

A blockchain cryptocurrency network that aims to serve as a financial backbone to space commerce.

Table of Contents

Page 1 ..... The case for space

Page 2 ..... Economic development, Tokenization

Page 3 ..... The GrounderCoin Network *(patent pending)*

Page 4 ..... Conclusion



**The GrounderCoin network aims to build a cryptocurrency that will help facilitate space commerce, trade and exchange.**

## **The case for space**

There are dozens of agencies and companies that are in the space industry. Some manufacturing vehicles, planning and launching complex missions, developing and launching satellites, and everything in between. Several of these organizations have talked about or are actively planning to go to Mars or the Moon to establish permanent colonies. At some point humanity will embark on this journey, be it a private venture or an international collaboration. Space colonies will depend heavily on resource trade and exchange as hard commodities will be imperative for survivability and profitability.

Humanity's goal to enter and settle in space is inevitable. With space colonization will come mining and resource extraction. We will likely see different companies and nations participating in different areas in space, with different goals and objectives. One thing they will all have in common is their need for resources and commodities. This will go unchallenged. Even totally self-sustaining colonies will likely need to import or export goods for some reason or another.

Humanity has explored and colonized before there was penicillin. It's in our nature to push the boundaries of what's possible, especially if there's talk of profitability, or on the other side of the coin, ultimate survival. Earth is a sphere. A solid sphere with a finite volume. We are constantly pulling things from inside of that sphere and putting those things through chemical reactions and changes, permanently altering the makeup of those things we pulled from the ground. Common sense would lead anyone to a simple and obvious conclusion, and that is we very likely will run out of something. It could be oil, uranium, ect, which ever is first. Mining and colonizing of other celestial bodies is the logical next step, and the GrounderCoin Network aims to provide world class financial services and technology to the space industry when the industry enters this stage of development.

**Commodity exchanges, marketplaces, and currencies are an extension of humanity, and will follow us where ever we go.**

### **Economic development**

Blockchain cryptocurrencies that offer smart contract features, in this case specifically tokenization, empower individuals and organizations to tokenize assets and other financial instruments and tools. These assets are then traded on exchanges and become subject to simple supply and demand principles. A commodity exchange following the appropriate level of regulation and vetting could be erected to help prop up a marketplace just for a group of colonial entities and foster trade. Utilizing this technology to quantify and represent goods and resources to be traded and sold on an exchange, or similar marketplace, could greatly benefit the economic system of supporting colonists and sending resources to or from celestial bodies. Imagine colonies and mining companies being able to quickly broker deals with each other, intelligently allocate resources, buy and sell commodity contracts, and much more. Creating a blockchain cryptocurrency system that could incubate colonial microeconomic development, financially connect colonies to Earth and one another, and promote free trade, would ensure a greater level of safety and security for all.

### **Tokenization**

Tokenization is a major focal point of the GrounderCoin blockchain network. Tokenization allows organizations, companies, and individuals to tokenize assets and financial instruments. This will ultimately prove as a powerful and predominantly used method of trade and exchange, as commodities and elements will be a major player through out space colonization's infancy. Companies will be able to issue and create tokens that are stapled to a commodity and traded on exchanges, issue fiat-backed stablecoins, and launch more traditional initial coin offerings and security token offerings. Tokenization offers an increased level of liquidity to a canvas market.

## A mesh network of hardware and software bridging two locations over a long distance.

### **The GrounderCoin Network**

- The GrounderCoin Company will raise funds through token sales to fund the soft launch and hard launch of the GrounderCoin Network.
- The GrounderCoin Company will create publicly available resources and materials to promote open-source development on the GrounderCoin blockchain network. This will include everything from instructional eBooks, technical documentation, an official block explorer and easy to use “launch your token” platforms.
- The GrounderCoin Company is a for-profit company that will take on the challenge of building and maintaining this network. Operational costs will be covered by transaction fees, token sales, and strategic partnerships.
- The GrounderCoin Company will always attempt to bring new organizations and companies on-board to participate in the network by tokenizing assets. Early token reservation is offered to all interested and qualifying entities. This allows serious companies and participants in the network who have a stake in the real world market to have valuable name space.
- The GrounderCoin Company will be responsible for maintaining compliance and licensing for all objects launched into space and all other hardware systems in place.

### **Hybrid Infrastructure**

Hybrid infrastructure is a phrase we have coined to describe the formation and structure of the GrounderCoin Network. The combination of a decentralized blockchain network with semi-centralized mesh networked hardware connecting to another celestial object. It is considered a network that is both software and hardware intensive, hence the term hybrid. The roll out of the blockchain network is referred to as the soft launch, and the design and launch of the hardware systems and satellite constellation is considered the hard launch phase.

## The GrounderCoin Network will ultimately serve the better interest of humanity.

### Conclusion

The GrounderCoin Company will uphold decentralization of the network while also acting as its keeper and maintainer. The network is meant to serve an economic purpose – specifically for companies and entities who share a similar vision and see the use case in the future of space commerce.

All tokens purchased during the coin sale phase will be exchangeable for actual GrounderCoins via an atomic swap upon the soft launch of the network. The initial total token supply minted is 200,000,000 and more may be minted if there is reasonable demand to justify it. In the future during the soft launch phase the genesis block of the blockchain network will mint the quantity of GrounderCoins equal to the minted token supply + ~5%.

After the network roll out, fund allocation is diverted from the deployment of the blockchain network to the design and launch of the hardware systems and satellite constellation, otherwise known as the hard launch. The hard launch phase involves the melding of several engineering disciplines and working with industry leaders to coordinate deployment, with funding coming from possible future GrounderCoin sale events, network transaction revenue, and other traditional sources of funds.

