



# Quantopay<sup>®</sup>

*White Paper*

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



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# ABSTRACT

Fintech and Mobile Banking applications have captured mass attention but still have not been able to achieve mass adoption due to scalability, regulations, user experience but most of all due to lack of financial education. If we add DeFi to the mix, things get even more complicated, as the current global technical landscape is very hard to be understood and used by the majority of people. If we look at the global Crypto users statistics, we observe that only around 4% of the population own cryptocurrency, out of which 80% have at least a bachelor degree.

We believe that the access to financial services should become not only a fundamental right, similar to the access to education and to health services, but as well easy to be accessed by everyone.

A large percentage of the world population is either financially excluded or has no real or easy access to available financial services. When speaking about our so called "target" groups in today's world we

☐ Young generation with an affinity and/or openness to use technology in everyday's life, trusting technology and its opportunities (generation Z, Y, Millennials).

☐ Young **people that have no access to DeFi services** due to lack of in-depth technical understanding.

☐ Underbanked people who are just using the financial services in a very limited manner.





Combining traditional banking services with the undoubtable benefits that were brought by DeFi services, we are creating an easy to use banking and DeFi solution that is designed to allow any person to benefit from today's best financial services including:



Opening of bank accounts



Deposits



Transferring and receiving money



Microfinance



Using multi currency accounts



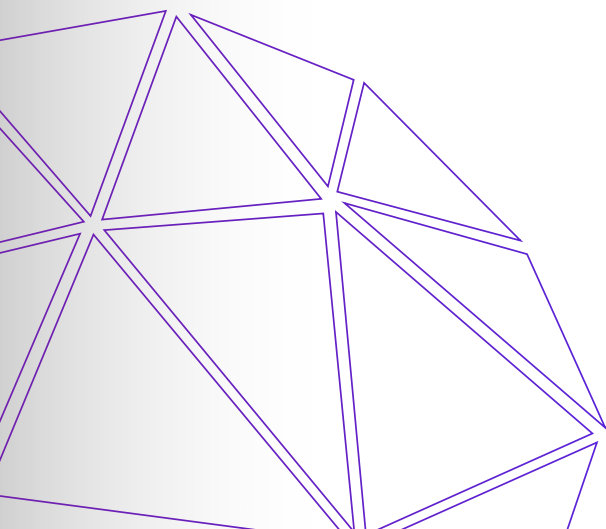
Remittances



Crypto trading



Loans guaranteed by  
crypto assets



# INTRODUCTION

Access to financial services should be a fundamental right, similar to the access to education and to health services (at a global scale). Financial inclusion can empower people and communities to meet basic needs, such as nutritious food, clean water, housing, education, and healthcare. Financial inclusion also has a critical role in the efforts to help people prepare for, respond to and recover from global health and economic crises, such as COVID-19. The gateway into the core of financial services is a bank.

Banks are very important parts of the current world as they provide vital services for both consumers and businesses.

As financial services providers, they give people a safe place to store, and use their money.

Through a variety of account types such as checking and savings accounts, and certificates of deposit (CDs), people can conduct routine banking transactions like deposits, withdrawals, check writing, and bill payments.

People can also save their money and earn interest on their investments.

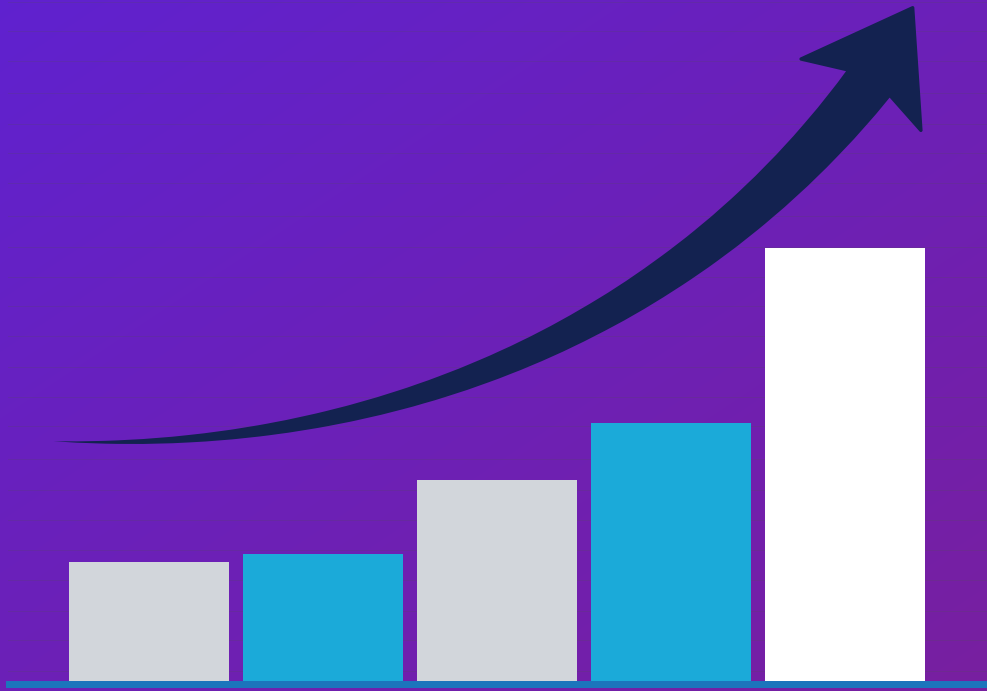
In the past 2 decades we have seen that besides the traditional brick and mortar type of banks a new type of banking appeared, the digital banking.

Thanks to the power of digital banking, many consumers have never set foot inside a brick-and-mortar bank.

From the ability to access everyday banking functions via a computer or mobile device to empowering cashless transactions at a wide swath of stores, it would appear that digital banking isn't just the future.

It's now.





But why do we still have the issue of financial inclusion with all the traditional brick and mortar banks and the abundance of digital banking? The answer is simple and has 2 components:

1

The costs of financial services are high and the repayment schedules are strict. Many poor individuals have issues in affording these costs on time. This leads to high fees for late repayments, loan defaults and over-indebtedness, thus preventing financial inclusion from reducing poverty. More than that, most of the banks have a lot of hidden fees and people have lost trust in these institutions.

2

The lack of financial education and the difficulty of the current technology especially in the crypto world.



# QUANTOPAY VISION

QuantoPay aims to demystify DeFi and traditional banking services by offering its users an easy to use mobile application that provides all the services that are needed for someone to be considered **financially included**.

The present financial system is supported by large-scale financial institutions that provide financial services, e.g., banks, insurance companies, credit card companies, housing finance companies and money transfer companies, which provide services that are hard to be understood by the majority of the people or that cannot be accessed due to the need of being physically present in a brick and mortar facility. Sending money across international borders is still very complicated and expensive, with charges per transaction averaging at 7.45%.

People are expected to carry out banking operations such as cash deposits and withdrawals by being physically present at the banks, and there are costs attached to these operations.

The problem here is that, despite the fact these businesses have existed for a long time, accessibility remains an issue. According to the World Bank, 2.0 billion people still do not have access to a bank account.

The World Bank Working Paper entitled - The Global Findex Database, Measuring Financial Inclusion around the World, quotes:

*"Moving from cash-based to digital payments has many potential benefits, for both senders and receivers. It can improve the efficiency of making payments by increasing the speed of payments and by lowering the cost of disbursing and receiving them."*

Our mission at QuantoPay is to solve the financial inclusion issue by **bringing traditional banking and DeFi services to everyone in the world.**

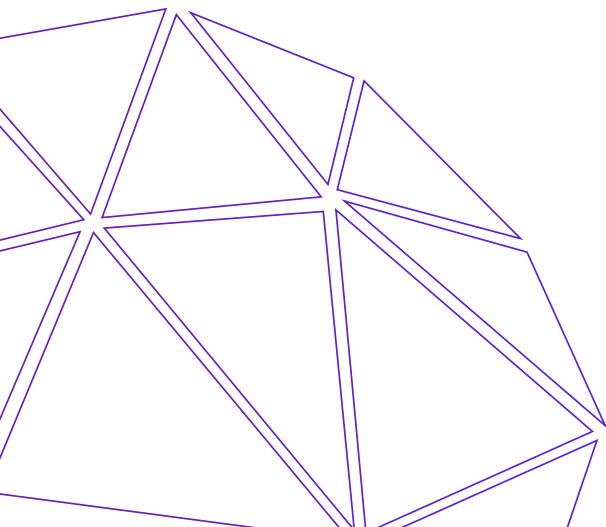




# QUANTOPAY EXPLAINED

QuantoPay is an ecosystem of software solutions, constructed around an easy to use Mobile Application, that aims to solve the issue of financial inclusion by focusing on bringing traditional and modern financial services to all users. It is a platform that acts as a one-stop solution for financial services, combining traditional banking services (open an account, payments, receive money, remittances, currency exchange, etc) and DeFi services (buy and sell crypto, token swaps, staking, lending, deposits, composability etc.)

To reach our goal of creating an easy to use solution that will bring traditional and modern financial services to the palm of our users we have grouped QuantoPay's functionalities in 3 major categories:





## 1. Infrastructure

To reach an optimal state of connection with the traditional banking system and to meet all the requirements of complying with the financial world's regulatory landscape, QuantoPay partnered with Contis and Visa for providing a PCI/DSS compliant solution that ensures its users transactions.

Also, together with Onfido, QuantoPay delivers a fully compliant KYC/AML onboarding process that respects the rules imposed on any banking institution in the world.

Thus, the Infrastructure functionalities are:

- ⌚ Security
- ⌚ Onboarding
- ⌚ Payment processing



## 2. Traditional (Digital) Banking Services

In modern times there are many services that are offered by the banks. This is done so that more and more customers are attracted, but also to provide people means and tools to use their money in a smart way. Despite the plentitude and diversity of banking services, there are some basic services that are typically offered by the banks. These basic services are common for all banks:

- ⌚ Accounts to receive or transfer money
- ⌚ Advancements of loans
- ⌚ Deposits that carry an interest rate
- ⌚ Cheque payments
- ⌚ Collecting and paying the credit instruments
- ⌚ Bank guarantees
- ⌚ Credit cards
- ⌚ Funds remittance
- ⌚ Debit cards



QuantoPay has chosen to implement all the common banking services and added some new features that are mandatory to offer its users the full spectrum of tools to get the most out of using their money smartly. QuantoPay traditional banking services at a glance:

- |                                                                           |                                                |
|---------------------------------------------------------------------------|------------------------------------------------|
| ⌚ Open new account(s)                                                     | ⌚ Loans with highly competitive interest rates |
| ⌚ Open new subaccount(s)<br>(i.e. create a subaccount for their children) | ⌚ On-line card and account management          |
| ⌚ Multi Currency account(s)                                               | ⌚ VISA Payment card                            |
| ⌚ Instant payments & transfers                                            | ⌚ Direct Top Up                                |
| ⌚ Contactless/Cashless payments                                           | ⌚ Cashback                                     |
| ⌚ Remittances                                                             | ⌚ Business accounts                            |
| ⌚ Deposits with highly competitive interest rates                         |                                                |

### 3. DeFi Services

Short for decentralized finance, DeFi is an umbrella term for a variety of applications and software projects in the public blockchain space geared towards disrupting the traditional finance world. Inspired by blockchain technology, DeFi is referred to as financial applications built on blockchain technologies, typically using smart contracts. Smart contracts are automated enforceable agreements that do not need intermediaries to execute and can be accessed by anyone with an internet connection.

DeFi gave finance a new direction by enabling lending and borrowing. Widely regarded as 'Open Finance', decentralized lending offered crypto holders lending opportunities to gain annual yields. Decentralized borrowing allowed individuals to borrow money at a specific interest rate. The aim of lending and borrowing is to serve financial service use cases while fulfilling the needs of the cryptocurrency community.

QuantoPay decided to add DeFi services to its users with the goal of allowing them to benefit from all the added value and benefits that was brought by the DeFi services in today's economic world, and also to use the blockchain technology in order to provide full transparency on QuantoPay's fee structure.

DeFi related services offered by QuantoPay:

- Ⓢ Crypto Wallet Management (QuantoPay will act as custodian of Private Keys)
- Ⓢ Buy and sell Cryptocurrencies (also Swap between Cryptocurrencies)
- Ⓢ Send and receive Cryptocurrencies
- Ⓢ Pay in cryptocurrency
- Ⓢ Cryptocurrency Deposits
- Ⓢ Cryptocurrency Lending
- Ⓢ Highest interest rate on deposits in the banking world
- Ⓢ Fastest loans in the banking world
- Ⓢ Use cryptocurrencies as collateral for crypto and FIAT loans with the highest loan to value ratio (up to 90%). (Allow users to get loans in FIAT and withdraw instantly to credit card and personal banks)



# QUANTOPAY LENDING

As underlined in the Abstract, nowadays financial inclusion also should refer to access to DeFi. QuantoPay is combining traditional banking services and modern **DeFi** services to provide tools that will not only improve QuantoPay users daily life, but also allow them to put their money to smart use, gaining rewards and benefits.

One of the key banking services (and also DeFi) is **loans**. In traditional banking loans are hard to obtain and the process of getting one is tedious due to many required documents, guarantees, backup checks etc.

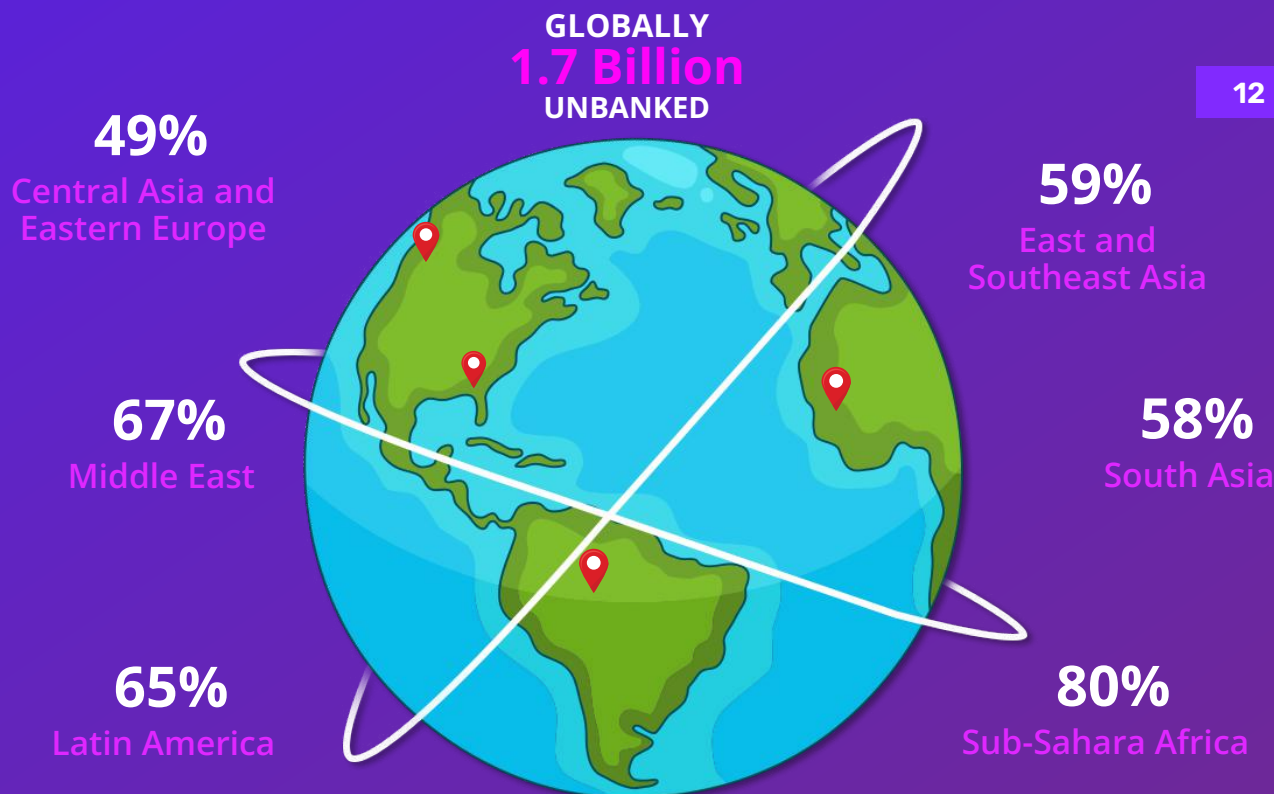
QuantoPay addresses the access to loans by allowing its users to guarantee their loans using their crypto assets. This means that if a user has crypto collateral staked in QuantoPay, he will be able to make card payments even if the card has no FIAT available.

The amount spent would accumulate as debt just like in traditional american credit cards. At the end of the month the users can repay fully or partially that loan and lower the Debt-to-Value ratio. Thus, QuantoPay will offer an innovative loan system with several benefits:

- Ⓟ No need to manually borrow large sums of money and withdraw to a credit card account before starting to spend.
- Ⓟ Access to money is instant and only requires the existence of an amount of crypto staked.
- Ⓟ Users will not lose yield (for example there are underlying protocol like AAVE which pay rewards).
- Ⓟ Users pay very low interest on the borrowed amount because DeFi protocols also incentivize borrowing with rewards.







## QUANTOPAY TARGET MARKET

QuantoPay was created first of all to solve the financial inclusion problem and secondly to bring DeFi services to normal users. Thus the target market is composed from 2 categories of people:

### Non Crypto Holders

There are approximately 300M crypto users worldwide out of which **82%** have at least a bachelor's degree. These numbers show clearly that the current Crypto and DeFi world is very hard to be understood and to be used. It looks like only people with a higher level of education have access to the Crypto world. We know without doubt that all people should at least be aware of this new type of financial instrument that could facilitate their daily life and also allow them to benefit from this new market's added value.

### Unbanked

1.7 billion adults, Women make up 55 percent of the world's unbanked adults: 1.1 billion. The traditional market in these regions provides minimal accessibility to banking services for its occupants. In terms of market opportunities we are looking at the following image



# QUANTOCOIN

The digital cryptographically-secure utility token of the QuantoPay ecosystem is QuantoCoin (QTCT). It (QuantoCoin) is a major component of the ecosystem and is designed to be adopted for use as the primary token that will allow QuantoPay users to receive discounts, benefits and share of the profit.

Main functions of QuantoCoin from a customer's perspective:

- Ⓟ QuantoCoin holders are part of the QuantoPay project and can participate in the potential rise of QuantoPay value.
  - Ⓟ Participating in voting processes that would decide what additional functionalities should be added in QuantoPay and/or deciding what social responsibility projects should benefit from part of QuantoPay profit.
  - Ⓟ The QuantoCoin holders will have access to exclusive QuantoPay services, which will be conditional to holding QTCT on their accounts.
  - Ⓟ QuantoCoin token enables traders to cut maker/taker fees on QuantoPay Exchange (either own exchange or a 3rd party).
  - Ⓟ QuantoCoin token enables QuantoPay customers to reduce transfer fees.
  - Ⓟ Discounts for taking crypto or FIAT loans for QuantoCoin token holders.
- \*the percentages will be established after integrating with 3rd parties and will be dependant on the results of commercial negotiations

QuantoCoin acts as an utility token that:

- Ⓟ Validates access rights to certain functionalities.
- Ⓟ Allows micropayments to thousands of QuantoCoin holders.
- Ⓟ Provides full transparency through Open Ledger.
- Ⓟ Allows us to share profits with our community.
- Ⓟ Allows QuantoPay to swap cryptocurrencies when in need of gas/transaction fees for allowing access to certain 3rd parties.





# QUANTOCOIN' TOKEN ECONOMICS

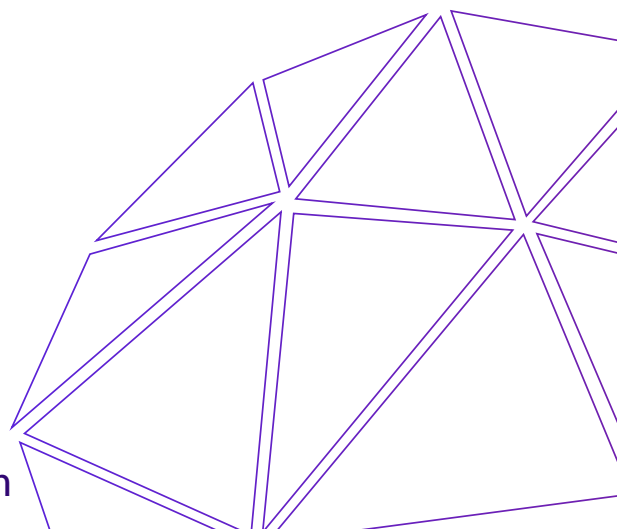


QuantoPay acts as an all-in-one banking and DeFi services aggregator. The software provides own functionalities and also gateways to third parties (i.e. Contis, Onfido, Visa, Aave, Synthetix etc.)

QuantoCoin was conceived to allow us to create a Quanto community in our efforts to achieve a global footprint. A certain percentage of the profit will be used to pay the QuantoCoin holders.

In future the money raised from the sale of Quantocoin, will be used for further development of QuantoPay and will help us follow our roadmap, ultimately increasing the Quanto community.

There is a limit of **99 million QTC tokens** being issued. No further tokens will be generated after this phase of the project.



# DEVELOPMENT ROADMAP

Year	Targets
2017-2018	Brainstorming and analysis Compliance and legal work E-money licence High level requirements document
2019-2021	Software development Security infrastructure 3rd party integrations Mobile app development Visa approval
2022	Live MVP in Europe Production maintenance & support Real life feedback gathering Integrating DeFi
2023+	DeFi Upgrading Business Accounts Global Expansion

## CONCLUSION

QuantoPay is the next generation of banks. It's mission to solve the financial inclusion issue by demystifying the banking and DeFi services will invigorate the world economy. Expanding the number of crypto economy users will result in a positive development in the financial industry.

QuantoPay will provide new financial services and opportunities for many people, significantly improving both the lives of their families and their own. The usage of QuantoCoin and block-chain technology will allow QuantoPay to remain innovative and build the infrastructure for tomorrow's electronic finance/digital banking.