

# THE PEOPLE'S RESERVE WHITEPAPER

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[www.thepeoplesreserve.com](http://www.thepeoplesreserve.com)



Because We Need a New Economy

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Built For The **People**

## 1. IMPORTANT NOTICES

It is important that you read this document carefully and in its entirety prior to participating in The People's Reserve ("TPR") ecosystem. You should seek personal advice from your accountant and legal representative prior to acting on the information contained in this Whitepaper.

### a. Issuer of Whitepaper

The issuer of this Whitepaper is TPR LLC.

### Not Securities

The product described is not an offer of securities.

This material is provided by TPR (LLC) for informational purposes only and is not an offer or a solicitation to buy or sell securities or engage in financial services.

### b. No Investment Advice

The product offered is not offered for investment purposes. The information contained in this Whitepaper should not be taken as financial product advice and has been prepared as general information only.

To the extent permitted by the applicable International Laws, regulations, and rules and those of the participants country of residence, TPR shall not be liable for any losses that are indirect or otherwise, that may be in connection to the reliance of this Whitepaper.

Please consult your legal, financial, or business professional for advice prior to participating in the TPR ecosystem.

Prior to the participation in the TPR ecosystem you should carefully address the general risks involved with blockchain technology.

### c. Invitation

The invitation contained in this Whitepaper is for the participation in the TPR ecosystem via TPR coins which has been construed to fall under the category of a digital currency.

No individual or body is authorised by the company to give any information or make any representation in connection with this offer that is not contained in this Whitepaper.

All information that has been held out but is not contained in this Whitepaper may not be relied upon as having been authorised by TPR.

Neither a representative of a company or any persons associated with the company may warrant the future performance of the TPR ecosystem or TPR coins.

### d. Past Performance

Past performance of TPR should not be relied upon as indicative of future performance.

### e. Representation and warranties

By accessing this document or any part thereof, you acknowledge, understand, and agree that:

- i. TPR does not afford the participant to any rights or obligations in the TPR ecosystem;
- ii. This document does not constitute a guarantee or a promise of; future prospects, features of the ecosystem and/or any form of legally binding agreement between TPR and the reader of this document;
- iii. You are permitted to access this document pursuant to the laws of your country of residence;
- iv. The redistribution or dissemination of this document, or any part or section thereof, is prohibited without the permission of TPR;
- v. TPR and/or its affiliates are not liable for any losses of any kind arising from the reliance of this document; and
- vi. Information in this document does not constitute legal, financial, business or tax advice.

### f. Jurisdiction

The Whitepaper has been prepared to comply with international law.

The TPR ecosystem will be regulated under international law and any other applicable law.

Participants of the TPR ecosystem will be regulated by International laws, laws of their country of residence and any other applicable law.

This Whitepaper does not constitute an invitation in any place in which, or to any person whom, it would not be lawful to make such an invitation.

The distribution of this Whitepaper (whether electronically or otherwise) in certain jurisdictions may be restricted by law. Persons who come into possession of this Whitepaper should seek their own advice and observe any such restrictions.



Any failure to comply with such restrictions may constitute a violation of applicable laws. Unless otherwise agreed by TPR, any person participating in the TPR ecosystem shall be by virtue, deemed to represent that they are in a jurisdiction that permits the participation detailed in this Whitepaper, and is not acting for the account or benefit of a person within such jurisdiction that does not permit participation detailed in this Whitepaper.

#### **g. Guarantee**

This document does not afford any guarantees or promises. All features referenced to in this document or related documents are not guaranteed. This document does not guarantee that the services mentioned will be released. If a product is released there is no guarantee that the product will resemble or abide by the features listed in this document. This document should not be relied upon as a promise or representation of the future projections of TPR.

#### **h. Backing**

The People's Reserve does not hold out that the TPR Coin is backed by physical gold or any other tangible asset.

#### **i. Distribution of Document**

The distribution or dissemination of this document or any part or section thereof, is prohibited without the consent of TPR.

This Whitepaper may not be distributed to or relied upon by any person in China or the United States.

#### **j. Privacy**

By participating in TPR ecosystem, you are required to provide personal information to TPR. A full list of personal information used will be listed on TPR's privacy policy.

Participants domiciled or a national of a European country may make request for personal information to be deleted at any time as per the GDPR. However, users who request the deletion of their personal information will be forced to cease use of our services.

#### **k. Blockchain General Risks**

Blockchain technology presents many inherent risks. Please ensure you are either well informed in relation to blockchain technology or have consulted a blockchain advisor prior to participating in the TPR ecosystem.

#### **l. Anchored Value**

The TPR coin's value is not guaranteed.

The value displayed for the TPR Coin is a recommendation which has been anchored via the coin's code.

Individuals may accept TPR for a price higher or lower than the stable price prescribed in the TPR wallet and anchored into the TPR Coin.

Due to the nature of blockchain technology, The People's Reserve does not have control of the economy or ecosystem. The People's Reserve does not Guarantee the stability of the coins value. However, it implements best practice standards.

#### **m. Updated Information**

Information relating to the offer may need to be updated from time to time. Any updated Information about the offer not materially adverse to the product offering will be made available at TPR.

TPR may issue a supplementary Whitepaper to supplement any information not disclosed in this Whitepaper.

#### **n. Rewards**

Rewards may vary from time to time. The rewards displayed on this Whitepaper reflect the rewards as of the date of this Whitepaper and may be amended, changed or varied at any time without notice.

#### **o. Currency**

Unless expressly stated, monetary amounts are expressed in AUD dollars.

#### **p. Photographs and Diagrams**

Diagrams and maps used in this Whitepaper are for illustrative purposes only. All information represented in the charts, graphs and tables are based on information available as of the listed date



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## Foreword

When the human monetary economic system began, it had begun in a true economic free market, however the term free market in today's day and age is no longer a relevant term. We are no longer free to use our hard-earned wealth as we will. Restrictions have been placed on us by various institutions such as banks, regulators and policy makers.

Governments are able to seize our wealth if they choose to do so without recourse, whether it's seizure from our bank accounts or printing more money decreasing the value from our wealth. Banks have the ability to restrict the movement of our wealth at their will. Policy makers have the ability to make rules surrounding the custody and use of our wealth without prior seeking our consent.

The People's Reserve's vision is to create a Currency for the People, a monetary ecosystem that will allow us to enjoy our wealth accompanied by significantly more freedom, whilst still being connected to the traditional financial system without being tied to the traditional markets.

What is truly exciting is that the emergence of Blockchain Technology and cryptocurrency has now made this possible.

I encourage you to read this Whitepaper, consider its value proposition and become part of an ecosystem that will drive change for our society as a whole.



Item	Description	Section
Overview		
Blockchain Technology	Blockchain technology is a new emerging technology that allows for the trusted transfer of value. No third party is required to confirm transactions. (IE: No bank is required as a third party to confirm transactions)	2.1
Anchored Coin	<p>An anchored cryptographic coin that has been issued on a blockchain in which its value is validated by inbuilt code and external facets. By design an anchored coin attempts to remain more stable than a coin such as Bitcoin where the value is validated purely by supply and demand. The value of an anchored coin relies on the internal coding and references to API's versus relying solely on supply and demand.</p> <p>Relying solely on supply and demand is what can inevitably create volatility – even extreme volatility, as is seen with Bitcoin and many other coins. We believe anchored coins are the future of crypto coins.</p>	
What is the People's Reserve?	<p>A new Blockchain and Cryptocurrency developed to create a new monetary ecosystem – that is built for the people.</p> <p>Compounding is a powerful force.</p> <p>The People's Reserve attempts to empower the people with the power of compounding in order to generate the resources required to free up their time and energy.</p> <p>IE: The energy required to fund and pay the costs of living.</p> <p>Without this energy output, required attention and undue stress it is believed that an innate humanity, naturally born to us all, begins to surface.</p> <p>Innate humanity consisting of love, compassion and generosity.</p> <p>Love, Compassion and Generosity are a much-needed resource today. The People's Reserve attempts to free up as much of this resource as is possible, leading the betterment of mankind and the societies we co-create.</p>	2.2
Ecosystem Components	<p>The People's Reserve consist of the following components:</p> <ul style="list-style-type: none"> <li>• Blockchain Network;</li> <li>• Stabilisation Algorithm;</li> <li>• Exchange;</li> <li>• Wallet; and</li> <li>• a native Coin (TPR)</li> </ul>	



The People's Reserve Blockchain	<p>The TPR Blockchain is built on it's own network. It is a native coin versus a token built on the network of another coin, as this can create many limitations.</p> <p>For speed and ease of execution, The TPR Blockchain consensus algorithm, utilises Permissioned Proof of Stake, with 7 consensus master nodes.</p>	6.1
The People's Reserve Coin	<p>The People's Reserve Coin ("TPR Coin") is a coin native to the TPR Blockchain. It reflects a Troy Ounce of the all-time highest price of gold (updated every 24 hours) within the TPR wallet.</p> <p>Please note, the value of the Coin is not guaranteed to remain stable to the highest price of a Troy Ounce of gold. The company will take best practice measures to attempt to maintain the stability of its value. The API used to disclose the gold price will be disclosed on a later date.</p>	4
Why Purchase TPR Coins?	<p>TPR Coins will be accepted by various merchants. They are also secure from third party access or interference. TPR is an anchored coin that offers compounding rewards. Compounding rewards will be offered in compensation for each user their TPR to validate the transactions on the network.</p>	3
Where can I purchase TPR Coins?	<p>You will be able to purchase TPR Coins P2P or via the TPR exchange once it is operational.</p>	3
The People's Reserve Wallet	<p>The People's Reserve wallet is where TPR coins are stored and transactions are made. It will reflect a facet of the TPR anchored coin proposition.</p>	5
The People's Reserve Coin Properties	<p>Properties</p> <ul style="list-style-type: none"> <li>(a) Coin name: The People's Reserve (TPR);</li> <li>(b) Decimals: 6;</li> <li>(c) Supply: 500 100 000 TPR;</li> <li>(d) Consensus: Permissioned Proof of Stake with 7 consensus master nodes;</li> <li>(e) Settlement time: 3-9 seconds; and</li> <li>(f) Transactions per second: 2000.</li> </ul>	3



The transaction fee on the TPR blockchain is calculated in Bandwidth points.

The transaction cost is based on size of the transaction in terms of data. 1 byte of data will equal 1 bandwidth point. A typical transaction will be the approximate size of 200 bytes equating to 200 Bandwidth points.

Each wallet will receive free bandwidth points on a daily basis that can be used to make transactions. A normal user will be able to make approximately 25 transactions per day without incurring a cost due to the 5000 free bandwidth points received per day.

## 2. INTRODUCTION

### 2.1. Blockchain Technology

Cryptocurrency is built on the emerging technology which is blockchain. The emergence of blockchain technology has allowed individuals to take control of their own funds, it has allowed users to store funds in their personal wallets which cannot be accessed by any third-party institution and it has allowed for trusted value transfer without the requirement of a third party. Cryptocurrency can be transferred almost instantly to receiving wallets without the tedious settlement requirements.

Blockchain technology relies on the laws the code has created and not on the whimsical and fleeting opinions and interpretations of humans.

At present the cryptocurrency markets are generally subject to extreme volatility, often exposed to large value swings both up and down. The volatility of the market dissuades individuals from using their cryptocurrency as a mechanism for payment as individuals generally view cryptocurrencies as an investment vehicle as opposed to a currency to spend.

As such, The People's Reserve ("TPR") wishes to close the gap in this market applying the benefits of crypto currency's independence from third party institutions and creating a model that aims to be sufficiently more stable than cryptocurrencies such as Bitcoin and Ethereum.

TPR's vision is to build a stable monetary economic ecosystem independent of third-party entities.

### 2.2. What is a Native Token?

A native coin is a coin that has originated and been developed on a particular and specific blockchain protocol. When reference is made to a native coin it means a coin has been created and used on a very specific Blockchain Protocol.

A non-native token is a token that has been developed on another protocol, such as Ethereum or Bitcoin and may have been transferred to or synthetically created on a different Blockchain.

This is the more common practice versus the more complex practice of developing a unique, native, and very specific Blockchain Protocol as TPR has been.

A non-native token could come with many limitations whereas TPR is an innovative coin free of limitation and restriction, enabling it to execute many unique, high-performance smart contracts.





### **2.3. What is a Node?**

A node is a device that stores the history of a blockchain on it. A Blockchain generally requires multiple nodes to operate so data is secured and not lost. A witness node stores the complete data of a blockchain.

### **2.4. Proof of Stake**

Proof of stake is where the blockchain data is validated/confirmed by current coin holder's rather than third party miners.

Staking or mining on the TPR platform is the act of participating in proof of stake. Participation is internal to the coin's algorithm. Holders of TPR are participants in the network.

A user's wallet may be selected as a node by random selection to participate as a node. This is how participation can be defined. The willingness to be selected as a node by random selection.

As a result of this participation – users are rewarded with compounding.

### **2.5. What is a Collateralised Coin/token?**

A collateralised Coin is a coin that has its value pegged to a certain indicator and backed by a form of collateral. This can be quite restrictive for a few reasons, including potentially not allowing for full speed of economic expansion.

### **2.6. What is Consensus?**

From the perspective of blockchain technology, consensus is an algorithm that allows data to be distributed in a network which can be shared and validated by multiple anonymous people to confirm that the data is correct.

From the perspective of currency, consensus simply means agreement. (of currency value)

### **2.7. What is Fiat Currency?**

Fiat currency is a currency that has been issued by a government body such as US dollars or Japanese Yen.

### **2.8. What are Holds?**

Users may "hold" their coins in the TPR wallet to receive compounding per annum. The People's Reserve coins can be put on hold to receive increased COMPOUNDING. Holds are virtual assets that can be purchased in the TPR wallet. 1 hold is equal to 0.1 TPR.

Purchased holds cannot be transferred or sold until they expire. Upon expiration, the hold amount as well as the compounding are paid out by the smart contract and made available for the coin holder in the TPR wallet.

### **2.9. What is a Smart Contract?**

A smart contract is an automation tool. It is a set of rules that is created on a blockchain that must be followed.

The People's Reserve network supports creation of smart contracts. These contracts are self-executing and self-enforcing. They are governed by the explicit terms and conditions laid out within them.

Smart contracts are a transparent and efficient way to automate network operations. Since the system's core components are written as smart contracts, users can have full trust in the network.

The People's Reserve coin utilises a complex and modern collection of smart contracts in order to execute all of its rewards, benefits and processes.



## 2.10. What is The People's Reserve?

The People's Reserve ("TPR") is a Blockchain Protocol and an Anchored Coin that offers a cryptocurrency where its value is anchored to the all-time highest price of gold which is updated every 24 hours on the People's Reserve exchange and wallet (This comment is in reference to the "Anchored Value" section 10). The API used for the gold price updates will be disclosed at a later date.

## 3. THE TPR ECOSYSTEM

The TPR Protocol consist of multiple features that connect with each other to create an ideal system for the transfer of value.

Key component	Description
Blockchain Network	<p>TPR utilises its own Blockchain network called the TPR blockchain. The TPR Blockchain consensus algorithm utilises Permission Proof of Stake.</p> <p>Proof of stake is where the blockchain data is internally validated by randomly selected user's wallets. As a result of being selected the user's wallet acts as a node. All functions are performed by the algorithm so the user has no personal involvement – just their wallet serving as the node.</p>
Stabilisation Algorithm	<p>The stabilisation algorithm is a form of validation for the anchored TPR coin. It enables the all time highest value of gold (updated every 24 hours) to be reflected in the TPR coin when stored in a TPR wallet.</p> <p>There are two components that enable this to happen outside of the TPR blockchain:</p> <ul style="list-style-type: none"><li>(a) Gold Price Oracle;</li><li>(b) The People's Reserve Exchange.</li></ul> <p>The Gold price Oracle allows the algorithm to retrieve the current and past gold prices.</p> <p>The People's Reserve Exchange is another facet of the anchor that validates the value of the TPR Coin.</p>
Exchange	<p>The People's Reserve Exchange provides two critical functionalities:</p> <ul style="list-style-type: none"><li>1) The Exchange allows users to exchange TPR coins for fiat and other digital currencies;</li><li>2) The Exchange helps to validate the value of the TPR coins.</li></ul>
Wallet	<p>The People's Reserve wallet allows users to send and receive coins as well as receive mining rewards (staking) and compounding.</p>



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Coin

The People's Reserve coin is a digital currency created by TPR that is intended to be used as a medium of exchange in the TPR ecosystem.

The TPR coin will reflect and maintain the all time highest gold price (updated every 24 hours) on The People's Reserve Exchange.

The TPR coin is intended to provide further stability than the current volatile cryptocurrency market.

Properties

(a) Coin name: The People's Reserve (TPR)

(b) Decimals: 6

(c) Supply: 500 100 000 TPR

(d) Consensus: Permissioned Proof of Stake with 7 Consensus Master Nodes

(e) Settlement time: 3-9 seconds

(f) Transactions per second: 2000

## 4. The People's Reserve - AN ANCHORED COIN

The TPR coin is a coin native to the TPR Blockchain. The TPR coin is an anchored coin intended to be a cryptocurrency more stable in value than other currencies such as Bitcoin and Ethereum.

The TPR Coin is an anchored coin, it attempts to create a more stable coin than sole supply and demand cryptocurrencies and uses a multi-faceted mechanism to anchor its value.

The first facet is the value of a Troy Ounce of gold as reflected in the TPR wallet at the all time highest price, updated every 24 hours. The second facet relies on the TPR exchange to validate its value. The Third facet relies on merchant acceptance, of the coin, at the proposed value.

### 4.1

The TPR Coin is not backed or supported by physical gold, rather TPR utilises a modern non- collateralised approach. as being backed by physical Gold would create constrictions including slowing the growth of a naturally expanding economy.

The TPR Coin's recommended value is reflected in the TPR wallet.

The non-collateralized algorithm is a facet that contributes to the validation of the TPR coin value as it has the ability to buy or sell TPR coins, or offer increased TPR rewards, as required, to attempt to create a stable value in the TPR wallet.

Businesses that accept TPR coins at the prescribed gold value is another facet of the anchored coin value.

Businesses that accept TPR for their goods or services validate that TPR coin's may be spent, with them, at the prescribed gold price – that being the all time highest price of gold, updated every 24 hours. This may incentivise individuals to purchase services from merchants rather than attempting to sell their coin at a lower price than the prescribed price at any given time.

Cryptographic coins that have presented reasonable stability in the market have been more openly adopted than their more volatile counterparts as a form of payment for goods and services rather than a mechanism for investment.



## 4.2 TPR Rewards - Mining (staking) & Compounding

\*Staking is the more technical term.

All Mining & Compounding Rewards happen automatically - without any human involvement. TPR holders may generate mining and compounding rewards as follows:

- 12%, or greater, mining of new coins per year.
- Calculated daily so these rewards are compounding for all coin holders.
- Above 12% mining and compounding can be accessed as a result of staggered coin release, choosing to put coins in hold or could be offered as a stabilization feature. (up to 35%)
- Mining and compounding rewards are delivered automatically via Smart Contract.

### Compounding Types - With Different Rates:

**#1:** Mining of coins. Users may mine TPR so long as they have TPR in their wallet and they opt to mine. When mining TPR, TPR in the wallet may be moved or transferred at any time. Mining rewards are relative to the number of TPR an individual has in their wallet.

**#2:** Generating Rewards. Users may opt to hold their TPR coins, for a fixed period, which will generate additional coins and compounding in return.

Reward rates are variable and will be displayed within the wallet prior to holding TPR.

**#3:** Coins will be released in stages:

1st Release (after early release of 100,000 coins) is for 100M coins at 16% mining and 20% if entering into a 6-month hold.

2nd Release is for 200M coins at 14% mining and at 18% if entering into a 6-month hold.

3rd Release is for another 200M coins at 12% mining and 16% if entering into a 6-month hold.

Once all coins are issued from the first release, the 2nd release would start and all holders from the first release would automatically be transferred into release number two and as such start compounding at the new rate of 14% and 18%.

Similarly, once all the coins from the 2nd release are issued all holders from the 1st release and 2nd release will now enter in to the 3rd release mining at 12% and 16%.

**#4:** Should there be a price instability, and that instability reaches a threshold the non-collateralised algorithm may select to offer up to 35% compounding reward, as a stabilising feature.

## 4.3 Addressing Volatility:

Should there be higher levels of volatility, a larger amount of coins would be offered at a higher rate of compounding. (up to 35% - for hold periods up to two years)

At varying levels of instability various levels of compounding and hold periods would be offered to users.

At extreme levels of volatility buying and selling of coins would be frozen as the final step to attempting stabilisation.

Further to this, The People's Reserve implements a self-funded, fiat-backed reserve pool. A full 50% of all coins sold on the TPR Exchange are deposited to the fiat-backed reserve pool.

The goal of TPR is to create a New Economy built for the people. As such, the coin attempts to offer as much validation facets as possible to adhere to the anchored coin concept and accelerate the coins adoption.

By combining an anchored value with the non-collateralised algorithm complimented by consensus and a fiat-backed reserve pool, TPR has a multi-faceted stabilization approach.



To move TPR Coins between wallets, a transaction fee must be paid which will be further discussed in section 6.2.

### The Coin's Purpose:

The TPR Coin's purpose is to be used as a store of value and to allow for payment of goods and services. The properties of the coin include the following:

- (a) Coin name: The People's Reserve (TPR)
- (b) Decimals: 6
- (c) Supply: (500,100,000)
- (d) Consensus: Permissioned Proof of Stake with 7 Consensus Master Nodes
- (e) Settlement time: 3-9 seconds
- (f) Transactions per second: 2000

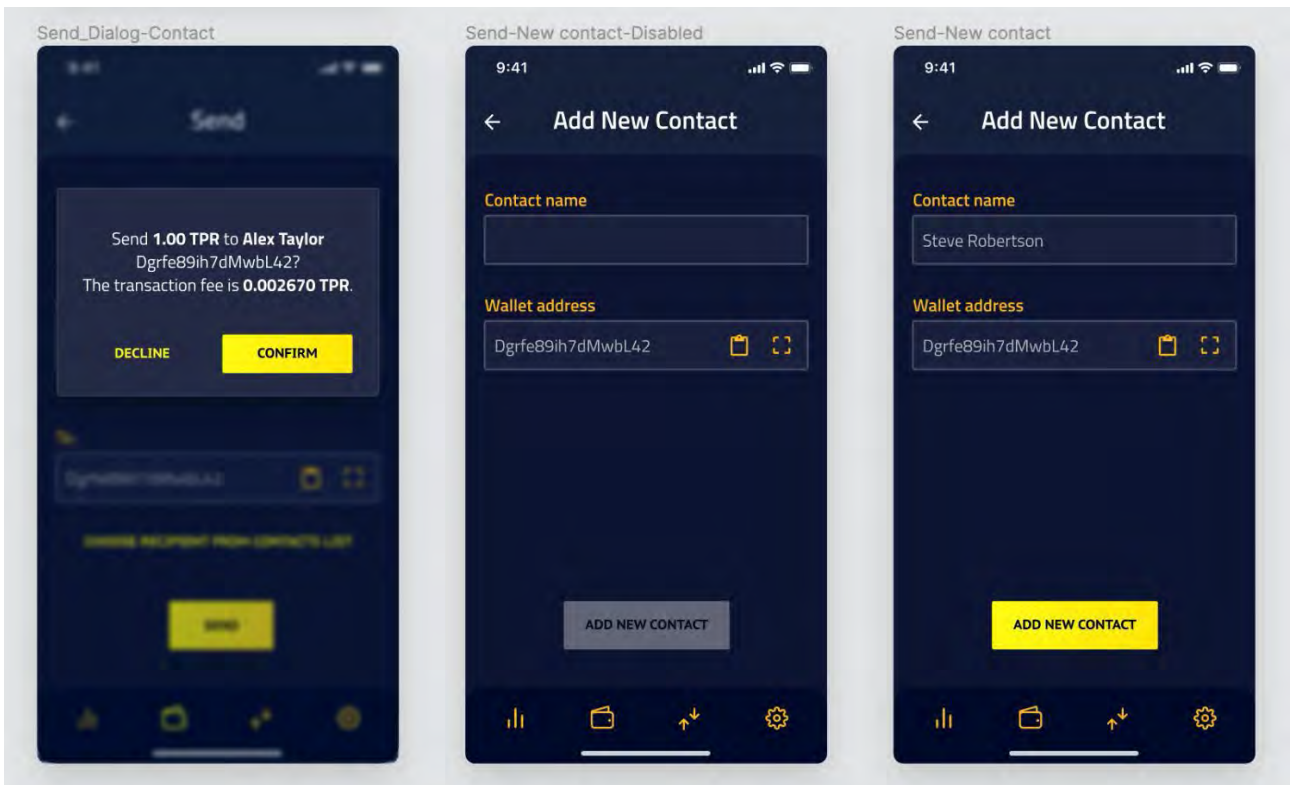
## 5. TPR WALLET

The TPR Wallet is a sufficiently audited IOS and Android wallet specifically built for the decentralised storage of TPR coins. Audited means, the code of the application has been reviewed, prior to coin release, by a qualified blockchain expert and determined to be secure with every facet of operation – working seamlessly.

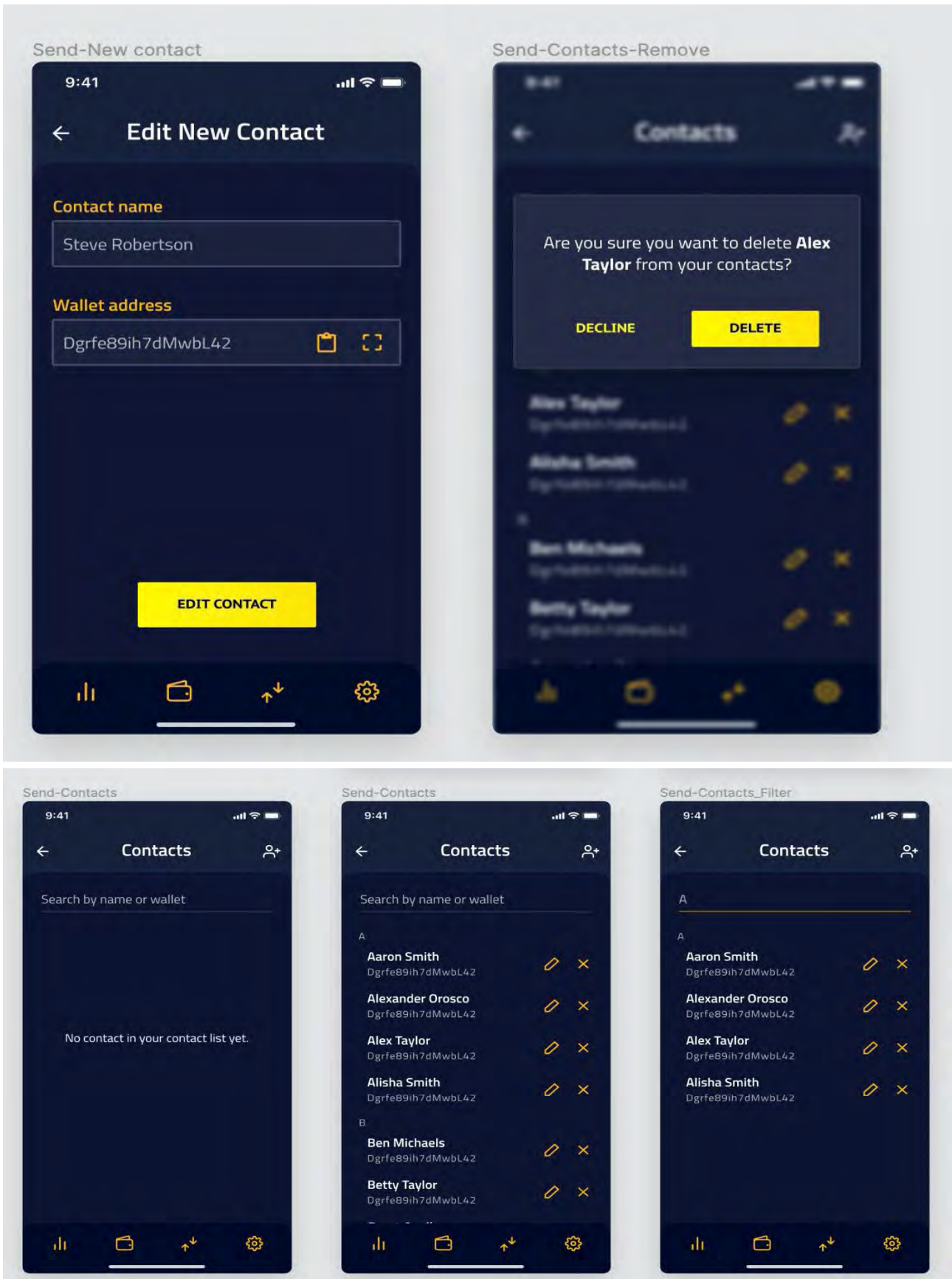
The TPR Wallet's private keys are securely stored in the internal files of the participant devices. The benefit of the private keys being stored in the local device is that they are very difficult to obtain without having access to the physical device. Meaning the corresponding wallet is less prone to remote malicious attacks/hacks.

### 5.1 Adding a New Contact

The TPR wallet allows individuals to add and save contacts to send TPR coins to.

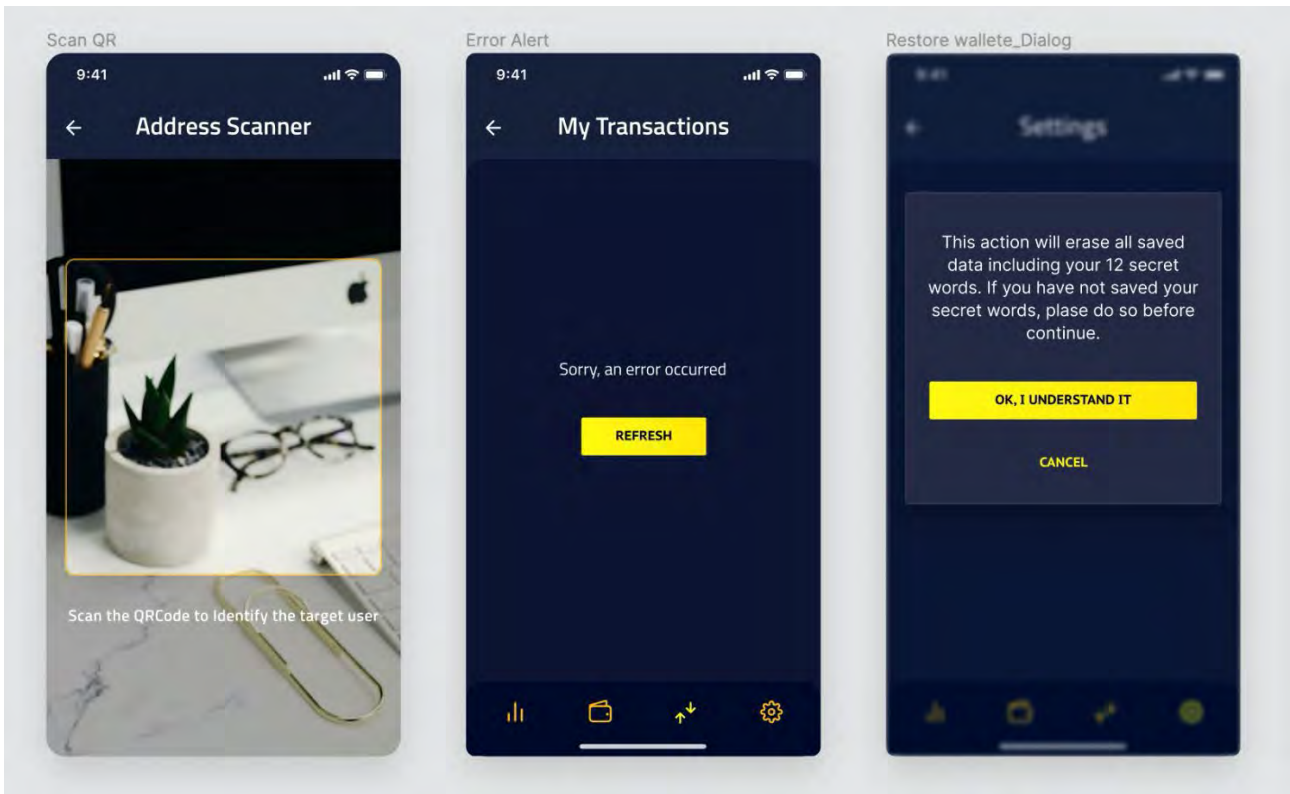


When processing a transaction, a user will be required to add a new contact. A wallet address as well as a corresponding name must be added when creating a new contact. The wallet has the option to scan a QR code describing the wallet address.



Users may edit the contact name and wallet address as well as delete the contact after the transaction has been completed.





As previously mentioned, the wallet allows users to scan a wallet address's QR code in the alternative to inputting the wallet address manually.

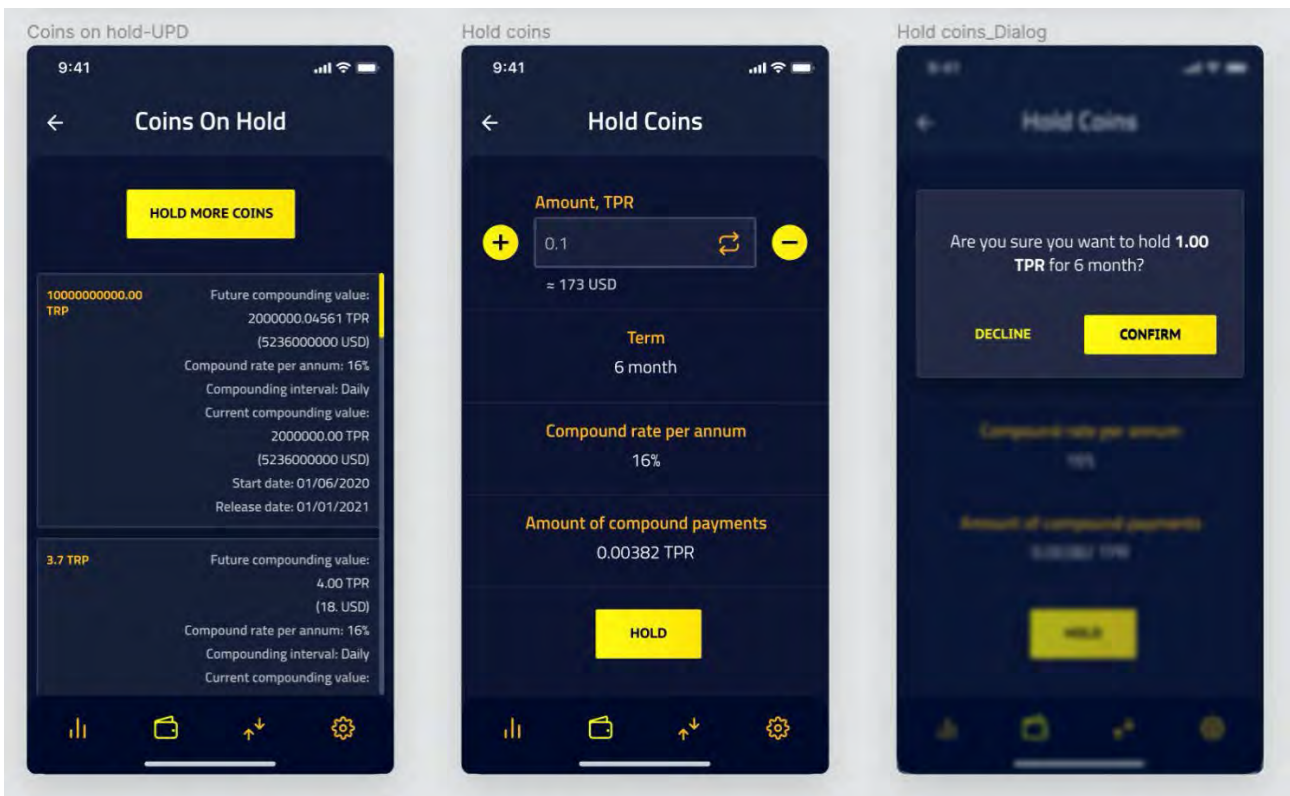
## 5.2 Holding Coins

Users may "hold" their coins in the TPR wallet to receive compounding per annum. Holds are virtual assets that can be purchased in the TPR wallet. 1 hold is equal to 0.1 TPR. Purchased holds cannot be transferred or sold until the hold period expires. Upon expiration, the hold amount as well as the COMPOUNDING are paid out by the smart contract.

There is nothing for the coin holder to do – the Smart Contract fully executes the transaction. Holding TPR coins locks the TPR coins in the user's relevant TPR wallet where the held TPR coins will be used to help validate transactions on the network. Again - There is nothing for the coin holder to do - the Smart Contract completes this task automatically. Holding coins should be distinguished from storing coins. Storing coins is the ability to deposit and store TPR coins in the TPR wallet with ease and without encumbrance.

Users holding coins reduces the number of coins that can be sold off which in turn, supports a reduced volatility, healthy and expanding economy.



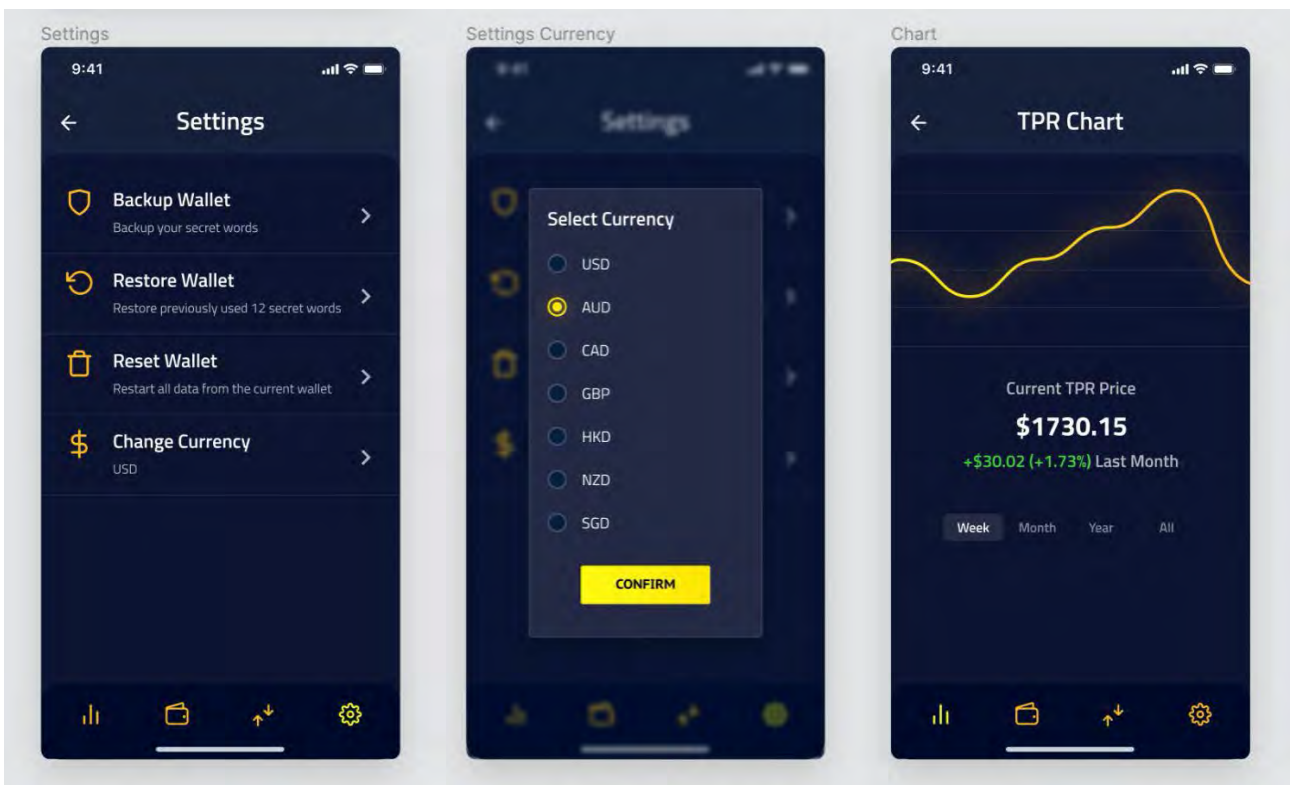


\*Please note the Compounding Rate displayed is for informational purposes only. The rate may vary from time to time.

When holding coins in the TPR wallet, there is a requirement for those coins to be locked for a minimum period of 6 months.

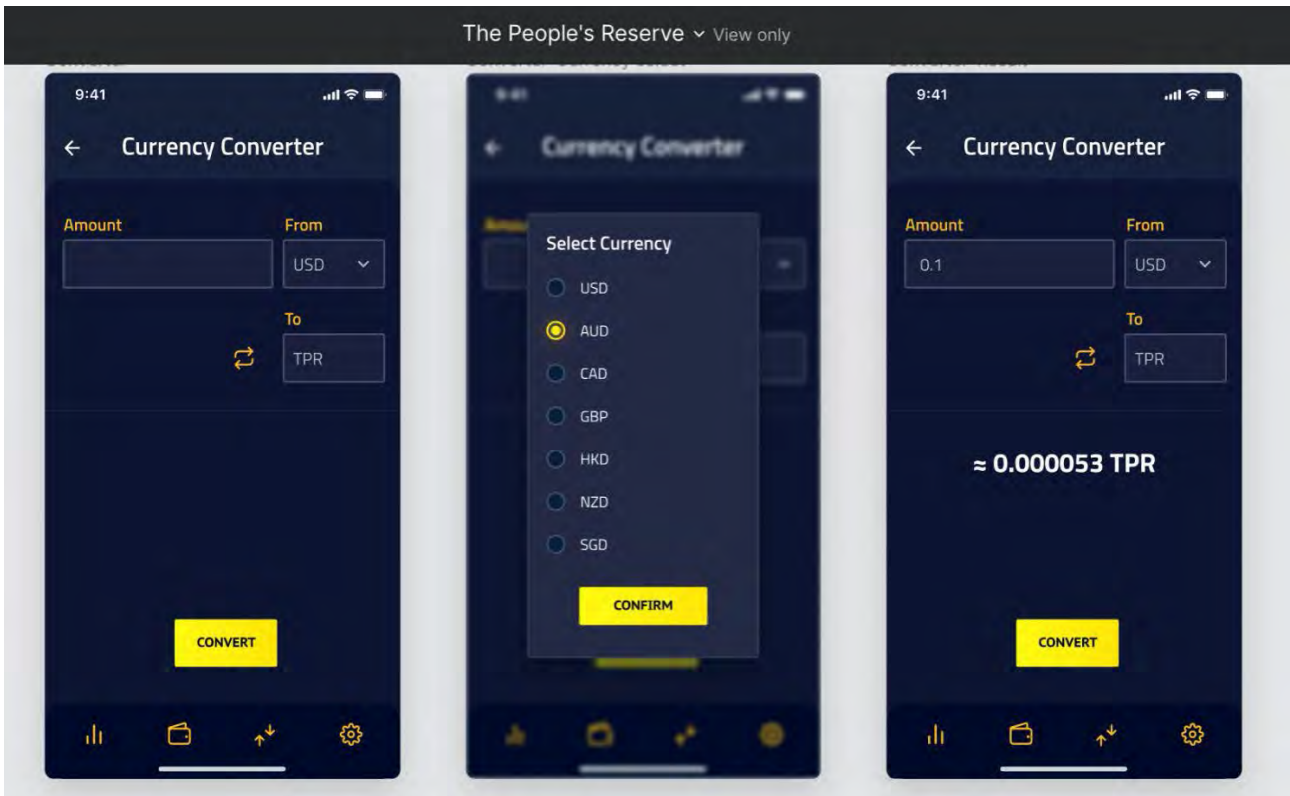
### 5.3 Currency Settings

The TPR wallet allows users to choose the currency that they feel most comfortable with to display the value of the TPR coins held in their wallet.





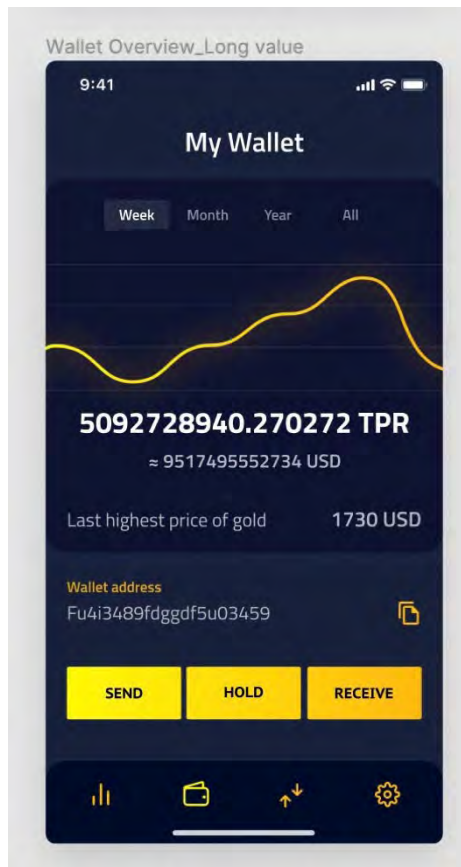
The TPR wallet has an inbuilt feature connected to market API's that will provide a representation of the value of your TPR.



#### 5. 4 Wallet Overview

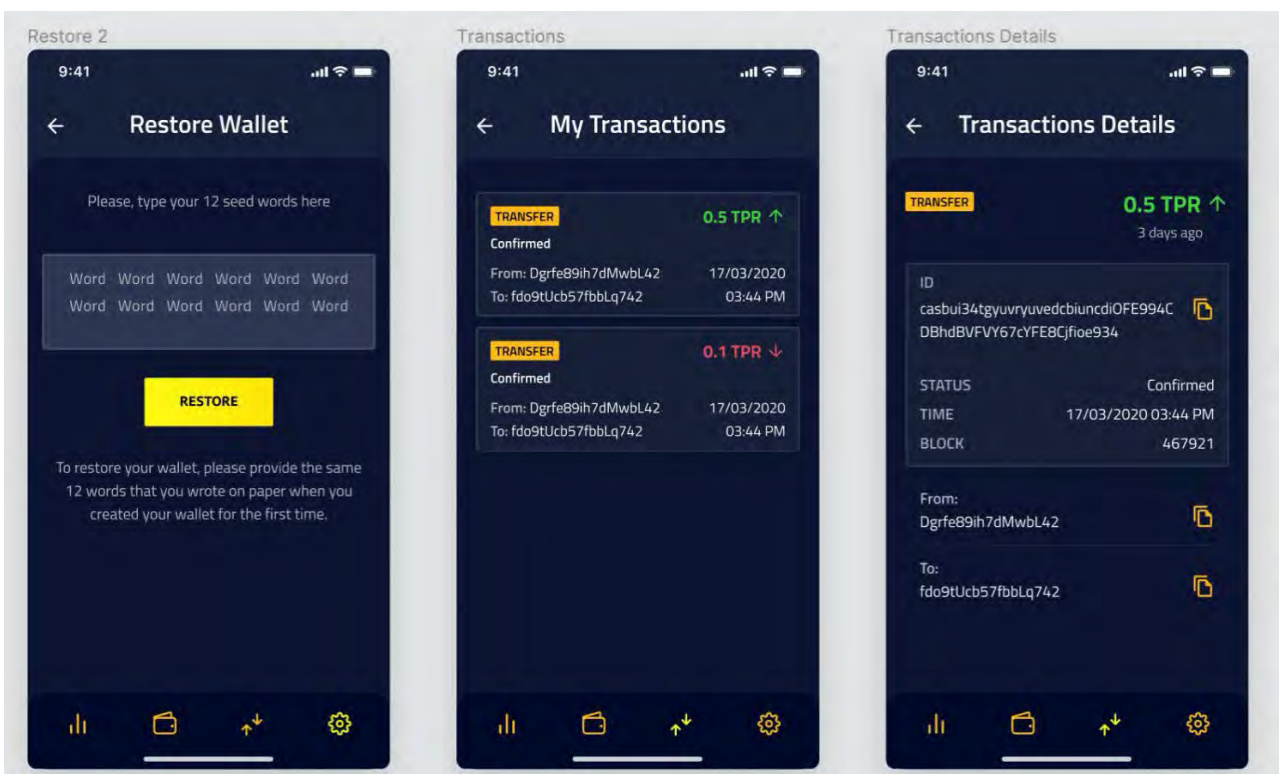
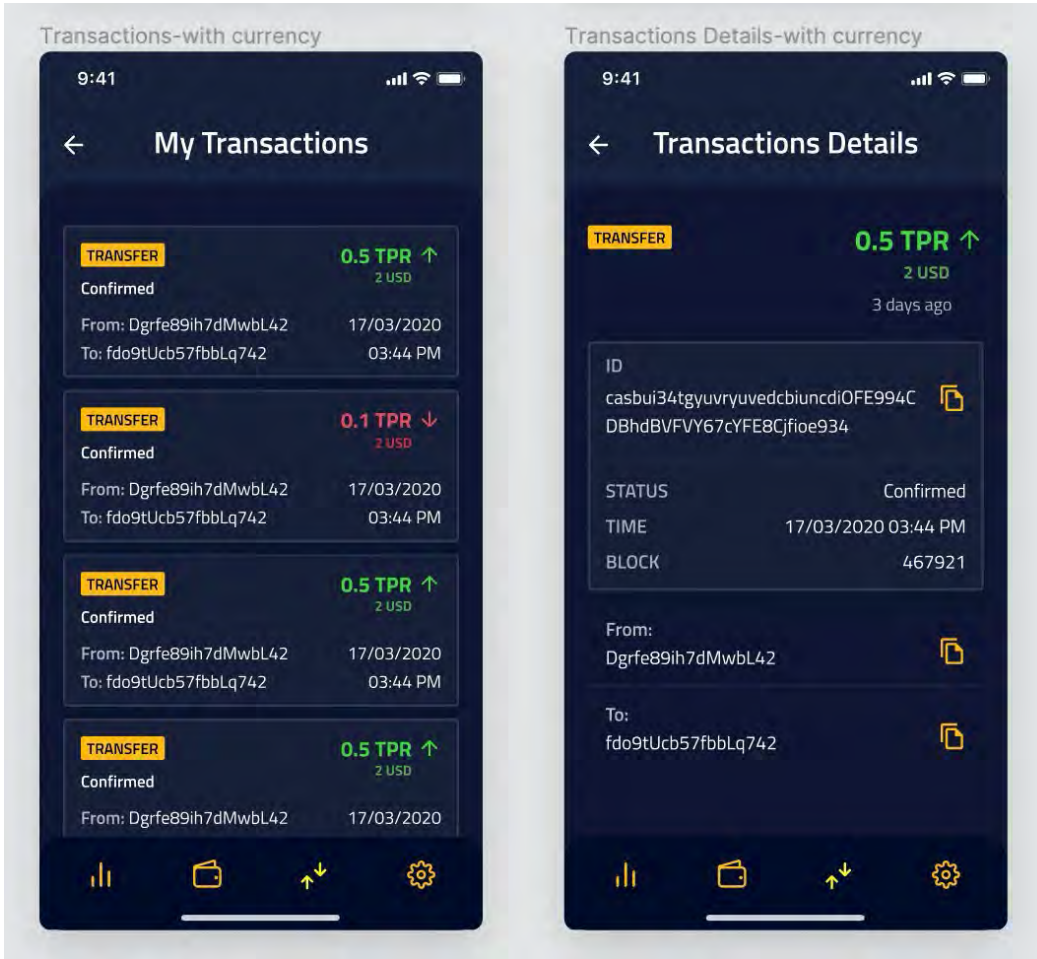
The TPR wallet has a simple wallet overview page when logged in.

It simply displays the amount of TPR held in your wallet, the value of TPR in accordance with the People's Reserve Exchange in your chosen currency and your wallet address as well as the ability to send, hold and receive coins.

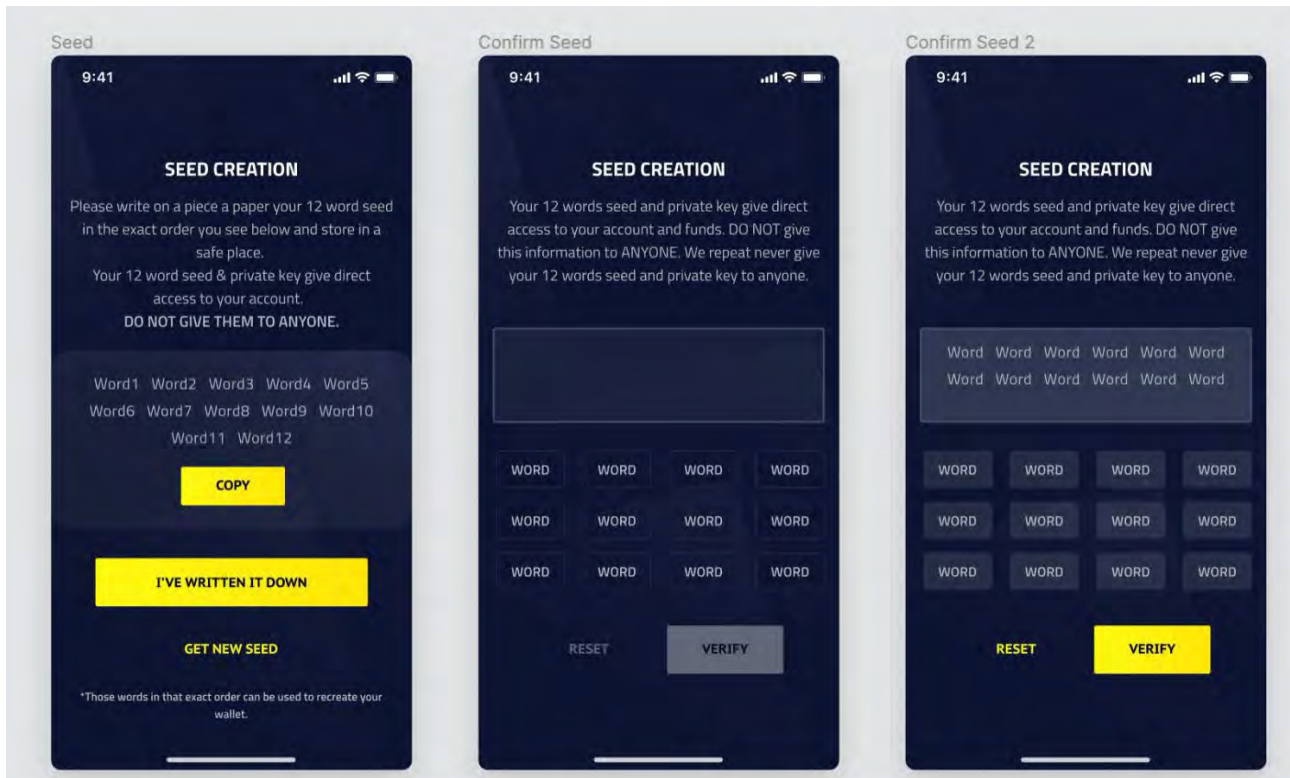


## 5.5 Transactions

The TPR wallet displays transaction in a clear and precise manner. The transaction screen displays incoming and outgoing transactions including the date, time TPR amount block number, what wallet address received the transaction and what wallet address sent the transaction.



## 5.6 Security



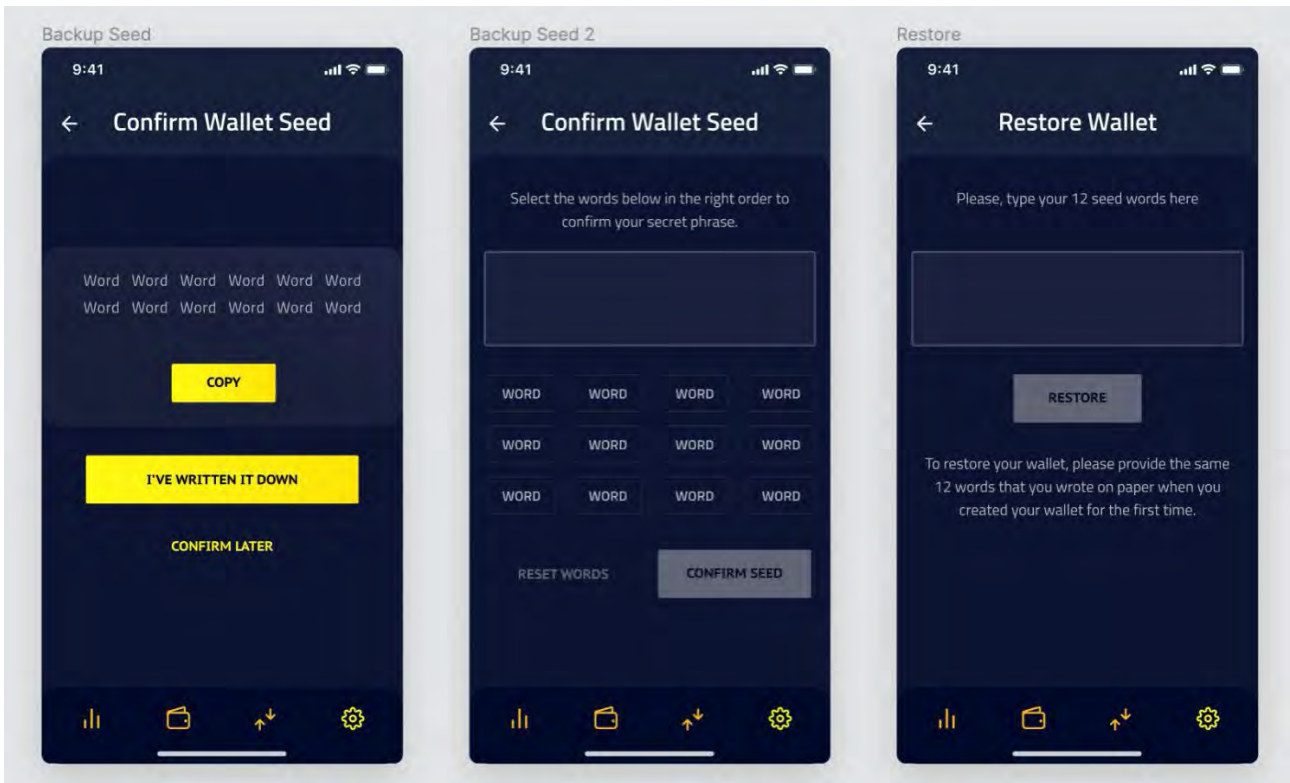
When a user creates an account with the TPR wallet they are presented with a seed phrase. This seed phrase will enable you to recover your wallet and its contents if you happen to lose your phone. Once you receive and have written down your seed phrase, you will be promoted to input it into the TPR wallet to ensure you wrote it down correctly. Please note, the seed phrase is sensitive to the order of wording.

The seed phrase must not be shared with any individual. We recommend writing the seed phrase on a piece of paper and store it securely. Users should not store their seed phrase anywhere digitally.

If your seed phrase is stolen, malicious individuals may try to access your wallet and seize the contents. If you lose possession of your phone and do not have access to your seed phrase there is no way of recovering the TPR Coins within your TPR wallet. Due to the nature of blockchain technology, TPR does not have access to your wallet and has no way of recovering contents of your wallet.

Keeping your seed phrase offline ensures that people are unable to retrieve the seed phrase remotely. Thus, the only way to retrieve someone's seed phrase if written down on a piece of paper is to retrieve that paper in person. Therefore, security of your wallet is significantly increased in comparison to a password in which people can obtain from a remote location in the event your device is compromised with malicious software.





An option contained in the TPR wallet is to restore a wallet using a seed phrase. User's may restore any wallet onto any phone compatible with the TPR wallet so long as they correctly input the seed phrase.

## 6. TECHNICAL INFORMATION

### 6.1. The TPR Blockchain

The consensus algorithm used by the TPR Blockchain is Permissioned Proof of Stake.

It is Proof of Stake protocol that grants permission with a manually selected list of consensus nodes. The TPR network is decentralized across multiple nodes that internally perform full consensus checks. No user involvement is required.

A Permissioned Proof of stake protocol, allows the data of the blockchain to be internally validated. User wallets are randomly selected by the internal algorithm and then likewise the transactions are checked and internally validated – by utilising the randomly selected users' wallets.

This happens automatically and in less than a second as a result of the Permissioned Proof of Stake algorithm.

Compounding Rewards Are Given To Users...

If and when required, users are agreeing to have their wallet used as a node and for this permission users receive compounding rewards.

To store blockchain data, the TPR Blockchain utilises Level DB, which has been developed by Google and successfully proven as a viable key-disk value-store. It has high performance and supports arbitrary byte arrays, both keys and values, singular get, put and delete, batched put and delete, bi-directional iterators, and simple compression using Google's Snappy protocol.



Consensus algorithm	Networks	Application scenario	Transactions per second	Consensus confirmation time	Number of consensus nodes	Tolerated malicious nodes	Resource consumption
Proof of work (POW)	Bitcoin	Public chain	<20tps	1 - 60 minutes	Unspecified	50%	High
Delegated proof of stake (DPOS)	EOS, Lisk, Bitshares	Public chain	>500tps	10 seconds	Less than 30	Unspecified	Low
Practical byzantine fault tolerance (PBFT)	Hyperledger fabric	Alliance chain/ private chain	>1000tps	1 second	Less than 30	No more than 0.5 of consensus nodes	Low
Basic Proof of stake (POS)	NEO, Qtum	Public chain	>20tps	15 seconds	Unspecified	50%	Medium
Permissioned Proof of Stake	The People's Reserve	Public chain	2000tps	3-9 seconds	Unspecified	Configurable, no more than 0.5 of consensus nodes	Low

## 6.2. Fee Structure

The TPR Blockchain uses a dual fee system.

### Bandwidth Points

Bandwidth points are required for TPR coin transactions and generating and using smart contracts on the Blockchain.

The transaction fee on the TPR blockchain is calculated in Bandwidth points. The transaction cost is based on size of the transaction in terms of data. 1 byte of data will equal 1 bandwidth point. A typical transaction will be the approximate size of 200 bytes equating to 200 bandwidth points.

Every wallet will receive 5000 Bandwidth points every 24 hours.

In the event the user no longer has bandwidth points their TPR Coin will be used to pay the transaction fee. 1 Byte will equate to 0.000010 TPR.

Thus, a normal user will be able to make approximately 25 transactions per day without incurring a cost due to the 5000 free bandwidth points received per day.

### Energy Points

Energy is required to create and execute smart contracts. In the context of the TPR Blockchain energy is a synonym for the output or cost required by the TPR blockchain to create smart contracts.

The energy required to execute a smart contract is variable depending on its complexity and size. TPR will be converted into energy when required at the rate of 0.000001 to 100 energy points.

Putting coins in hold, for instance, requires more energy than executing a compounding transaction and thus requires a bit more energy so a higher cost in bandwidth points.



### 6.3. Smart Contracts

#### a) TPR Reserve Pool Smart Contract

The TPR Reserve Pool has the ability to provide wallet holders with Mining (staking) or Compounding depending on the feature of the contract that is utilised by the individual.

Via the TPR wallet, each user accesses the “TPR Reserve Pool” via smart contract via their TPR wallet in order to access these features.

The TPR Reserve Pool is operated in a decentralised manner, meaning that the terms of the contract cannot be changed by any one individual.

The TPR Reserve Pool holds all the non-circulating coins that are available on the TPR network.

#### b) Gold Price Smart Contract

Gold prices are set by the oracle every 24 hours.

### 6.4. Price Stabilization Algorithm

The price stabilization algorithm is inbuilt into the TPR coin’s code which is reflected on The People’s Reserve Exchange. It is a non-collateralised algorithm based on the quantity theory of money.

The quantity theory of money is a formula used by Economists to determine the features required to stabilise an unstable currency.

The quantity theory of money states:

“If the amount of money in an economy doubles, price levels will also double. This means that the consumer will pay twice for the same amount of goods and services. This increase in price levels will eventually result in a rising inflation level; inflation is a measure of the rate of rising prices for goods and services in an economy.”

In order to avoid this, we want to implement the potential stabilising mechanisms.

As it relates to price stabilization, of the coin, and the implementation via smart contract of the quantity theory of money, non-collateralised algorithm we consider 2 scenarios:

#### (a) The price rises relative to the gold price

In this scenario, the non-collateralised algorithm would attempt to stabilize the price by selling TPR coins, from the internal TPR Reserve pool. Internal meaning, within the algorithm itself so it is self- facilitating.

#### (b) The price falls relative to the gold price

In this second scenario the non-collateralised algorithm could choose to offer up to 35% mining and compounding for a 2 year hold in order to reach the consensus value.

The algorithm is further supported by anchoring the value, by creating consensus and a fiat-backed reserve pool making the coin unusually multi-faceted in its number of stabilizing mechanisms.



## 6.5. Non-collateralized algorithm

Blockchain technology offers us a new era of possibilities. We no longer need a third party to confirm transactions. We can code rules and parameters as Bitcoin has by halving its supply every four years.

We can't do that with Gold, or oil or wheat but with Blockchain we can.

Conventional stable assets require collateral. It is a backing pool that provides the stability of the asset. This pool can be in the form of fiat currency, gold or other precious metals, shares, etc. However, this form of collateral tethers the asset and makes it less flexible, losing some of the conveniences of cryptocurrency.

We believe removing the collateral solves these problems. In particular, it allows the coin to facilitate an expanding economy without the constrictions of a physical asset.

In order to achieve that, an anchored coin mechanism is used by The People's Reserve.

## 6.6. Fiat-Backed Reserve Pool

To further support the coin anchoring The People's Reserve deposits 50% of all coin sales, through the TPR exchange, into a fiat reserve pool.

We have anchored value, non-collateralised algorithm, a self-funded fiat-backed reserve pool and consensus all aiding in The People's Reserve Stabilisation.

## 6.7. Stability and Security

As previously mentioned, the TPR coin is an anchored coin, thus it validates its value via multiple facets which in turn attributes to a potentially more stable coin than those simply subject to market supply and demand such as Bitcoin and Ethereum.

It is standard practice to see cryptocurrencies traded on an open market; their value is derived from price discovery mechanisms such as crypto exchanges and as a result, are highly volatile.

The lack of stability causes uncertainty and dissuades both vendors and buyers from using them as a currency. Imagine, buying \$100 worth of coins, only to find that the next day they are worth \$50.

## 6.8. Transaction speed

Thanks to efficient Permissioned Proof of Stake consensus, The People's Reserve can achieve very high transaction throughput. Stress testing has shown capacity up to 2000 transactions per second with only 3-9 second settlement times under the current conditions.

## 6.9 Limitless potential use cases

The People's Reserve network combined with the stable TPR coin becomes even more powerful. The TPR coin allows companies, merchants and individuals to settle their financial operations directly on the platform, (no third party required IE: Banks etc.) using all of its advantages. This makes The People's Reserve an ideal platform for decentralized applications.



## 6.10 Rewards and holds

The People's Reserve provides compounding rewards at 12% and various other options at 16% - 35% per annum.

As long as coins are held in a user's wallet, any coins receive a minimum of 12% Compounding rewards per annum payable each day. These coins can be transferred or exchanged at any time and the remainder will keep receiving the rewards.

Additionally, users may be offered the opportunity to hold their coins for up to 2 years in order to receive an increased compounding yield. (compounding as high as 35%) Held coins cannot be withdrawn, however, they receive increased compounding as part of the non-collateralized stabilization algorithm.

The reward component ensures that the correct amount of rewards are paid out to each user under the TPR Reserve Pool.







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