RIGOBLOCK: DECENTRALIZED HEDGE FUNDS PROTOCOL
THE NEW PARADIGM FOR ASSET MANAGERS

MR. GABRIELE RIGO

FOUNDER, RIGO INVESTMENT & RIGOBLOCK

GABRIELE@RIGOBLOCK.COM

ABSTRACT. The asset management industry is dominated by fund distribution networks and big players. It is difficult and cumbersome for emerging managers to startup their own fund unless they have many years of experience, assets from investors and proprietary money. Yet big hedge funds scout for talent and delegate risk to very young professionals, targeting exceptional returns by exploiting the most recent research and data analysis techniques. Light operational structures exist (managed accounts) but they are burdensome to manage, require wasting a lot of time managing and rebalancing the portfolios.

Blockchain provides the ideal technology for setting up funds in a short period of time, with low setup costs and with innovations of processes which could only be imagined before. We provide the technological framework for emerging managers to set up their own investment vehicle. We discuss its design, vision of implementation and Proof-of-Concepts, the opportunities it provides in giving more transparency, efficiency to operations and innovating processes. We also propose an alternative paradigm for rewarding talent and hard work.

1. INTRODUCTION

The asset management industry has been following a path of consolidation towards bigger corporate structures during the last 10 years. The hedge fund industry, in particular, has developed into a more standardized and regulated sector. High setup costs and requirements of a minimum 50 Million US Dollars or even much bigger initial Assets Under Management (AUM), automatically exclude the smaller players from the market. Reason behind such high minimum AUM requirements are high costs of providing Prime Broker services to funds: costs like Net Assets Value (NAV) estimate, collateral accounts, management company costs, legal and advisory costs. Furthermore, investment funds and management companies are in most cases no more than P.O. Boxes; by this we mean that they do not actually employ anyone, they are just offshore corporate structures.

The Ethereum protocol provides the perfect technology for creating investment vehicles on the spot, allowing subscriptions and redemptions in real time, trading on decentralized exchanges in a trust-less manner, so that no administrator or custodian is needed, allowing for a level of efficiency and transparency in the industry never seen before. One positive externality of our proposed model is that, by being agnostic of the AUM size, it is also possible it will be used as a tool to building one's track record in order to get a job at major investment funds, hence improving visibility for traders. Either way we are to lay down the path for changing how things are done in asset management.

1.1. **Driving Factors.** Regulation is one of the main factors that often prevents fund managers to startup their own fund or forces them to consolidate with others through acquisition of smaller players, mergers, or suboptimal advisory structures which augment conflict of interest which are inherently present in the asset management industry. Scope of regulation is to monitor and manage these conflicts of interest, prevent money laundering and fraud (a manager running away with the money or inputing unjustified costs to the fund). By explaining our model we provide a framework which self-regulates by providing such level of transparency and efficiency not to require any regulation (or at least reach ultra-high self-regulation standards). The level of our structure's efficiency offers levels of compliance never seen before.

One of our main goals is to provide every single individual with the possibility of seamlessly creating/deploying their own investment vehicle. Our vision is to provide the technology for people to be able and express their talent, share their passion and compete globally without having any access to investors' funds other than for trading. This reduces the amount of work on the operational side of the business, leaving the manager with no other focus than producing good risk-adjusted return for their investors.

Conflicts of interests are often one of the funds' poor performance causes, and in many ways and with many mental biases (myopic loss aversion, inability to replicate exceptional returns when AUM increase dramatically) they pose a thread to good performance. In some cases it even leads good managers to quit funds they are working for and retire, once they are tired of the continuous conflicts of interests within such structures. We believe that erasing completely conflict of interests is in the interest of both the investors and managers.

Overall, we wish to provide a completely decentralized framework that puts the manager first and offers investors the best-in-class technology, aligning even more their common and individual interests. Furthermore, we aim at creating a competitive, transparent and meritocratic market for talent.

Most of the Blockchain models for asset management proposed by others so far for have a highly centralized approach, therefore requiring a level of trust to relatively unregulated entities.

1.2. **Market Overview.** Although currently we haven't seen any asset management platform built on the Blockchain, we have to recognize previous attempts in the field of trading and asset management.

The Stellar network provides a platform for issuing tokens which have been used for trading, hence partially automatizing the share issuance, subscription and redemption phases, but still requesting trust of the users since its approach is centralized and the subject issuing tokens is in total control of the assets.

The Iconomi project aims at being a platform for crypto-related-assets trading, digitizing processes of share issuance, subscriptions and redemptions with a *centralized server-base approach.* They provide a front-end user-friendly platform which does not require interaction from Blockchain browsers. They are the funds' custodian (now did partner with a regulated UK asset manager in order to provide the technology and liquidity stack only) as they manage a users private key, thus requiring some level of trust in their infrastructure. The platform is aimed at professional managers. The RigoBlock technology, in the context of companies like Iconomi, can be seen as a decentralized engine which could be easily plugged-in in order to create the funds on-chain.

The first attempt to formalize a decentralized approach to private banking has been proposed by a project named EtherPlan. Still the idea required a high level of trust and substituted many of the existing frictions with new, more technologically advanced ones, thus not being able to pose the fundamentals for a radical change, at least in these early stages of the *development of the technology.* The project is currently on stand-by.

The first attempt of using Blockchain technology in a *completely decentralized form* is Melonport, a project which was chronologically born at the same time as our first concept Drago the decentralized hedge fund, now RigoBlock Drago. Both our protocols aim at solving the same problem, but with different methodologies; they can be seen as our closest competitor, even though at such early stage of technology they might be also seen as complimentary one another. Melonport also provided the very first formal specification for the technological framework and the concept of an open protocol for decentralized asset management, leveraging and relying on external developers to deliver some of the "modules". RigoBlock, by contrast, is touring complete with no discretion for the users on which modules to use.

Prism, by Shapeshift, is a dual product, being at the same time a decentralized exchange and a hybrid asset management platform. Prisms are the equivalent of financial structured products built on the Blockchain (for who knows what structured products are). Prism is still in closed-alpha testing. For RigoBlock, Prisms can be treated as assets tradeable by our decentralized pools of tokens (the Dragos).

At the current state of the art, however, no asset management platform has been brought to life on the Ethereum main network. Much of the reason being that decentralized exchanges themselves now exist only in form of alpha and on the *testnet networks.* A few questions are still unanswered and we will try to address them in the following paragraphs, although very humbly we state that the answers are yet to be found and the directional path of the different projects will be decided by their management and by the advance in technology as well.

2. BLOCKCHAIN AND HEDGE FUNDS

In order to explain the process of creating a fund on the Blockchain, we recall the concept of *Smart Contracts.* Smart Contracts allow for coding the dynamics that manage a particular process directly into the Blockchain, segregating the process creation and management from anything else, isolating it by creating a unique code, a unique hash of the transaction and a unique hash of the transaction each time a function is called from the code deployed on the Blockchain. This means that potentially anyone can use the same *Solidity source code*[1] to create vehicles that are identical by nature but have their own unique identifier code, and that can be personalized to different predefined extents, each one corresponding to a different level of trust required by the platform, starting from a completely trustless environment, to more trust-reliant ones.

2.1. **The Trust Factor.** Exchanges of value occur on the Blockchain without requiring the counterparts to trust each other. This is the beauty of Blockchain technology, and the good thing is that it can be ported to smart contracts as well. The strict use of *escrow accounts*, in fact, allows for the transfer of money within the fund to happen in a trustless way. More in detail, we state that once some amount of value is in the fund, that amount can only be used for trading purposes by the manager, who never has access to it. The manager can only instruct a deposit to an escrow account of a decentralized exchange: money never leaves the Blockchain and is always under control of the fund; neither the manager nor the platform at any time may access those funds. *Immutability* is the great property of the Blockchain that makes it possible to trust that the code will forever do only what it is programmed to do, and nothing more.

2.2. **The Drago Creation.** RigoBlock platform is currently in alpha, accessible in the Parity store and visible globally by users running the Parity UI. This consists of running a software (the Parity client) in the background and accessing the store through a normal web-browser interface. You can find RigoBlock on the "Applications" tab, and you will be able to use it if you are running Parity on the Kovan testnet. The decentralized pool of tokens are created by clicking one button on the application, and the platform takes care of deploying the code on the Blockchain through one transaction. By inputing a name for the fund and a symbol, a pop-up requires the user to execute the transaction on the Blockchain. As soon as the transaction is mined, the user is able to see the new fund created and anyone can immediately subscribe shares of the fund through an automatic token minting process. When a user has a positive balance of shares, she can redeem her shares for Ether by executing the opposite transaction, thus burning tokens and receiving Ether in exchange. The approach has been to implement the software completely on the Blockchain, therefore creating a trustless environment and a serverless infrastructure. Functions like NAV calculation, however, will be performed off-chain, thus using the Blockchain in its most efficient and effective way. We care to stress out that everything concerning transfers of titles and money happens

---

[1]Solidity is a native Javascript-based language of the Ethereum Blockchain, it is used to completely segregate the code of everything related to the back-end (Blockchain) from everything else).

on-chain and in a decentralized manner, therefore all the functions related to the existence and behavior of the decentralized hedge fund are audible in real time and by anyone just by knowing the code of the fund, not having to trust information provided by us.

3. Social Trading

Often do we hear that hedge fund managers must have their investments undisclosed because otherwise competitors would be able to copy their positions and they would not be able to exploit market inefficiencies. We propose two different objections to the open question. The first one is the observation that *Social Trading Platforms* which force managers to have their portfolio public have experienced enthusiastic participation of managers. The second objection is based on a regression of financial markets in general and their efficiency: through a radical shift in the concept of secrecy, therefore mirroring in finance the (relatively) novel approach of open source software development, we see the possibility of information getting reflected in market prices more efficiently. The manager will ultimately set himself the level of fees she wants to receive for doing her research job. We feel the urge to testify that inefficiencies/anomalies are in the market for a long period of time normally. Furthermore, the very reason of the existence of financial markets is that people disagree on the same subjects. In most cases it is equally skilled money managers that have different models for analyzing data, which give opposite output by analyzing the same input factors. In other cases it is professional managers against the *suckers* (uninformed players). To the most extreme cases, it is a group of professional managers against politics (a central bank or a government). In any case people disagree and individuals live constantly in a prisoner's dilemma, where a rational expected behavior is often not empirically observed. We hope our work can serve to drive financial markets towards the path of efficiency, even though we realize the beauty and complexity of the human mind, especially when it comes to managing money, leads us to make mistakes that are objectively irrational when analyzed in hindsight. If our work can help the average investor in getting good returns on her financial portfolio by delegating management to those professional managers, we believe we will have made a difference.

4. A Dashboard For Trading

One of our goals is to provide an integrated set of tools for trading, which goes from front-office execution to back-office reconciliation. Therefore, we also want to integrate the platform with a section dedicated to an off-chain dashboard for the portfolio, with statistics about performance on different time frames, display of positions in the portfolio and possibility of visualizing all trades relative to every single position; monitoring of risk, evolution of portfolio risk over time. These are all very powerful tools that are always available for professional manager, not so much for small or emerging managers. This is the path going forward in the evolution of the platform. We are working for delivering a Javascript library to allow automated quantitative trading strategies make use of our APIs and easy interface with other front-end platforms. Thanks to our modular architecture, external service providers can build their own Dashboard on top of our protocol, or even create their own forked version of a decentralized asset management platform and using just some of our modules.

5. NAV estimate

Assets never leave the Blockchain, hence it is pretty straightforward to track them. Further to that, accounts and positions are available in real time and balances are updated in real time automatically. This means that no more an operations guy from the hedge fund will have to manually reconcile the position with a fund's front-office and the prime broker's back-office. No more mistakes or typos: when a trade is executed from the front-office, it is also automatically reconciled in real time with the Blockchain, so that anyone can audit it. This allows, potentially, to estimate NAV in real time. Since estimate and registration of NAV estimate on the Blockchain requires the use of computation of the *Ethereum Virtual Machine* (EVM), we decided to provide an off-chain NAV estimate in real time to the user. The user will then update the official NAV price on the Blockchain only when needed, hence not wasting unnecessary computational and storage resources. We create a mechanism of incentives to provide the conditions for honest behavior: instead of relying on an external *Oracle* to provide a NAV estimate, it is the manager herself that published the price.

5.1. **Fair User Behavior And NAV Publishing.** According to our approach, the user will publish a bid and an ask price for the shares of her fund. At those prices the fund is forced to buy and sell any amount of the shares. Therefore two conditions have to be at any time respected: the manager will have to always keep a minimum amount of Ether liquid, in order to be able to fulfill any redemption request in real time; the manager will have to publish the actual NAV value, otherwise being potential target of arbitrageurs. The educated reader might think that manipulation and dishonest behavior are factors which should not be taken out of the equation, since at the end we are all humans. One possibility is to have the code sorting out everything for us, which is a viable approach and we will consider further developing towards this path. An alternative possibility is creating a mechanism of incentives, where good behavior is rewarded. First of all, the whole infrastructure is built in a transparent manner, so that all information is public; even if NAV estimate is not performed on the Blockchain, each individual has the possibility of performing a due diligence of the portfolio in real time. Second, by allowing good managers to be selected by the Fund of Funds, we lay down the basis for honest behavior and exponential growth for the best managers. Lastly, we would like to remind that one of the most important references in a trader's career is her own track record: either NDAs with previous employers or the use of single managed accounts make it difficult to provide an actual track record. Auditing by a third party is also quite expensive. With our proposed paradigm, an audited real time track record obtained by trading real money is not only available through the NAV published by the trader, but also computable by anyone requesting the data directly from the Blockchain, therefore without requiring any friction or intermediary. The world famous American financial journalist and trader Jack D. Schwager has recently launched a startup for performing these

calculations and audits on traders' traditional managed accounts, as a proof of need of such product.

6. REWARDING PERFORMANCE

Many investors, amongst which legendary investor Warren Buffett, have publicly criticized the risk-taking culture in asset management and hedge funds in particular, which is enhanced by the current fee structure. In fact the typical 20 percent performance fee is criticized for pushing managers to take too much risk focusing on short term performance. The presence of hefty management fees in most cases leads to big funds's lackluster performance. An empirical phenomenon observed with the growth of a hedge fund is the inability to replicate exceptional returns obtained in the early days. At that point their management fees are so high that are often not justifiable based on the cost structure of the hedge fund.

6.1. **A New Way Of Aligning Interests.** What we propose is a radical change in the way performance is rewarded, whose reason behind is twofold: on one side, we aim at improving the quality of management; on the other side, while the calculation of management and performance fees on-chain can result expensive, our model exploits one key characteristic of Blockchain technology which makes it ultra-easy to calculate a fee per each transaction and automatically allocate it to the correct account without need of manual reconciliation or settlement. We propose a per-transaction fee, which is to be set and modified arbitrarily by the manager, but publicly available. The manager therefore transparently sets her own fees in a competitive market. While normally the use of this type of fee is prone to manual errors (either calculation or settlement), through the use of Blockchain technology this is performed automatically and seamlessly. The amount of work for a traditional management company for such operations makes this procedure today almost impossible to execute.

6.2. **Excessive Risk Taking.** Excessive risk taking is the practice of exploiting a 20 percent performance fee by taking as much risk as possible in order to generate the biggest returns, therefore allowing the manager to retire after even only 10 years of work. We believe that a fee on each transaction has the potential to shift management focus more on the long term, while at the same time leaving uncapped the total amount a good manager can receive. The fee on each transaction is paid in the form either of a percentage of the amount exchanged, or in the form of a bid-offer spread (we remind here that the manager is always a buyer and a seller of his own shares). We believe, in the long run, this methodology will not lead to lower pay for the manager, but since focus is on long term returns, it will improve the quality of the returns.

7. GABCOIN

By removing most of the hypotheses set before, the resulting product is a completely trustless and simple vehicle: the Gabcoin. It can be seen as *trustless version of Xapo for the Ethereum community*. Xapo is a service that allows safe Bitcoin storage for individuals and institutional clients. It allows the creation of as many accounts

as needed and each account may have an ultra-secure Bitcoin storage vault. They provide a totally centralized service and have access to clients' keys, ultimately to clients' assets. We think different: we want our service to be totally decentralized, and never have access or knowledge of clients' keys. It is ultimately the client who is responsible for her own keys. In order for the service to be totally decentralized and trustless, a Smart Contract is coded in order to only allow the exchange of Ether for tokens, minting tokens to the sender of Ether and burning tokens sent in exchange for Ether. It is a distinctively different approach from Xapo's ultra-secure cold-storage, and it is made simple by the possibility to code the functions that rule the transfers directly into the Blockchain and secured by the design of the smart contract. With our approach, no matter what, the client is always in control of her assets. Furthermore, since the code is deployed on-chain, no matter what happens to the company running the platform, the code will always allow the owner of some tokens to redeem them for Ether, thus resulting fraud and censorship proof. First hypothesis we relax is the possibility for the manager to transfer to escrow accounts: they are no more possible; we prevent any transfer of Ether from within the fund. In this case the manager cannot even transfer Ether to an escrow account. Second hypothesis we relax is NAV estimate. In this case NAV is fixed at 1 Ether per share. Since the fund only holds Ether, does not have any management or performance fees, the value of one share will always be the same. Now we have a product which one can use to create her own decentralized pool of tokens, buy tokens in real time at a known price, sell tokens in real time at a known price. She can create as many funds as she wants, thus having an efficient tool for managing her family and friends (or even institutional) investments. She can even set a transaction fee each time tokens are bough or sold, and receive it automatically and without need to reconcile with a third party or spend time on calculating fees. The platform is free to use, but if a user decides to set a fee on transactions, the platform will receive 20 percent of the fee. Gabcoin is a product aimed for all cryptocurrency traders, who have more or less experienced the same problem: holding Ether on behalf of others and baring all the responsibility for it, plus being able at any time to access those funds, where most of the time its cryptocurrencies bought with the purpose of holding it for the long run. Gabcoin is the product which will most likely go to mainnet first, as it leverages the RigoBlock smart contract engine (aka protocol) but does not rely on external services being operational (decentralized exchanges). Current work on Gabcoin has been on pre-setting it to interact with Casper, the next frontier in crypto mining, in order to allow for pooled Proof of Stake mining. The advent of Gabcoin could therefore coincide with Ethereum Metropolis (year-end 2017).

8. RIGOBLOCK REGISTRY

The RigoBlock Registry is similar in nature to the ENS (Ethereum Name Service) and allows approved asset management companies register their funds on-chain and be able to interact with their funds by the use of the name of the funds, rather than the HEX address currently needed to make transfers on the Blockchain. We have split the RigoBlock Registry as a separate component to facilitate

use from external parties. We are really looking forward for external service providers to leverage on our modular infrastructure, as rather than creating and managing their own registry, they can just plug into our Registry application and interact with.

9. RigoBlock Exchange

The RigoBlock Exchange has been built with the purpose of providing a decentralized exchange for the Dragos to trade. It is a completely decentralized exchange for leveraged cryptoswaps trading. It allows users place a leveraged (or not) trade on ETHUSD (just one asset on the exchange at the moment) both on the long and on the short side, so that traders can profit if the price goes up by buying, but also on selling the position short. A derivative is a contract that represents an asset which does not exist on the blockchain. The RigoBlock Exchange is limited by the challenges all decentralized exchanges face today (mostly slow execution, aka latency, and gas fees for unexecuted orders) but it is one of a kind, and we are looking forward to improve it, as we believe that decentralized exchanges are the new frontier of financial trading.

10. Proof-of-Performance

Proof-of-Performance is the new paradigm we propose for rewarding traders performance. As we said before, we disrupt the traditional concepts of management fee and performance fee. Proof-of-Performance allows traders to mine (technically mint) Rigo tokens based on their risk-adjusted performance. The bigger their pool of tokens, the more tokens they will be entitled to mint. Traders will be required to hold a certain amount of Rigo tokens in order to run their own decentralized pool of tokens. The Rigo token does not hold intrinsic value, is not represented by any real activity or security, does not bear or entitle to any dividends or interest is not backed by assets. Its sole purpose is for allowing reward of performance of traders.

11. Future Directions

We have been building our proof of concepts since more than a year, with our first smart contract for a decentralized investment vehicle released around August 2016; ever since we have been working on improving our concept, adding functionalities, checking for security and making the code a modular protocol, what we call the smart contract engine so that it is more abstract and allows external service providers create their own decentralized management company on top of RigoBlock. Our platform is in alpha testing on the Kovan testnet and publicly accessible within the Parity UI. We have made such choice to allow testing in a safe environment before moving to a more traditional UX experience. Substantial work still has to be done on improving UX/UI. This is on our agenda and we are looking to make more hires to speed up the interface development and be able to make the platform more easily accessible to the average user. During the last few months substantial progress on decentralized exchanges has been made and we are integrating the 0x protocol, which is setting a standard for decentralized exchanges. Therefore, our Dragos will be able to trade on all exchanges using the 0x protocol. Currently the Dragos can operate on the

RigoBlock Exchange only. On the other hand, we are looking to improve the RigoBlock Exchange, which is reliant on external oracles. We are also cooperating for work on decentralized oracles systems, which will reduce the cost of maintaining an oracle on-chain. This is more an optimization work as we have built our own oracles and are looking for an efficient way to provide free prices for everyone. The ultimate goal, once our technology is fully operational on the Ethereum mainnet, is to make the RigoBlock platform an ecosystem for traders, allowing any investment strategy, no matter how twisted or strange, be performed. One of the tools for creating such ecosystem will be to allow funds invest into other funds (dedicated fund-of-funds structures) and build an autonomous pool of funds whose task is to invest in the best trading strategies and be able to more easily raise from the crowd thanks to its unprecedented level of diversification. Such pool-of-pools will have the power to alleviate the traders from the cost of regulation as the RigoBlock Pool, in this case, will act as a global traders fund with thousands or potentially millions of traders and bear all regulatory costs, acting as a guarantor. One peculiar topic could be the possibility of fraud. What if a scam-token got listed on an external decentralized exchange and bought by the same creator through a decentralized pool of tokens deployed on our platform? We have already addressed this question by creating an authority mechanism which allows trading only to approved trader, from approved pools of tokens, to approved exchanges and even the tokens of the exchanges have to be approved. This has been created to improve compliance of the RigoBlock ecosystem. We envision Euro-denominated funds and Euro-denominated share classes (hedged and unhedged) of ETH-denominated funds. Long term we envision a world where everything related to money is transacted through the Blockchain, salaries and taxes are paid using the Blockchain, and different Blockchains will be communicating together. So far the only imaginable way of providing a Blockchain-agnostic framework has been to have a centralized approach with a centralized intermediary taking care of the different Blockchains and transfers from one another. Notable projects are proposing a solution through the use of side-chains (Hyperledger) by making use of relayers (BitcoinRelay) and, last but not least, Polkadot, which proposes the use of validators for allowing all Blockchains to be aware of what the other Blockchains are doing and thus allowing transfers from one chain to another, be them the public Blockchain or private or consortium ones.

11.1. **Scalability.** Scalability of the platform will be directly connected to the scalability of the Blockchain it is built on. Further to that, decentralized storage for the application will provide a cost effective and infinitely scalable solution to DDoS attacks and it will result in the platform being censorship-resistant. Swarm, the decentralized storage solution for Ethereum, and IPFS provide such a solution. At last, the fund structures are as scalable as the markets that are traded; a manager has immediate visibility and global reach, therefore eliminating national boundaries. The proposed Fund of Funds structure allows for professionally scaling the business and possibly even choosing to target *institutional clients* only. Scalability is one of the current limits of *social trading* when applied to

real money. By that we mean that a trader with a lot of followers might not be aware of the price impact on the price her trades have; in case she is aware, there is even the possibility of free riding her own clients, therefore totally dis-aligning their common and individual interests. RigoBlock Drago, by contrast, provides a highly scalable infrastructure where trading is as scalable as the markets a manager trades. Further to that, a trader has all the benefits of pooling investors together without the need of periodic rebalancing of single accounts. Ultimately, the topic of regulation will be responsibility of the individuals using the platform. Pooling investors' clients is subject to regulation in most countries. Regulation differs according to target clients and business models; in some instances it is very limited, in others it is burdensome. What we propose is a framework which automatically self-regulates and poses higher guarantees of compliance than traditional fund structures, thus much alleviating the work needed in operations. Under certain conditions, we believe some of the managers might be completely out of reach of the scope of regulation, as with our proposed pool-of-pools model. Our job is to provide individuals with the technological tools to efficiently do their job, and to focus on their core business. Creating an ecosystem for trader, for us, means solving their problems one by one.

12. Conclusion

We have introduced, discussed and formally defined the RigoBlock protocol. Through our Smart Contracts Engine, a trader may deploy a decentralized pool of funds on the RigoBlock platform on the Ethereum network and immediately she or her investors will be able to subscribe or redeem the shares of the fund in real time. Contracts are autonomous and immutable, the manager can only manage them. This level of transparency, efficiency and accountability constitutes a self-regulatory body never seen before in any regulated environment. We propose a different paradigm for rewarding performance through Proof-of-Performance, a new token minting algorithm.

13. Acknowledgements