White paper

Decentralized

Charitable Platform "HelpCoin"

DCP "HelpCoin"

Content:

Problems

Cryptocurrencies have entered our world very dynamically, giving us all hope of financial freedom. The main thing cryptocurrency wanted to say, — about it's inevitability. Bitcoin is already was "buried" many times, some governments tried to ban it, but it still "alive", and it's popularity still growing.

But there is a little problem, it's not growing as fast, as we want, and there are many reasons for it. The growing crypto-market is upcoming to a greater degree due to the volatility of the assets present on it, since it is the volatility that allows you to earn on exchange rate fluctuations.

Investment breakthrough of 2017 has shown the viability of cryptocurrency in terms of attracting investment in new projects, but, unfortunately, the lack of regulation in the market has attached a huge amount of fraudsters, and lack of investment experience of new market players — to the loss of their crypto savings.

Crypto technologies are actively progressing, new and interesting crypto assets are appears, which are not as revolutionary, as Bitcoin. Many people no longer seek to challenge the existing financial system, but seek a compromise in order to be able to effectively interact with it.

But all this doesn't give the desired result, and this is because the cryptocurrency remains absolutely useless for most people.Yes, no doubt they bring tangible benefits to all who are "in the subject", those who know how to make money on speculation, those who know how to invest. But those who are "not in subject", don't see any useful using of cryptocurrency, and all what they see on TV is just another fraud with using of cryptocurrency, and negative about it, which can't add any confidence.

Is it all so bad? Of course not, but it's time for crypto community to work not only for their own benefit, but also for others. Many managed to create a name and a huge cryptocurrency capital, creating another, undoubtedly, convenient and useful project that provides many excellent tools to earn more. Hi, Crypto Stock Exchange :)

And now it's time to make a social oriented projects, which can give some benefits to common people outside cryptoeconomics. As more people feel the benefits of cryptocurrency, as faster they will take their place of honor in the life of every person.

Which benefits cryptocurrency can give for a common people?

In fact, there are a lot of variants because you can tokenize a lot of branches of the ordinary economics the main thing is to do it where it is needed, and where tokenization is capable of bringing transparency and efficiency.

Our project is about such effective tokenization, designed to provide unprecedented transparency in providing targeted charitable assistance with using of cryptocurrency donations. Charity is just one of these sectors of the economy in which transparency is only beneficial and the use of cryptocurrency can breathe new energy into it which ultimately can help a huge number of people, who really need help.

What is DCP "HelpCoin"?

Description & goals

Decentralized Charitable Platform "HelpCoin" is a unique blockchain application that works on the Stellar network and designed to unite on one platform people who can help, people who need help and charitable organizations who are able to provide this targeted assistance on absolutely transparent terms. We remember, that cryptocurrency is a transaction without an intermediary and we would glad to refuse of participate of charitable organizations on our platform. The possibility of direct assistance from person to person is our dream! And we really hope that in the near future we will be able to implement it. But at the moment there are very few medical clinics or suppliers of any goods that can take as payment for their services and goods the cryptocurrency, and that means, that we need reliable "hands" outside the ecosystem that we could trust to carry out part of the operations we need to provide charitable assistance. In this case, charitable organizations appear to be the most promising candidate for such mediation.

When we talk about **targeted charity help** we mean paying for services or buying goods for people who need help. For example, **payment of the invoice for the operation in a medical clinic, or payment of the invoice for the purchase of medicaments / prosthesis / implant, etc.** Direct transfers to accounts or cards of people who ask for help we don't perform because of a very high level of fraud in such fees.

Functions

- **Acceptance, accounting and protection of donations.**

The platform is an aggregator of charity cryptocurrency donations, ensuring their collection, secure storage and transparent distribution among applications for assistance published by charitable organizations with reporting on donation movements in real time.

- **Acceptance and registration of applications for assistance.**

The platform is also an aggregator of applications for help that any person can publish. All applications go to the pool, from where any connected charity foundation can take them to work with. If a charity foundation wants to receive funds to assist a person who has come to him through other channels of communication, the foundation staff should help this person to place an application on the platform, such applications will be booked for this charity foundation. Funds in the application for assistance will be reserved by the platform only after someone takes it to work.

- **Transparent distribution of collected donations.**

All funds that were raised are under the reliable protection of smart contracts, in order to receive funds from the platform accounts a mandatory publication of the application is required. Platform participants who made charitable contributions or acquired our charitable token are attracted to control over the distribution of funds upon requests.

- **Confirmation of the fact of assistance provided directly by its recipient.**

  After providing assistance of charitable organization, the person who published the application, personally confirms the fact of providing charitable assistance to him, using the platform interfaces.

- **Ensuring public reporting on the movement of each donation.**

  All public registries maintained by the platform are equipped with interfaces that allow receiving information on the movement of each donation at any time, where, when and by whom it was used. Interfaces also provide complete information on each request for help ever published on the platform.

  This is a set of functions that is designed to provide **perfect transparency in the process of providing targeted charitable assistance.** It allows you to ensure that each collected "penny" is actually used to provide **targeted charitable assistance.**

  Involvement in the process of a person for whom targeted charitable assistance is planned to be provided, and who probably knows for the first time in his life about cryptocurrencies, thanks to which, he will be assisted, allows him to transmit a clear and understandable signal to community: cryptocurrencies not only burn megawatts of electricity but also **carry real social benefits for community!**

- **Release and distribution of a charitable token "HelpCoin".**

  Each time after receiving confirmation of the fact of provided charitable assistance, the platform releases unique charitable tokens ***"HelpCoin",*** *which for the first time in history are provided with the fact of performing socially beneficial action. This crypto asset provides the*

platform with filling its accounts with funds to provide targeted charitable assistance and cover operating expenses.

Participation in charity is always very honorable, in some countries the social status determines not how much a person earned, but how much he spent on charity. We took into account this factor and added the opportunity to fix and share the fact of your participation in charity.

- **Rewarding users for the results of activity.**

Thanks to the maintenance of public registries, the platform constantly updates the rating of users, according to their activity when participating in charity, and the most active users rewards with virtual insignia. These awards are recorded in the user profile, it also records the people in the applications for which the user's donations participated. By default, the profile is anonymous, but the user can specify not only his data, but also upload his photo. Also, these awards will be placed in a special section of our site, where the good deed of these people will be recorded forever. And of course, this award can be placed on a page in your favorite social network or on your website (you will need to verify the site or profile of the social network).

Thanks to this functionality, **we promote charity in the crypto community.** Thanks to our platform, it's possible not only to bring your charitable contribution to a person who really needs it but also to receive for your responsiveness and for your kind heart a worthy and liquid reward as well as recognition by society of your contribution to charity.

Distribution of donations

Donation sign

The main source of charitable funds is the sale of charitable tokens by the platform **"HelpCoin".** You can also make donations without buying tokens.

Donations made without acquiring a token are saved in full on the charity account of the platform or in the application for assistance if the donation was made directly to the application. These funds can not be used to cover operating expenses.

All funds raised from the sale of **"HelpCoin"** are accumulated on the operating account of the platform and are also used to cover charitable requests for help but can also be used to cover operational requests like the **ICCF "HelpCoin"** requests and requests the platform itself.

Output of donations

Receipt of funds from both the operating account and the charity is possible **only** through the publication of applications with a detailed plan of estimates. Through such applications, real-time spending of funds is reported.

Charity account

Donations from a charity account can only be received by applying for charitable assistance, which can be published by any person. Any connected charitable organization will be able to choose any application and take it to work, the platform serves only those applications that have been accepted into the work by a charitable foundation. On applications that cannot be taken into work, employees of charitable organizations unsubscribe, stating the reason for which they cannot serve such an application — this allows to adjust the content of the application by the person who published it.

Operational applications can not be covered from this account.

Coverage of applications for assistance taken into work takes place automatically, first of all, donations from the charity account of the platform are credited to the application; if there are not enough of them, funds from the operational account are credited. If a user makes a donation to an active request for help, his donation will be automatically credited. The surcharge on exchange rate fluctuations, on the coverage of transaction costs when exchanging for fiat and bank charges are covered only from the operating account of the platform.

An application for help that was completely covered by direct donations made to it is considered approved and is not negotiable.

Requests with automatically credited funds are delayed in the system for 48 hours for control and discussion by the platform participants. Each participant of the platform, who has purchased our charitable token "HelpCoin" and simply donated funds to the platform, has the right to one vote in each application for help, a vote can be given both for and against, when voting against the obligatory publication of a comment.

Also in the process of an incomplete voting, the user has the right to change his vote from "for" to "against" and vice versa. Commenting on their assessments leads becoming to a discussion of the application, the appearance of negative comments allows you to adjust the content of the application and eliminate the misuse of funds.

After 48 hours, the voting is finalized and if the application received more than half of the positive votes, it is considered approved and becomes available for withdrawal. If there are more than half of negative votes, the application is suspended and sent for correction by the person who published it and the charitable foundation, which took her to work.

They are allocated 24 hours for it, if the problems have not been resolved, the application is considered rejected, all funds from it are returned to the platform accounts, donations made directly by the user are credited to the charity account. If the problems in the application are resolved, it will be putted to a second vote.

Approved applications are expected to be signed by the officials of the fund who published the application (manager and accountant), as well as the person who published the application. After signing, the funds from the application are exchanged for Fiat and credited to the account of the charity foundation, from which the provision of charitable assistance is already taking place by paying bills to the person who requested help.

Operational account

Designed to cover the operating costs of the platform and **ICCF "Helpcoin",** to ensure transparency and reporting in real time, access to funds is also carried out through the publication of the application.

Operational applications are approved automatically and do not require community participation, since donations from users are not used to cover them, but they do allow comments on these applications in order to indicate the places to be optimized or corrected.

How is it works?

It would be best to describe the algorithm of our platform using a specific example. Suppose that the girl Masha needs a bone marrow transplantation which some clinic in Germany is ready to perform. The cost of the operation is 25,000 euros. Masha's parents don't have such a sum and they publish an application on our platform. Suppose the International Crypto-currency Charitable Foundation HelpCoin which is connected to the platform takes this request for help into work.

- Foundation employees verify Masha's parents, as well as Masha herself requesting identity documents. The fund also verifies the current social situation of the family through contacts with relevant social services. Additionally, medical documents are checked and the clinic's consent to the operation is confirmed.

- Foundation staff is preparing a plan estimate to provide targeted charitable assistance for Masha. The plan estimate includes invoices to pay for the operation itself and an invoice to purchase tickets for Masha and her parents in both directions because the family also has no funds for these expenses.

- The staff of the fund makes this plan estimate in the application for help and invites Masha's parents to get acquainted with it. The acquaintance ends with the signing of the adjusted request for assistance to Masha's parents thereby confirming their agreement with the updated content of the application.

- After signing, the application enters the discussion status, and the platform reserves donations from the registry for an amount equivalent to the requested + 20% (reserve for exchange rate fluctuations). Donations are selected in a row from oldest to freshest. All participants of the platform are sent a notification about the received application with a request to participate in the

voting. After that, the application remains in the system for 48 hours, waiting for the end of the vote.

- If the vote was successful or the application was covered by direct donations it's considered approved and the platform sends a notification to the officials of the charity foundation and Masha's mother to sign the approved application.

- As soon as all signatures are delivered the platform recounts donations at the current rate and frees unnecessary donations which were laid as a reserve for rate fluctuations. The remaining donations are sent for exchange for fiat money. After the exchange of funds, already in euros, credited to the account of the charity fund.

- The Fund pays all bills specified in the estimate plan and adds scanned copies of payment orders for each account to the application. After that, Masha's mother receives all the documents confirming the payment of bills for her, and air tickets for the flight to the place of the operation.

- The Foundation informs the platform that it provided assistance to the girl Masha. Her mother again receives a notification with a request to confirm the fact of providing charitable assistance.

- Masha's mom enters her personal account and confirms this fact possibly leaving her wishes or comments on the work of the foundation for the crypto community. At this point, the platform finalizes the application for assistance in the "Confirmed" status.

Thus, in 9 steps and 48 hours, with the help of cryptocurrencies, you gave a chance for a girl Masha to a new life!

Ecosystem

Problems

The economic model of building any charitable organization does not provide for any balance; philanthropists constantly attract donations and charitable grants, at the expense of which they carry out their charitable activities. Given the fact that our project is charitable and absolutely unprofitable, this has also affected us.

We also need to attract charitable donations and use them to provide charitable assistance, while attracting donations will be in the emerging cryptocurrency market, which is not overloaded with altruistic sentiments, that is, we need a fairly effective motivational tool.

Tokenization, moving and saving values

Tokenization of the project was a necessary step, primarily to ensure motivation for donations, but this is not its only goal. We dared to experiment and for the first time in history used a token to preserve the value of the **socially useful work performed**.

"HelpCoin" (HLP) is the unique charitable token, confirmed by the fact of providing **targeted charitable assistance.** The maximum possible number of tokens can not exceed **1,000,000,000 HLP**. The release of tokens is tied to the fulfillment by the platform of its main goal - the provision of **targeted charitable assistance** and it happens every time the platform receives confirmation of the fulfillment of any application, both charitable and operating.

Released tokens are accumulated on the distribution account of the platform, from which they are sold on the platform as part of an ongoing charity sale. The sale takes place for other high-liquidity cryptocurrencies, including fiat steblecons present in the Stellar network.

To ensure the diversification of exchange rate fluctuations, all funds raised are saved on the platform accounts in the asset in which they were attracted, but the price for selling tokens is calculated in relation to the Stellar base cryptocurrency network **(Lumens XLM).**

All sold tokens are immediately available for trading on decentralized sites of the Stellar network and can be sold by the user at the market rate. This provides users with motivation for donations, since the user gets a unique opportunity by donating funds to charity to immediately compensate them by selling tokens purchased from the platform, and it is highly likely that the market rate of the token may be higher than the static price of selling the token platform.

The charitable sale of **HLP** tokens also sets their financial value and stimulates the retention of the market, as the user will try to sell the tokens at a price not lower than they got when they bought it.

When part of the donations collected in this way goes to provide charitable assistance for any application for assistance, the financial value leaves the ecosystem, but as soon as the platform receives reliable confirmation of the provision of charitable aid through these donations, it releases a batch of tokens that are provided with the intangible **value of performing social useful work.** In this way, the transfer and accumulation of value by our unique crypto asset takes place

Ecosystem balance

300,000,000 HLP tokens were released initially which corresponds to **30%** of the total number of tokens. This volume of tokens is intended to ensure the initial capitalization of the platform. Sale of tokens occurs at a price in relation to **XLM**. Each sale is recorded in the donation registry to ensure transparency in the distribution of funds. The release of new tokens is calculated based on the sum of the donations in the **XLM** equivalent.

As we mentioned earlier the value of performing socially useful work is always higher than the value of funds spent on it which is why the release of new tokens is always 60% more than donations were spent to cover a particular application.

40% of this premium go to the capitalization of the platform to ensure its growth to 70% of the total number of tokens. 10% are credited to the spray account and are used by the platform for additional motivation to use the token by monthly spraying between tokens holders with a balance of 100 + **HLP** (except distribution account). The remaining 10% is credited to the bonus account from which active users are encouraged to participate in the bid voting.

Since the total number of tokens is limited to **1,000,000,000 HLP**, after reaching this figure, the platform remains without the main source of funds for charitable activities. Therefore, to create an "airbag" there is an increase in the share of ownership of tokens that capitalize the platform.

Of course, we are confident that by the time all the tokens are released by the platform the state of the market will change significantly and the share of donations not related to the sale of tokens will increase significantly. This will allow us to continue our activities for as long as possible and to help people who need our help. But we are obliged to

provide security measures that will allow us to avoid sharp and negative fluctuations in the economic balance of the system.

The minimum starting price for selling the **HLP** token by the platform is **0.4 XLM** and increases by **0.2 XLM** after the release of each subsequent **10,000,000** tokens, thus increasing the lowest possible value of the asset up to **14.4 XLM** per token. In order to increase the efficiency of the sale of the token its price when selling is set at **20%** below the market but not lower than the lowest possible selling price. Correction of the selling price occurs automatically once per hour.

In moments of decline in the market value of the token below the lowest possible selling price of the token on the platform, we can buy out the tokens from the market using the funds accumulated on the operating account with the mandatory prior notification of market participants about the upcoming buyout of the asset from the market. The buyout tokens are transferred to the distribution account of the platform. Such operations are carried out in order to stimulate the growth of the value of an asset at the moments of its deep depression and are not permanent.

In order to engage random market participants in charity as well as to popularize charity in the crypto community, the platform automatically exposes several small token-selling orders on the decentralized stock exchange with a bet on increase. A random trader who acquires these orders automatically becomes a participant in the platform. An account is created for him and a transaction is sent to his wallet at **0.0000001 HLP** with the note "**Welcome to the DCP HelpCoin**". Having seen such a transaction, a person will be able to complete registration on the platform on the platform by entering his Stellar address and become its full participant.

Thus, thanks to the smooth movement and preservation of values in our charitable token, we get a fully balanced economic system designed for a long enough period of existence.

Tokens circulating on the market are always provided with funds raised from their sale. Newly released tokens are accumulated on the platform accounts increasing the value of providing **targeted charitable assistance** which is again converted into financial value when the tokens are sold by the platform providing it with a constant flow of funds to render charitable activities. The emergence of new tokens is strongly stretched in time which ensures a very smooth increase in their number. The entry of tokens to the market is also quite smooth. This is due to the asset rate and the smoothly growing popularity of the platform. In this case, the market content is always limited by the number of tokens released at the moment. The mechanism of increasing the selling price in accordance with the market rate allows increasing the capitalization of the asset and the mechanism of asset redemption at the lower levels allows stimulating the growth of the asset value. Thus, we achieve not just the economic balance of the system but also effectively use the probable asset volatility to increase the capitalization of the platform and increase its capabilities in providing targeted charitable assistance.

Additional user motivation

In the description of the ecosystem, we mentioned two additional accounts: this is a bonus account and a spray account for which a part of the tokens produced by the platform are credited.

The bonus platform account is used after the end of the voting to motivate users to participate in voting on requests. The platform distributes 10% of the bid amount in the **HLP** equivalent among all participants who participated in the voting for this bid regardless of their vote and the final result of the vote.

For additional motivation of the holders of **HLP** tokens, once a month (the date is chosen completely arbitrarily), the accumulation of tokens accumulated on the spraying account occurs. They are distributed among all token holders whose balance at the time of the event is **100 HLP** or more, according to the share of their ownership of the tokens at the time of distribution. Such spraying is done only if there are funds in the spray account.

Features of primary placement

In order to create a minimum viable community we envisaged a number of marketing activities that resulted in no more than **10,000,000 HLP** tokens being released to the market which will be distributed free of charge or will serve as bonuses for the first participants of the platform attracted to promote it. These tokens will be distributed among as many users as possible in small batches. Given that the token will be available for sale on the decentralized exchange on the **Stellar** network the token will start trading even before the token starts selling on the platform initially ensuring its minimum cost.

On the day of the start of sales, all unallocated tokens will be transferred to a bonus account and will serve as a means for involving users to participate in the voting process on requests for assistance.

Team's tokens

All members of our project team work **exclusively on volunteer terms**, without receiving wages for their work. To motivate the team, we are laying a reward of **10,000,000 HLP** tokens, which will be issued and distributed only after receiving the platform confirming the fact of providing targeted charitable assistance for the **tenth** application for assistance.

Tokenometrics

Code: **HLP**

Name: **HelpCoin**

Blockchain: **Stellar**

Issuer address:
GBA7SLFDPSZ3FT5WVPVYH62YOI3PFSRP3PVDAAHCMCJOW5W5BKO3VOP4

Max supply: **1 000 000 000 HLP**

Pre issued: **300 000 000 HLP** are on a distributor account:
GDCJ4ZHXH3QEWPHZXBWL3VKYU4NPMOABY5IXAX26MUYDNPA44AMXQGET

Method of issuing new tokens: **Proof of Social Work (doing social work)**

The formula for calculating the new issue: **HLP = Xe * XHn * 1.6** where:

HLP — number of tokens produced

Xe — bid amount estimated at **XLM**

XHn — the rate of the token in the pair HLP \ XLM currently valid on the platform, takes into account the minimum rate set by the platform based on the already released tokens.

1.6 — boost factor.

Distribution method: **Sales through the platform and minimum orders on the exchange.**

Starting price: **0.4 XLM**

Price change: **regularly after the release of 10 million tokens**

Price change step: **0.2 XLM**

Market price correction: **-20% from the market (correction once an hour)**

Correction is active only if the market price leaves the static price of the platform more than 20%.

Orders on the exchange: **no more than 10 per day, with a volume of from 10 to 100 HLP each, with a rate of increase from the last sale price.**

Statistics of placed orders available on the platform

Promotional distribution: **Proof of Stake monthly spraying between token holders with a balance of 100 HLP and above (except distribution account)**

Buyback tokens: **at the discretion of the administration, purchase orders at a price below the selling price of the platform with the obligatory announcement of the planned redemption of the asset from the market.**

Technical details

The decentralized platform **Stellar** was chosen as the basis for the implementation of our project. First of all, the choice fell on it because of the cheapness of transaction costs the optimization of which for us as a non-profit organization is the key point.

Stellar has a sufficient set of tools that will allow us to ensure the implementation of all our planned functionality of our platform.

- The trading functions built into the protocol enable fast and convenient conversion of cryptocurrency donations to Fiat directly inside the Stellar network.

- Setting multi signatures to various accounts that serve to store and move donations helps protect collected donations from unauthorized access.

- The functions of smart contracts that are included in the transaction allow for a clear and transparent logic of business processes within the platform.

In fact, our platform on the **Stellar** network is a set of **Stellar** accounts that either reflect a specific entity or serve as a **Worker** account and serves to automatically create a programmed transaction that provides a specific business process.

But in more detail about the relationship of accounts and transactions, we will describe in a separate technical document.

Lawyer risks

Due to the lack of legislative regulation of cryptocurrency and crypto assets in most jurisdictions, we are obliged to analyze legal risks when working with our platform.

Legislation regulating the work of charitable organizations in most jurisdictions allows you to receive charitable donations from an **unidentified group of people,** that is, to accept an **anonymous** donations. In most cases, maximum government regulation concerns the use of these donations.

This allows us to **safely** transfer the crypto currency donations collected by the platform to charitable organizations after they are exchanged for fiat money. Legally, a charitable organization receives a **charitable donation** from the company making the exchange.

At the same time, all charitable organizations undergo the **KYC** procedure (know your client) in companies that will exchange donations for fiat money.

As for the issue and distribution of the charity token **"HelpCoin"**: the token cannot be considered a security, as it is not secured by any financial asset or guarantees of such security. The intangible value that we put into it is **legally insignificant** and can't be considered by anyone as a distribution of profits. All donations collected are spent solely on the provision of **charitable assistance** and are not distributed among the participants of the platform.

Conclusion

Our charitable platform has no complete analogues in the world. The level of transparency that we set in the process of providing **targeted charitable assistance**, has not yet been used in **charity projects** which use crypto technology. We also did not manage to find tokens provided with **the confirmation of the performance of socially useful work.** Although there are quite a few charitable projects on the market, we do not consider them as competitors. There are no competitors in **charity**, we all do one **Good and Important** thing - **we help people!**

We're sure that exactly our **charitable platform** will take up place of honor in this industry and the transparency standard we set will become the **"gold standard".**

We're sure that **International Crypto-Currency Charitable Foundation "HelpCoin"** with the help of our platform can help not to only **huge number of people** but also to become synonymous with **"Good cryptocurrency"** in the ordinary world.

And "**HelpCoin"** produced by the platform will not only become a symbol of **charity** in the crypto community but deservedly become **a coin that saves lives!**
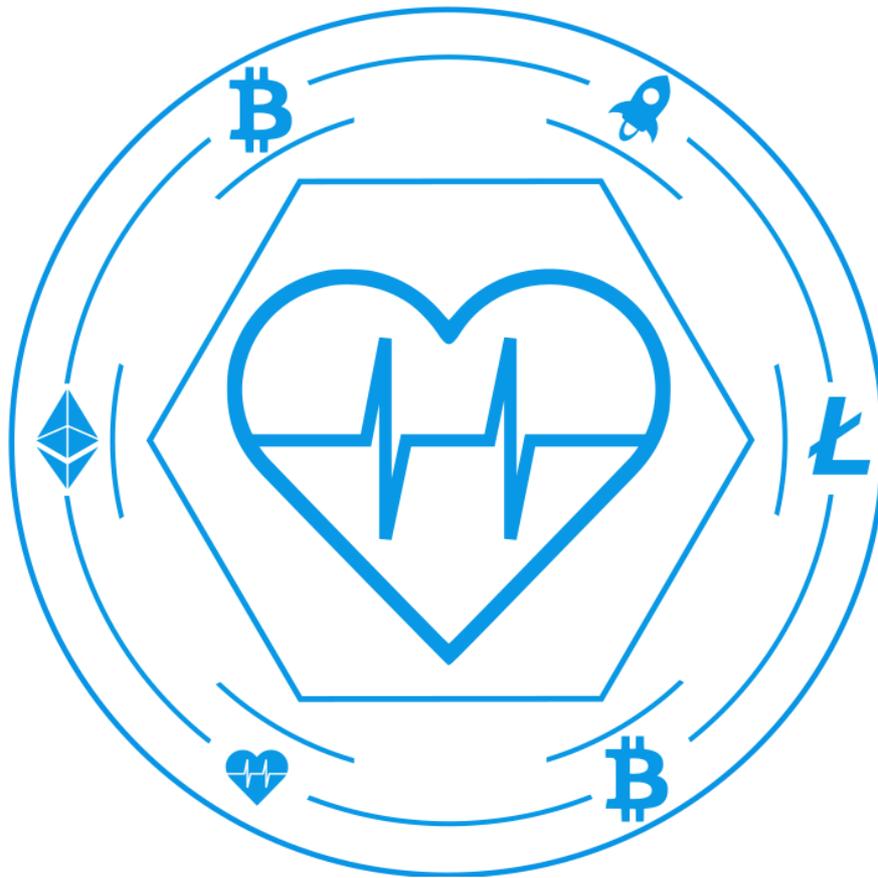
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