction fee. This translates into 90% savings over existing traditional merchant services.

IPS will offer zero-fee as an incentive to those merchants that will bring them onboard the **IPS-App**. Special promotions on transaction processing will be given to new merchants to drive **IPS-Token** denominated payments at online (e-Commerce) stores and businesses.

The **IPS-Token** can also be used for sending payments to any individual or entity: whether, locally or internationally, money transfers are often time-sensitive. The receiver is in need of funds and, generally, waiting impatiently. The **IPS-Token** is an excellent vehicle for this value transfer which only takes a few seconds at the most. The sender accesses his/her web or mobile wallet (**IPS-Pay**) and sends **IPS-Tokens**. The receiver is notified instantaneously and funds can be withdrawn in the currency of their choice for their use. Borderless payments are that simple!!! Faster, hassle-free, no bank fees, no bank delays . . . smiles all around!!!

The **IPS-App** is dedicated to the online IPS economic community where users are comfortable transacting in **IPS-Token**, other cryptocurrencies as well as traditional currencies.



#### 4.4.5 IPS Application Programming Interface (API)

An API is a set of definitions, protocols, sub-routines and tools for building application software. It is a set of clearly defined methods of communication between various software components. An excellent API is an asset for a programmer because it makes developing a computer program a breeze by providing all the building blocks.

The **IPS-App** is based on a powerful API that will greatly aid developers in using different technologies for developing applications. For example, the **IPS-App** API will make it easy for our customers to integrate our API with their website or software. This will allow our customers to connect with their customers, employees, suppliers, etc. and create invoices or make payments in a fully automated environment. Our API will take a big load off your shoulders.

#### 4.4.6 Checking-out

The **IPS-App** will give merchants the capability of receiving payments for products sold on their own website without having to use a bank or any other similar institution.

#### 4.4.7 Cash Free Travel

In near future, you will be able to travel the world without the need to bring along your cash. No more worries about losing your cash or cash being stolen. No worries about foreign exchange rates or limits on how much cash can you bring. You will be able to use your **IPS-Pay** (Wallet) having **IPS-Token** in it. You'll have access to your cryptocurrency and your traditional currency for any expenses or purchases that you need to make.

#### 4.4.8 Daily Expenses

Take care of your daily financial needs within seconds. Make payments or receive funds. Anywhere, any place, any time; fast, simple, hassle-free, and low cost.

#### 4.4.9 Bills Payment Transfer

With the **IPS-Token** you can pay for your utilities anywhere in the world. For example, home rent, car rental, cellphone, credit card payment, travel expenses, mortgage, insurance, student loan, etc.

#### 4.4.10 IPS-Token Transactions and Processes

- a) *Data Exchange:*  
With fast data exchange, suppliers and customers, get instant updates regarding their products and services. This reduces duplication of data, time spent for data entry, and status enquiries.
- b) *Payments:*  
**IPS-Token** gives you the ability to pay using your cryptocurrency and/or traditional currency to settle any payment obligations instantly.
- c) *Enhanced payment options:*

**IPS-Token** can help prove payments giving you security.

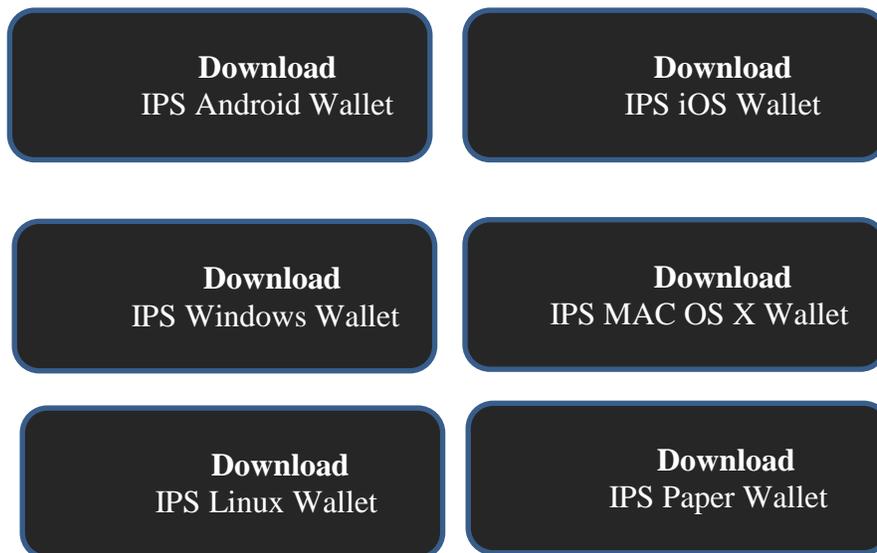
d) *No need for any banks:*

**IPS-Token** transactions will be between parties directly. There will be no need for banks. Hence, the term "decentralized"!

## 4.5 IPS-Pay (Wallets)

IPS will develop Web-wallet as well as Mobile-wallet in accordance with the needs of today and will be called **IPS-Pay**. It will be:

- Designed specifically for peer to peer (P2P) transactions
- Hold multiple addresses in a single account
- Send and receives IPS-Tokens within a second



*In order for IPS-Token holders to take advantage of all of our security features they must download our wallet.*

### 4.5.1 IPS-Pay Features

- **IPS-Pay** will be 2FA security enabled
- **IPS-Pay** data will directly be connected to Ethereum blockchain network making it secured and transparent
- **IPS-Pay** will be an easy-to-use web wallet interface
- **IPS-Pay** is designed to receive important notifications on time through email

### 4.5.2 Send and receive tokens with ease

The IPS browser-based web wallet will be fast and secure with advanced security algorithms that will make sending and receiving **IPS-Tokens** to an individual or merchant for online payments and other transactions fast and easy.

### 4.5.3 IPS-Pay (Web Wallet browser compatibility)

The **IPS-Pay** (WebWallet) will be supported by a majority of the current web browsers that are used by online users such as Safari, Google Chrome, Microsoft edge, Mozilla Firefox, Opera, and many other web browsers.

### 4.5.4 One-step Access

Logging into your **IPS-WebWallet** will require only one step. This feature integrates a two factor authentication security procedure that makes it foolproof against the possibility of account theft.

### 4.5.5 Secure and stable connection

The IPS blockchain, based on the Ethereum network, is active and fully functional all the time running with all security measures and features in place.

### 4.5.6 Easy transactions

Send and receive transactions with a single click.

## 4.6 The IPS-Token

**IPS-Token** is completely dependent on the fast, secure, and smart Ethereum network. It is an ERC20 token and is configured to follow all security principles of ERC20.

Cryptocurrency is a relatively new field. More and more people are learning and using digital currency every day. Any person wishing to deal in cryptocurrency must sign up with an exchange and fund their account. An important thing to remember is that one should use and manage more than one token to hatch the time for different types of tasks.

### 4.6.1 IPS-Token Description

The **IPS-Token** is a utility token. **IPS-Tokens** do not represent or confer any ownership right or stake, share, security, or equivalent rights, or any right to receive dividends, other payments, intellectual property rights, or any other form of participation in or relating to the project described in this white paper and/or in IPS or any of its affiliates.

## 4.6.2 Functions of IPS-Token

The functions and uses of **IPS-Token** are as follows:

- Providing payment transfer system on a Peer-to-Peer (P2P) basis, between businesses (e.g., utility service providers) and customers (B2C), and between businesses to business (B2B), e.g. wholesaler to retailer.
- Providing a secure and low-cost method for payment for various product and services
- Providing a hassle-free system for using the most trusted cryptocurrencies as well as allowing to splits payment between various trusted cryptocurrencies
- Provide a bill payment and value transfer system on a global level thereby making it an easily available alternative to traditional payment methods

## 4.6.3 Token Allocations and Supply

People and entities dealing in digital currencies either purchase it or sell it. Both types of dealings lead to increasing the value of any particular currency that is being used.

IPS is privileged to offer a custom token and a payment solution that is designed specifically for the global P2P payment industry. The IPS is unique in its customization that ensures a very promising future for the **IPS-Token**.

**IPS-Tokens** will be available for purchase in the public ICO during the first to the last phase of ICO. Funds collected through the Pre-ICO stages will be used for infrastructure development, office set up, research and development, reward programs, and related pre-launch activities.

During the second phase, the **IPS-Token** will be available in public for all users to buy. Once the ICO is over, the holders of **IPS-Token** will be able to sell, trade, or hold the **IPS-Token**. Sale and purchase of the **IPS-Token** will be hosted on leading exchanges. Users will be kept up-to-date with more details through regular newsletters.

## 4.6.4 Payments and Transfers on Ethereum Smart Contract

The advantage of using Ethereum is that it allows running decentralized code with smart contracts and enables reliable services and payments handling. Smart contracts are a central component to next generation blockchain platforms.

By using self-executing contract, single party manipulation is inverted. Since, control over the execution of the smart contract is no longer in the hands of a single party it could be said that smart contracts allow autonomy, security, speed, safety, and trust.

Features of the **IPS-Token** smart contract include facilitating, negotiating, verifying, and closing contracts between buyers and merchants (B2C) or between a peer to another peer (P2P). These smart contracts are partially self-executing and self-enforcing. They are composed of computer-based protocols in the Ethereum blockchain.

## 4.7 IPS-Exchange

The **IPS-Exchange** will be the new and efficient cryptocurrency exchange. The **IPS-Exchange** will be a full featured cryptocurrency exchange, where members can trade their Tokens for other public cryptocurrencies (about 50 of the most common and trusted cryptocurrencies) such as Bitcoin, Ethereum, Ripple, etc. Liquidity is vital for the functioning of an exchange. In the cryptocurrency world it is essentially referred to the degree in which various tokens can be bought and sold, while maintaining stable prices; especially in the case of large orders, low liquidity will result in a highly volatile and undesirable trading experience.

Higher liquidity drives less volatility and little price fluctuation in the market. **IPS-Exchange** intends to create a highly secured and liquid closed-ended private exchange for its clients. Funds will be safeguarded and at the same time, P2P wallet based decentralized trading platform will provide the most recent features.

Our goal is to provide the user with a highly secured and scalable platform to trade their cryptocurrencies. The ideal solution would be to build a decentralized exchange that can match the scaling demand. From a user standpoint, a decentralized exchange provides numerous benefits, but the most important one of these is that users will hold their coins/tokens in their own wallets and do not have to trust a third party. However, decentralized exchanges are still undergoing rapid advancements and building one requires careful planning and time.

As part of our roadmap the IPS- Exchange will not start out as a decentralized solution, but will be centralized, similar to all of the leading cryptocurrency exchanges today such as Coinbase, Bittrex or Bitstamp. From a development standpoint it makes sense to first build the product and add complexity to it later. Building a centralized solution first, so that the users and merchants can use the products much sooner means IPS can be first to market and create the biggest network effect.

At this moment decentralized exchanges are functional, but not to the levels of reliability and scalability expected by global brands for mass volume retail microtransactions. As soon as the technology matures and has proven to be able to handle thousands of transactions per second, the vision is to build a IPS decentralized exchange on this system.

## 4.8 IPS –e-Commerce

The **IPS e-Commerce** component of the IPS will offer a powerful e-Commerce web portal where individuals, firms and business traders will be able to post products for selling. Both buyers as well as sellers will make transactions in cryptocurrencies.

With a few easy steps, sellers will be able to post their products that they wish to sell on IPS e-Commerce portal.

IPS will provide a platform for transactions of multiple products and services between different market segments including business-to-business (B2B), business-to-consumer (B2C), consumer-to-consumer (C2C), and mobile (M) commerce. The products that can be posted for sale on the IPS e-Commerce web portal will consist of a diverse range of categories.

An innovative business model, diversified product categories, attractive features and options for sellers and buyers, and a universally available and accessible web portal are the unique selling proposition (USP) of the IPS's business strategy. This will attract clients by leaps and bounds, and eventually strengthen the financial position of IPS in the e-Commerce sector.

With this as impetus, IPS e-Commerce component has been established to tap into the enormous opportunities and profit potential of the e-Commerce sector. The business will be primarily based on the online auction model and will exclusively serve as a platform for individuals and businesses to sell and buy their products. The online auction model has been chosen for various reasons: no geographical constraints, which expands the customer base; convenience for customers due to flexible shopping hours; and a resulting high volume online business since a large number of buyers and sellers are attracted. For customer convenience and for those not comfortable with bidding, products with the 'buy it now' option will also be found on the Company's website.

Our objective is to deliver excellence with utmost sincerity and integrity by connecting communities of buyers and sellers worldwide through 24/7 access, recognizing their needs, and fulfilling their demands in a way that will maximize our financial health, and create economic and social value for the IPS community.

## 5. ICO Structure

Funds collected during the ICO crowd sale will be used for the development of various IPS products.

### 5.1 Token Distribution

There will be a total supply of 50,000,000 tokens and a hard cap of 30,000,000 **IPS-Token** that is available for sale. The token offering will exclusively accept ETH and Bitcoin. **IPS-Token** will be distributed after the ICO stage is over.

#### 5.1.1 Private Sale

Pre-Sale of IPS-Tokens April 16, 2018 – May 30, 2018

1,500,000 **IPS-Token** will be sold privately to strategic investors, who bring long-term value to the project. Early bird discount will be given to early buyers. During the private-sale round, also called Pre-sale ICO, up to 40% extra tokens (Discount Tokens) will be available for distribution. Discount will also be offered for referring new buyers to the **IPS-Token** digital sale. There will be NO REFUNDS OR EXCHANGES once Ethereum has been exchanged for **IPS-Token**.

**Value: 1 ETH = 1,000 IPS**

	Stage	Supply	Discount	ETH = IPS-Token	Maximum (ETH)	USD Value
1	Pre-Sale ICO	1,500,000	40%	0.001	2,800	0.50
	<b>Total</b>	<b>1,500,000</b>				

#### 5.1.2 Public Sale

28,500,000 **IPS-Token** will be sold across the public sale that will be conducted over five rounds and will commence in May 2018.

Payment method: Ethereum (ETH)

During the presale and crowdsale, a maximum of 30 million **IPS-Tokens** will be sold. The number of tokens issued per Ethereum will depend on funds raised. A table outlining the distribution and discount structure of tokens is detailed in this [whitepaper](#) (Table 5.1). Prospective **IPS-Token** buyers can trade any number of Ethereum including fractional amounts such as 0.017 Ethereum.

During the first round, also called Pre-ICO, up to 35% extra tokens (Discount Tokens) will be provided. In the second round of ICO, also called ICO, up to 25% discount tokens will be available, and so on.

Hard Cap	:	70,500 ETH (Maximum investment amount)
Soft Cap	:	3,000 ETH (Minimum investment amount)
Minimum Buying Transaction	:	0.100 ETH
Maximum Buying Transaction	:	No maximum

The **IPS-Token** will be used to strengthen all the products of the IPS. As payment transactions will be carried out on the **IPS-App**, the **IPS-Token** can be transferred from one participant to another (P2P) instantaneously.

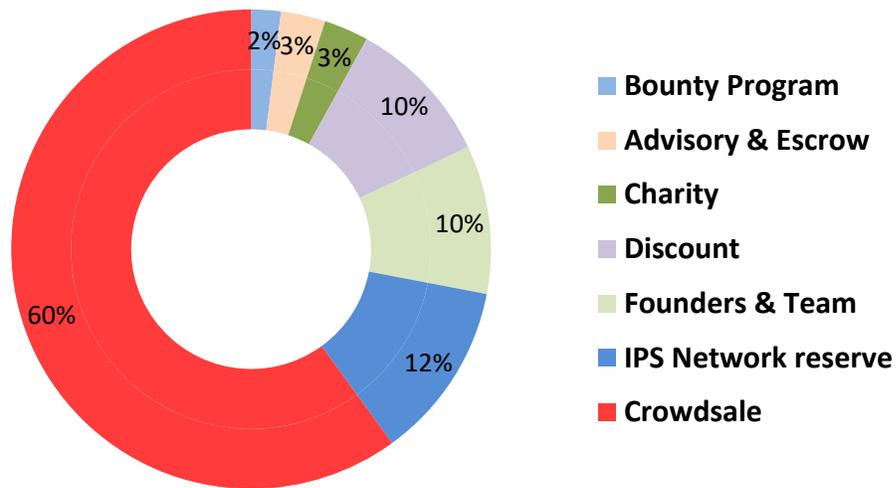
**IPS-Token** will be used to reward participants for participation in the P2P payment transactions. These will be issued during the ICO stages (crowdsale periods) or until sold out. Once, this phase is completed no further tokens will be generated. At the end, all unsold token will be reserved by IPS. Options for the reserved tokens include burning the tokens, a further sale, utilizing a market-maker to protect token volatility, or dissemination into liquidity or Reward Pool. These options will be discussed with the community.<sup>1</sup>

**IPS-Token** is launching a hard cap IPS digital token sale to raise funds for the IPS project. These funds will be used to develop and enhance the IPS payment platform with innovative features that will make IPS payment platform the most user-friendly, reliable, secure, hassle-free, fast and low cost value transfer system for the IPS community.

**Table 5.1**  
**ICO Stages and Discounts Offered**

	Stage	Supply	Discount	ETH = IPS-Token	Maximum (ETH)	USD Value
2	Pre-ICO	3,000,000	35%	0.001	5,800	0.60
3	ICO	4,500,000	25%	0.001	9,500	0.70
4	Round 2	6,000,000	15%	0.001	13,700	0.80
5	Round 3	7,500,000	5%	0.001	18,800	1.00
6	Round 4	7,500,000	-	0.001	19,900	1.20
<b>Total</b>		<b>28,500,000</b>			<b>70,500</b>	

<sup>1</sup> Price only – will change from Ether price fluctuations.



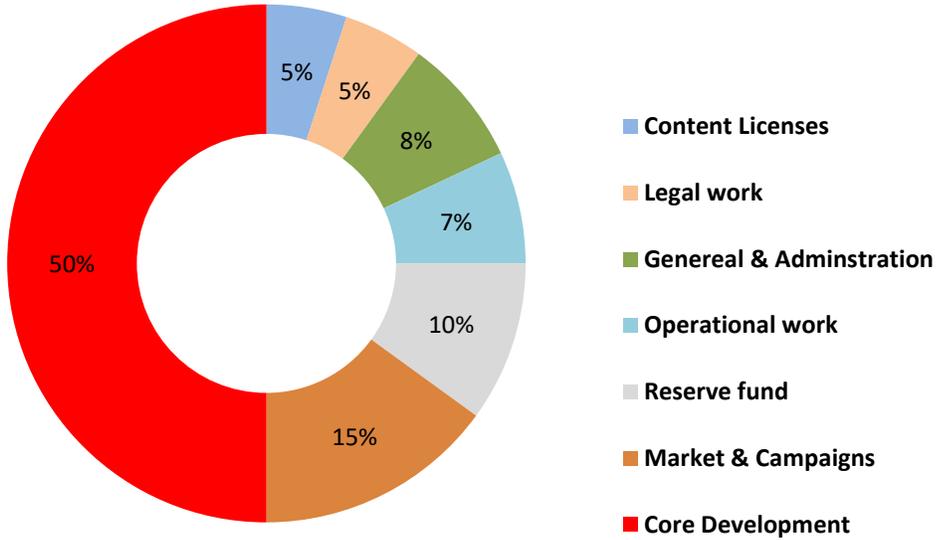
- **Crowdsale Process** (60%) 30.0 million IPS-Tokens
- **IPS Reserve** (12%) 6.0 million IPS-Tokens  
This portion will be allocated to reward early adopters and provide liquidity to the market if required.
- **Founders, Team & Developers** (10%) 5.0 million IPS-Tokens  
One year lock-up period
- **Discount** (10%) 5.0 million IPS-Tokens
- **Charity** (3%) 1.5 million IPS-Tokens
- **Advisory & Escrow Team:** (3%) 1.5 million IPS-Tokens  
This will be allocated as rewards for advisors and escrow team.
- **Bounty Program** (2%) 1.0 million IPS-Tokens

There shall be an escrow period on all the IPS-Token purchased on discounts as shows below:

	Discount %age	Escrow Period (months)
1	40 %	18
2	35 %	15
3	25 %	12
4	15 %	9
5	5 %	6

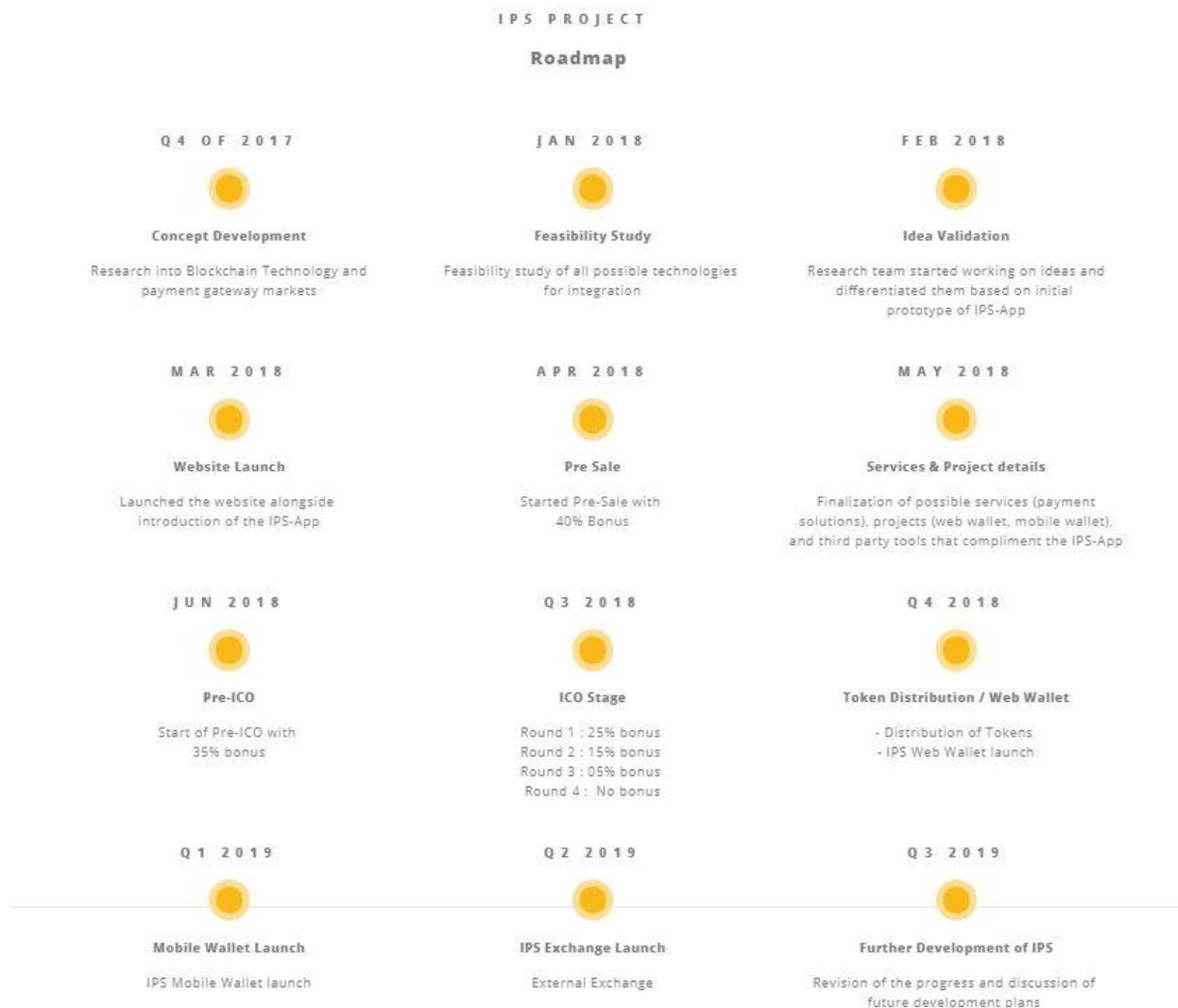
## 5.2 Allocation of Funds

Following is a preliminary distribution of funds:



- 50% Core Development
- 15% Marketing & Campaigns
- 10% Reserve Fund
- 8% Operational work
- 7% General & administration
- 5% Legal work

## 6. Roadmap



## 7. Disclaimer

The material provided in this Whitepaper by IPS (the Company) is for information purpose only. IPS does not provide any warranty as to the accuracy and completeness of this information. This whitepaper describes the future plans of the Company. It shall not and cannot be considered an offer or a solicitation to buy or sell any securities or other financial instruments in any jurisdiction.

The white paper does not include nor contain any information or indication that might be considered either a recommendation or a base for taking any investment decision. This document does not make up or form an invitation or offer to sell shares, securities or rights belonging to IPS or any related/associated company(ies). IPS is not to be considered as an advisor in any legal, tax or financial matters.

Blockchain, cryptocurrencies, other aspects of our technology and such markets are in their emergence phase. Lately, they are facing many challenges, a changing environment, competition, and new regulations in various parts of the world are on the way. We will keep on updating our community but undertake no obligation to do so.

IPS team will work with full enthusiasm to achieve its vision, but at the same time it is mentioned that you cannot rely on any of it coming true. Success of the project depends on a number of factors and is subject to a number of risks. It is quite possible that only a portion of our vision will be realized or the IPS platform will never be implemented or adopted at all. We do not represent, guarantee or warrant any of the statements on this whitepaper as they are based on our current expectations/assumptions. There can be no assurance due to various anticipated and unanticipated events that are occurring in various countries and regions.

The **IPS-Tokens** are just a utility token which can be used only on the IPS platform. The **IPS-Tokens** are not intended for speculation and offer the holder no rights in, or claims to, any of the assets of IPS or in any way a share in any profits that IPS may achieve. **IPS-Token** is not intended to be used as an investment. Before buying the **IPS-Token**, a buyer is strongly advised to carry out a legal and/or tax analysis concerning the purchase/ownership of **IPS-Tokens**, based on their place of residence and citizenship, because lack of knowledge about cryptocurrencies is quite common in most of the countries.

**IPS-Token** is intended to be used as a mechanism for the services offered through the **IPS-App**. No promises of future value or performance are or will be ensured with respect to **IPS-Token**, including no promise of continuing payments, no guarantee of inherent value, and no promise that **IPS-Token** will hold any particular value. **IPS-Tokens** are not participation in the Company and hold no rights in the said Company. All proceeds received by the Company may be spent freely by the Company absent any conditions.

Interested parties will have to acknowledge/agree to our Privacy Policy as well as Terms and Conditions. This document is subject to amendments from time-to-time to inform modifications in program and/or to include further findings. It must be accompanied by the previous/later versions, which remain in effect regardless of purchase decisions. Any amended versions of this document will be published on our website; only the most recent version of the whitepaper published on the website shall be considered as the relevant whitepaper.

Throughout this whitepaper, if referred, 'under development' or 'planned' it is for the information purpose only and is based on current IPS vision. These are not representations, guarantees or warranties that such features have already been integrated or will be integrated in the near future. Interested parties acknowledge that all parts of IPS program may never, in fact, operate as intended.

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