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IMPAY
INSTANT MESSAGE PAYMENT SOLUTIONS

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1.What's IMPay (International Micro Payment Solutions)?

IMPAY is a low-commissioned blockchain mobile payment system based on QR code which will allow every smart phone to get payment by using blockchain. IMPAY provides international micro money transfer at low costs.

Problem: POS device costs and Member Workplace Commissions are high in banking payment systems. For example: When you make a purchase from abroad, the commission rate to be reflected to the member merchant can be up to 4%. (This rate is around 2% also inside the country.)

Solution: We aim to reduce intermediary bank and card commissions by using the Blockchain system. During international payments, people will be able to spend money in the country where they are with that country's currency by converting their money into the crypto currency with our mobile app that corresponds to the local currency of the country.

Problem: Transfer speed of bitcoin and most crypto currencies are slow compared to payment systems like Visa and MasterCard.

Solution: We will create tokens on bitshares graphene blockchain system which can work with 100,000 tps faster than Visa and MasterCard.

Problem : Decrease in trust when companies and individuals trade with each other; the lack of an escrow system which is secure, widely available and easy to use.

Solution : With Impay Escrow service, the individuals send the amount that they pay to each other for the products they sell or for the services they provide in the form of IMP which they get through the stock market. The crypto-currency which was send transferred to IMPAY pool wallet account. Customer has entered the information which conditions the money will go to and the seller can see the terms of the buyer and also the amount invested can be seen in his / her mobile application. The customer gives approval after receiving the product or service and the crypto currency belonging to the seller in the Impay pool account will be transferred from pool account to the seller wallet. For this service Impay works with commissions as low as 1% and the possibility of safer business deals will be offered with mobile escrow service. In this context, we plan to define the Impay token (IMP) as an escrow contract in the blockchain and use it as a stock exchange Token.

Problem: Member workplace payments are not made daily in most of the banking payment systems

Solution: In the blockchain payment system, the crypto currency is transferred instantaneously. Member business does not wait for days for their money to arrive.

Problem: Higher correspondent bank fees when sending money with Western Union and Swift systems (For example: \$ 30 will be charged to transfer \$ 100.)

Solution: 100 Impay Euro over Blockchain will be send as 0.2 euro. Since the Impay will take lower commission and is fast, it will be preferred more in micro money transfers.

Problem: The risk of theft of card numbers in card payment systems (Shopping can be made in lots of sites without sms verification.)

Solution: In the QR code payment system, there is no data that is open and can be stolen. The person verifies payment by his password or fingerprint.

2. Application Features

- IMPAY offers a block-chain wallet. IMPAY can keep on tokens and allows token transfer to other people by giving them the QR-code or by entering the address of the wallet directly.
- There will be 2 types of tokens at the begginnig; IMPAY Euro (EURI) and IMPAY Token (IMP). IMPAY Euro is sold at 1 Euro by filling KYC form and depositing euros from customer's bank accounts. IMPAY Euro will be stable token and will be used QR Shopping. IMPAY Token will not be stable token. IMPAY Token (IMP) will be used for escrow contract. There will be 180 million IMPAY Token.
- IMPay Euro is used for QR Code based Payment System on tablets and phones. One can can read the QR data using the application on his phone, to transfer the payment to other party via the blockchain as IMPAY Euro. This payment system is also a qr-based secure money transfer system between people. The transfer process can also be done by entering the address of the wallet without the QR data.



- IMPAY Tokens will be given to customers as a bonus.IMPAY Tokens can be converted to IMPAY Euros through Exchange sites.
- There will be ICO for IMPAY Token. IMPAY Tokens will also be used for escrow contract for users of IMPAY applications.

- Thanks to the IMPAY smart contract feature, the mutual agreement can be made electronically. The cost of agreement and money transfer between companies will reduce and can be made easier.



- Thanks to the escrow deposit wallet feature, IMPAY token transfers are initiated as soon as the contract between the parties is provided. Even if the people do not know each other, a safe deposit box service is available which can be used for portable and non-portable items sale transactions among themselves. A person will see from his mobile app that the buyer has deposited his money as IMPAY tokens, he then delivers the relevant movable property or real estate etc. With the approval of the buyer, the system releases the deposited IMPAY Tokens and the transaction to the opposite side will be completed.



- Impay will also provide instant messaging service for the users. A person can send IMPAY Euros or IMPAY tokens (IMP Escrow Contracts) with the convenience of sending messages to people in the phonebook. Users can send crypto moneys by validating with pinpad or fingerprint on the mobile application.



- All your messages will be encrypted with a high-security algorithm on your phone, and this will be decrypted on the other party's phone, providing end-to-end security.
- By using whitebox crypto module installed on the phone, we will even keep your messages and file contents encrypted inside your phone using a highly reliable algorithm.



- The application protects your IP information and does not lock you into third parties and you will not be vulnerable to attack.
- In different countries of the world, there exists constitutional right called the right of communication secrecy. For example, Constitution of Russia Article 23: Everyone has the right to privacy of communication, including telephone conversations, mail, telegraph and other types of messaging. This right can only be restricted by court decision. Constitution of Italy Article 15: Freedom of communication and the right to use all forms of confidentiality and communication are inviolable. IMPAY application protects your rights.

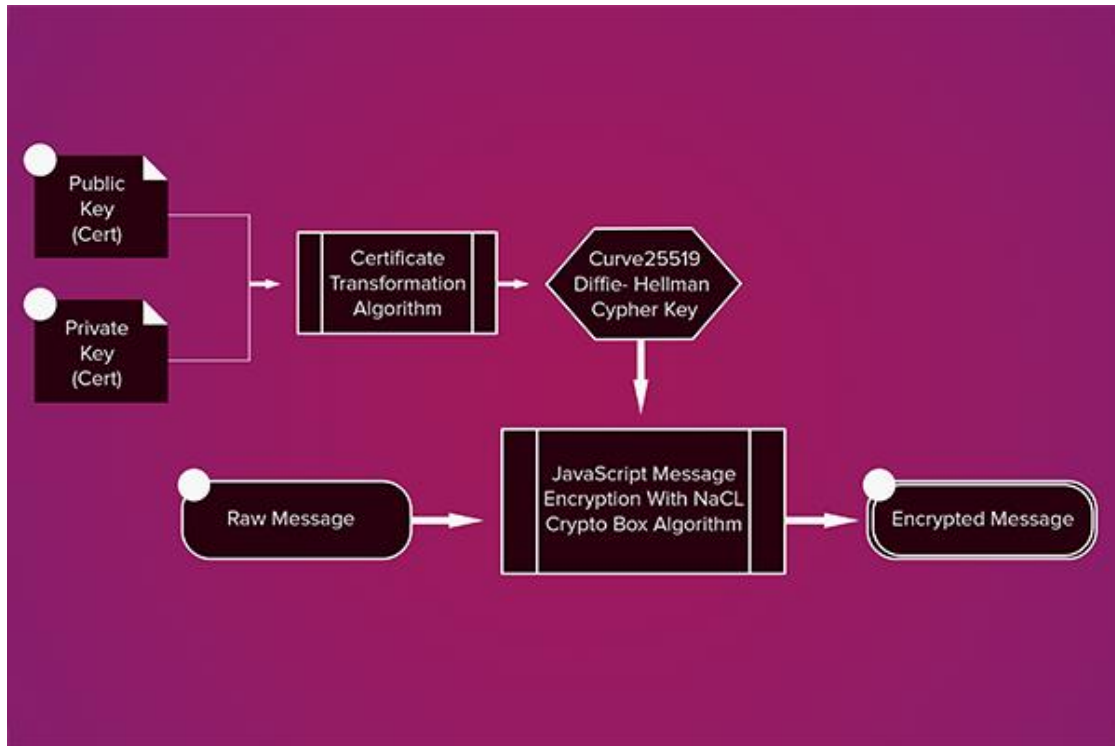
- One of our goals is to put our own KIOSKS at major airports around the world, in order to provide 24/7 tokens conversion into cash. Users can be able to deposit their cash as a IMPAY Euro, no need to carry their euros in their physical wallet. With this, users can withdraw their deposits as a local currency by using our mobile phone application by reading the qr-code on the kiosk screen and inputting the pin.



- We will make agreements with some tourism companies. Customers will be able to buy vacation packages and make hotel payments from malta with discount prices. Customer will also be able to pay by scanning qr-codes on internet web pages



3.IMPAY Technical Framework



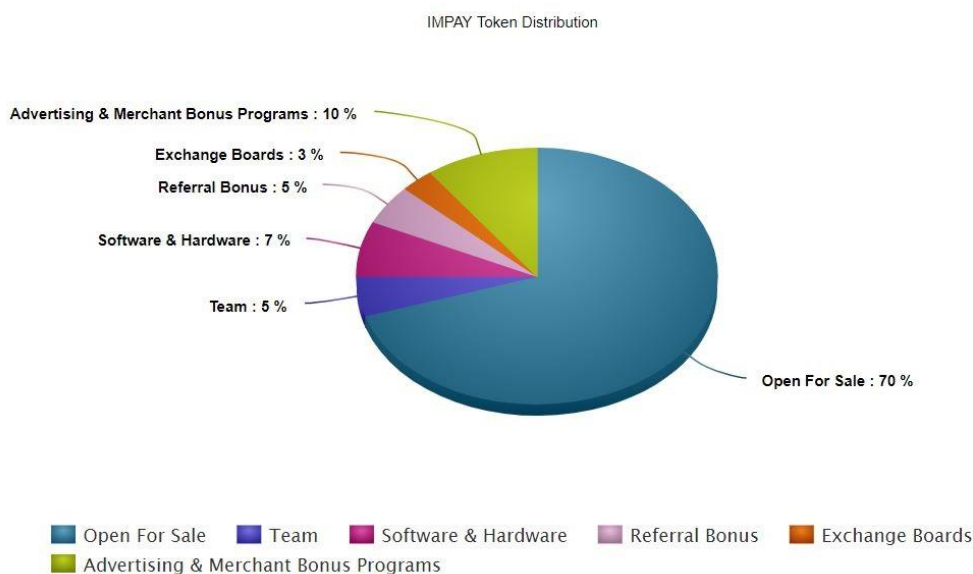
The IMPAY messaging system will use the end-to-end Curve25519 encryption algorithm as the encryption algorithm. Messaging, voice calls will take place peer to peer. Messages and calls will not be stored on the blockchain.

IMPAY tokens will use Delegated Byzantine Fault Tolerance (dBFT), which provides a more secure framework, and will work on the NEO blockchain framework. There will be no mining.

The Byzantine Fault Tolerance (BFT) is a proposed alternative consensus algorithm to the better known Proof-of-Work and Proof-of-Stake algorithms. Notable blockchain projects like Ripple, Stellar, Hyperledger are investigating versions of BFT systems for their blockchain-enabled products. Byzantine fault-tolerant algorithms could be increasingly important in the future due to their ability to minimize attacks and software errors which lead to faulty nodes and arbitrary behavior.

We will use bitshares graphene blockchain infrastructure for IMPAY Euro tokens. Graphene is capable of 100,000 TPS for the payments. IMPAY euros will be able to transfer in one second on the blockchain.

4.Token Distributions & Use Of Funds



Token name: IMPay Token (IMP)

Total Number of Tokens: 180.000.000 pieces

Initial Price of ICO: 20 CENT

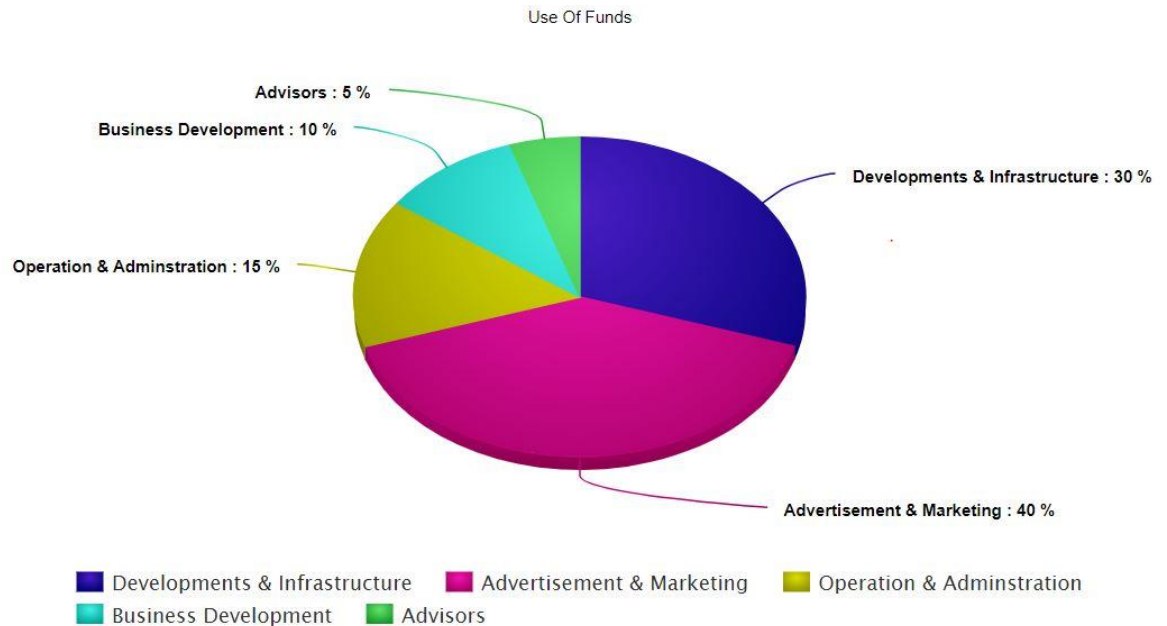
Number of Tokens to be issued for sales to ICO: 126.000.000 units

Recommendation Bonus Percentage: 5% of the number of tokens received by the person recommended by the reference link is awarded as a bonus token to the reference.
(Approximately 6 million tokens are allocated for bonus)

For System framework, software development activities: 12,000,000 tokens.

For Advertisement, Marketing Programs: 18.000.000 tokens

Number of Coins for Founders and Team: 9,000,000 tokens, 8 million of which will be **locked** for 1 years. Total number of tokens to be used on the exchange: 5.000.000 tokens, 4 million of these coins will locked in the first year and will not be used. 1 millions of tokens will be used to prevent price speculation and to provide step-by-step progress.



5. Road Map

2018 4th-Quarter:

2018 September : ICO process begins for IMPAY Tokens.

2018 October: Prototype QR Payment Application will be released based on IMPAY Euro.

2018-December: ICO process is completed. We will open web wallet application that is loaded IMPAY Tokens.

2019 1st-Quarter:

2019-January: Integration with exchange sites in order to add our tokens.

2019-February: IMPay's Android application v2 will be published with qr payment features on the blockchain.

2019-March The marketing department will start signing payment agreements with different companies.

2019 2nd-Quarter:

2019-May: IMPAY v3 will be published, Android Mobile Wallet will be released with escrow functionality.

At the beginning of 2019-June: The marketing department will publish the list of companies with partnership agreement about the qr merchant program in Malta.

2019 3rd-Quarter:

2019-July: Software updates will be made based on feedback received from users.

2019-August: Escrow feature agreements will be made with different companies related to this application.

2019 4th-Quarter:

2019-November: IOS application new version will be released.

2020 1st-Quarter:

2020-Feb: Messenger part will be added our mobile application.

2020 2nd-Quarter:

KIOSK will be installed at major centers and airports in order to withdraw money.

2020 3rd-Quarter:

Creating a group in the app, Video Conference and group message features will be added on Android application.

2020 4th-Quarter:

New version of the IOS application will be released with new features such as image and file transfer, video conference etc.