WHITEPAPER

AARNAV.IO

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Disclaimer

This White Paper is intended to throw light on the technical aspects involved in the development, launch, and selling of the Aarnav security tokens proposed to trade which is a decentralized payment network subsidized by cryptocurrencies. Added, information and views expressed on this website are trusted to be reliable yet not recommended taken as the only guidance for any of your venture. Also, read through this document completely from head to tail before investing. Any investment is at risk of complete loss.

1. The website http://aarnav.io/index.html (from now on referred to as website) will hold no responsibility for the financial loss of any individual, a firm or any investors such as the Aarnav (ARM) securities.

2. You are thereby exhorted to study the stock, securities, crypto market and discern about its volatility before taking a stake in this security. The key function of this White Paper is to give reasonable details to significant Aarnav token holders for them to settle on a decision if to purchase the same.

3. However, if you are engrossed to plough money into Aarnav (ARM) securities, then it is significant to bear in mind that the securities above came with its risks and subject to market fluctuations.

4. The website Aarnav shall hold no liability or responsibility for any of the following,

a. Human error with regards to any Aarnav-related service or software, for instance, payments made to faulty addresses, unfortunate deletion of wallets, misplaced/forgotten passwords.

b. Software issues in the Website or falsified wallet file, incorrectly made transactions, unsafe cryptographic libraries, viruses affecting the Website or any Aarnav-related service or software.

c. Fault or technical failure in the hardware on the user's end on/ after/during transfer or storage of data or coins.

d. Security threats experienced by the investor, or user associated with Aarnav service or software for instance unaccredited right of entry to users' accounts or wallets.

e. The website above shall not bear third-party infringement of passwords of wallets and threats to the security of data or any other fraudulence.

f. All data specified on this White Paper and this website including data on services, projects, products, and ecosystems subjected to modification without prior notice.

g. All data displayed on this website, concerning cryptocurrency and Aarnav (ARM) security coin checked with utmost care for accuracy. However, no assurance given that the information provided shall be correct in all the given time frame.

h. The calculations and price specifications are intended to serve as a guideline to the ARM securities holders. One should take all the necessary steps to keep themselves informed about the digital monetary units before buying or trying to invest in them

A word from the CEO

A world is full of uncertainties where investments can go boom or bust with just one word. In this world full of risks, crypto mining could behave volatile as comparable to bitcoin prices. Cryptocurrency is booming in the right direction. There is so much to discover and so much to learn. It's a currency that is full of potential and has a purpose beyond speculation.

As you probably have seen in the news many times that several ICO's (initial coin offerings) have been shut down, investor funds are frozen or negligibility/scam founders, etc. Many ICO's and projects flunked due to many reasons. Few of them being fraudulent, tokenomics, moreover not registered/regulated or follow government guidelines. As we progress into 2018, it is likely that the SEC will continue to ramp up their enforcement and continue their crackdown on non-compliant ICOs.

Comparatively, any ICO's or corporations that pay dividends to its investors or token holders will be classified as security and not utility token.

It is likely that this will be the year that we witness tokenized securities take off.

The ARM team has since decided to get AARNAV INC. on a private placement of securities under Rule 506(c) of Regulation D of Securities Act of 1933 (the "Act") for accredited investors* in USA (United States of America). Also, for offshore investors under US law Regulation S, non-accredited but AML/KYC approved & accredited but, KYC approved. Furthermore, that AARNAV (ARM) is a SECURITY and NOT "Utility TOKEN."

AARNAV team believes in the green and clean source of energy, that is why we intend to establish mining farms near the source of Hydro-electricity predominately in Niagara Falls region of New York, Chelan region of Washington and Freeport where not only it will be beneficial for one of the cheapest electric rates and abundance of hydroelectricity, but also great climatic conditions for profitable return on investments.

In 2015 I had learned a lot regarding crypto, worked on equipment's that included Innosilicon A9 ZMaster, Nvidia 1070, Nvidia 1070 TI, Nvidia 1080, Nvidia 1080 TI and most recently Antminer L3+., from mining the best algorithms to switching between the best mining pools for better payouts. The same method will be applied or will form our pool to save on fees to benefit our security holders.

My name is Gurpreet Kaur, CEO of AARNAV INC. A Delaware USA corporation. I have my bachelor's in biology from the State University of New York. I am proud to be leading AARNAV & working with a team of professionals that have tremendous expertise in their given fields. Together we will create a niche that will be growth-focused at the same abide by regulations to investment jurisdictions as not only our integrity, but investments of investor are own sake, every single investment will go through transparency to all. This whitepaper is my commitment to openness, honesty, and credibility to our Security holders and investors.

VISION

The future is decentralised and distributed, fast and reliable, secure and transparent, inclusive and participatory, rule-based and community-driven. Blockchain technology brings us one step closer, first and foremost, by allowing for the creation of cryptocurrency.

As with any breakthrough technology, blockchain and its various applications face some resistance and scepticism. Once new technology is tested and proven, it is adopted by industry, society and, eventually, by the state...as is already starting to happen in the case of cryptocurrency.

We believe that cryptocurrency is the next step in the evolution of payments and value storage.

It allows parties to not only transfer value to one another, but to avoid the unnecessary and typically high transaction costs of traditional (and increasingly obsolete) intermediaries.

The blockchain technology that cryptocurrency is based on opens new horizons for society, communities, businesses, governments, and NGOs. There are countless ways to apply blockchain that will enable us to run social networks, banking, e-commerce, insurance, and many other services in a safe, more efficient, and decentralised way – without the need for a central operator or other intermediary.

Blockchain is interactive technology. It relies on participation. The very essence of the blockchain is continuous cooperation between participants around the world. One of its key features is the continual verification of transactions. This is how cryptocurrency is "mined". In exchange for participation in the verification of transactions, participants are granted a certain amount of newly-generated ("mined") cryptocurrency.

This is what Aarnav will do for its Community on an unprecedented scale.

Our Vision: The World's Biggest Crowdfunded Cryptocurrency Mining Operation
This ambitious goal can be achieved by bringing together a broad community of contributors and a dedicated team of experts and professional staff with a budget of USD 250 million.

To achieve this goal, several key challenges need to be met:

Cutting-Edge Mining Hardware

Cryptocurrency mining is most profitable when done with top-of-the-line, task-specific hardware. At the moment of writing, that means ASIC-processor-based machines like the A9 Zmaster and others. At the projected scale, Aarnav will be in a position to negotiate heavily-discounted prices for mining equipment directly with manufacturers.

Ultra-Low-Cost Electricity and Stable Energy Supply

A key factor in mining profitability is the cost of power. Northern US including Chelan, Niagra falls, Freeport etc have a surplus of electricity due to their well-developed infrastructure and interconnectivity, as well as renewable energy sources. Industrial facilities like data centres and hi-tech factories also benefit from tax incentives from governments supporting such activities in the region.

The first Aarnav's facility will be located in Freeport New York, which ideally meets Aarnav's requirements in terms of ultra-low-cost electricity (USD 0.067 / kWh) and stable supply, as well as a Northern climate that makes it less costly to keep equipment cool.

Secure and Reliable Facilities

To reach and maintain maximum mining efficiency without compromising on security and reliability, Aarnav mining centres will each be located near a reliable source of electricity. The amount of equipment each can accommodate will depend on the size of each. For example, a facility with around 20,000 m2 of floor space can accommodate 4,000 A9 Zmaster units with a total computing capacity of about 200,000,000 h/s. With such a configuration, Aarnav can mine ±23 bitcoins per day at the current difficulty level (August 2018). At current prices, it could be built for approximately USD 25 million.

Top-Notch Experts and Professionals

It takes a team of engineers, security and construction experts, and software developers to run even a modest mining centre, not to mention centres on the scale Aarnav is planning. The Aarnav's Team boasts all of the qualifications and competencies to build, install, and operate industrial-sized mining facilities. Members of the Aarnav's Team have built and manage(d) the following data centres:

The Equinix Sydney Campus is the most interconnected group of data centres in Australia. With the addition of the new SY4 facility, they provide a total of 12,680 square meters (136,500) of state-of-the-art colocation space in Australia's top business market.

Industrial-Grade Bitcoin Mining

To run an efficient and sustainable large-scale mining operation, it should comply with and even exceed the highest standards of the data centre industry. Our team has the experience and know-how to achieve this. Aarnav mining centres will have the following features:

A Stable and Secure Network Infrastructure

The Internet connection at each Aarnav's mining centre will be reliable and fast, with at least two independent Internet feeds to be installed. All equipment will be protected from intrusion, hacking, and DDoS attacks using network security firewalls and traffic filters managed by our skilled network engineers. Data network security is critical to ensuring the uninterrupted functioning of the mining centre. Each centre's internal network will be connected to the public Internet and, at the same time, secured from threats that may arise from it, including hacking, DDoS attacks and so on.

Physical Security

Aarnav's mining centres will be equipped with 24/7 video surveillance systems and around-the-clock security. Live video feeds from each facility will be available online. Fire prevention is a high priority. Mining centre premises will be built of fire-resistant, non-combustible materials and have an aspirating early warning system that detects threats of fire in advance, before they have begun.

Effiective Cooling

The use of IT hardware in temperatures exceeding 40ºC (104ºF) increases the chances of failure by a factor of more than four. Therefore, appropriate ventilation of a mining centre is key. All Aarnav's facilities will have an eco-friendly and efficient "free cooling" system. No water will be used for cooling, so there is absolutely no risk of spillage that could result in equipment damage. The cool climate makes Northern US the ideal location for mining centres as very little additional power is required for cooling.

Preventive Maintenance

of physical infrastructure and mining centre equipment to keep costs down, ensuring energy efficiency and preventing malfunction and downtime.

Insurance

Apart from general security measures, Aarnav's mining equipment will be insured against all kinds of damage. At the time of revision of this White Paper, negotiations with international insurance companies are in progress and will be concluded and announced shortly.

Cost Effective Electricity

With great climate conditions, Aarnav facilities will have Abundace of electricity and advantages of cost effective electric rates in the world.

Transparency

AARNAV believes in having complete transparency to their investors that is why we have made the live mining stats available to view anytime on our website.

Quarterly Payouts

AARNAV (ARM) security holders will get quarterly payouts in the form of dividends.

Regulatory Environment

We from the beginning believed in regulatory environment that is why AARNAV has exemptions under Reg D section 506c and Regulation S to do a Security Token offering in USA instead of ICO

Re-Invest

AARNAV (ARM) will expand and equally reinvest the reserves 25% of quarterly net profits in mining facilities.

Reserve as authorized Securities

Unsold ARM security tokens will remain in reserve as authorize securities to issue in future

Lifetime Token

The benefits to AARNAV (ARM) securities token will be for a lifetime if they hold ARM securities token.

Agenda

AARNAV (ARM) has a clear agenda in both the fields:

Cryptocurrency Mining

AARNAV (ARM) has a clear agenda toward both these fields: -

Cryptocurrency Mining

Cryptocurrency Mining

- As far as crypto mining is concerned, we will negotiate bulk buy orders with equipment suppliers to get the best price.
- Strategically search for locations Niagara Falls region of New York, Freeport and Chelan region of Washington.
- AARNAV (ARM) will make best efforts to obtain industrial electric licenses, hence falling in industrial rates tier which is ultra-low cost, then commercial tier.

For instance:

Industrial Electricity in Chelan

Industrial Electricity in Chelan
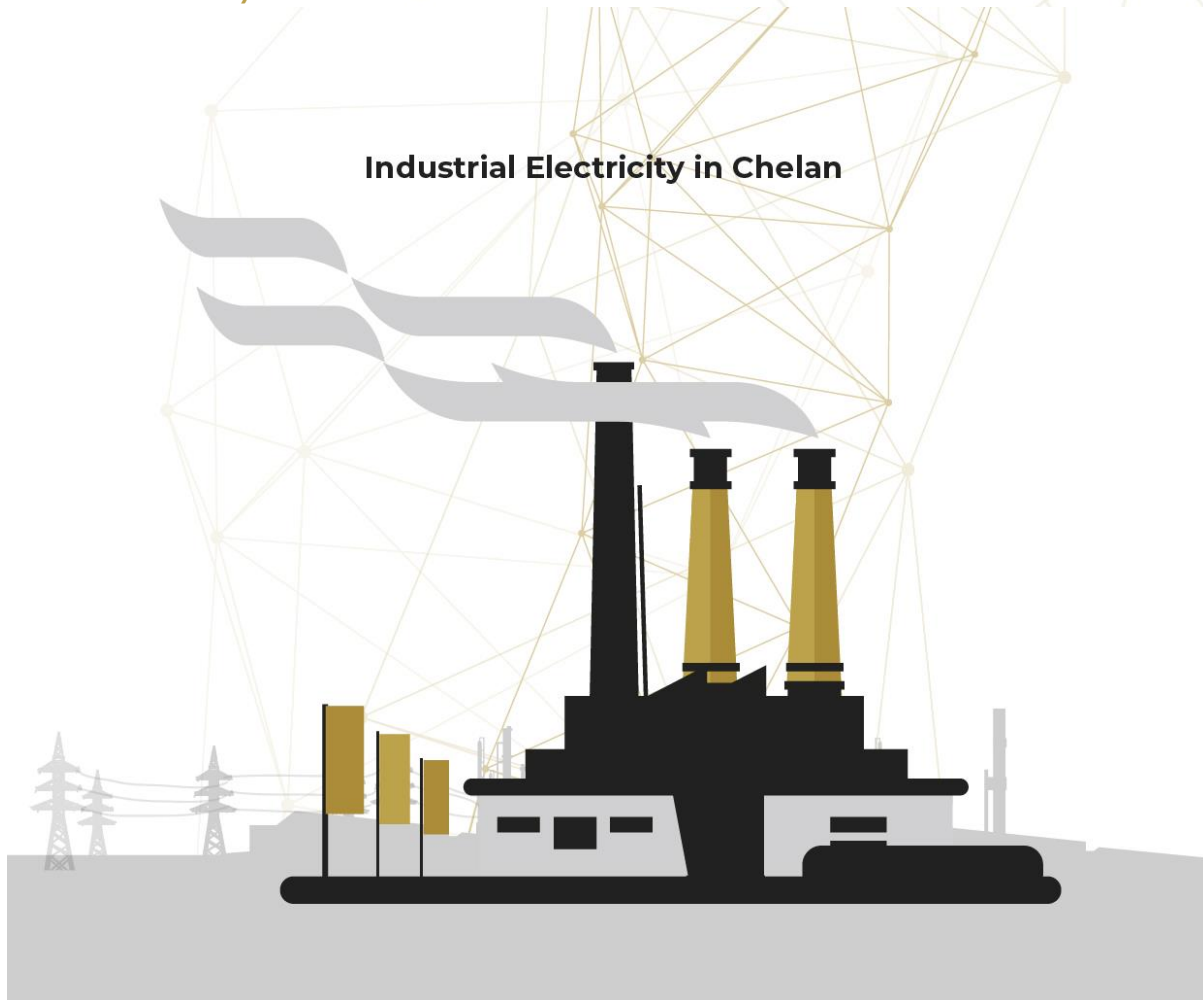
- The average industrial electricity rate in Chelan is 2.18¢/kWh.

- This average (industrial) electricity rate in Chelan is 47.22% less than the Washington average rate of 4.13¢/kWh.

Industrial Electricity in Niagara Falls
- The average industrial electricity rate in Niagara Falls is 4.79¢/kWh.

- This average (industrial) electricity rate in Niagara Falls is 28.51% less than the New York average rate of 6.7¢/kWh.

Future of AARNAV (ARM securities token)

1. AARNAV (ARM) will proceed to be 1.0 BaaS (Blockchain as a Service) and will function as an asset dismemberment to construct mobile information application (B-wallet app)

ASSET

2. Moving to the next step, the ARM will set its foot into improving the liquidity of physical assets by evolving as a financial exchange platform which will be ARM 2.0

EXCHANGE

3. ARM 3.0 service will get designated as PaaS (Protocol-as-a-Service) that provides a standard function of initiation and publication for ATO (Asset Tokenize Offering).

BLOCK CHAIN

TOKENOMICS

Tokenomics

Token Name	**AARNAV**
Token Symbolic Symbol	**ARM**
Platform	**Ethereum**
Token Type	**Security**
Available for sale	**3,500,000,000 ARM**
Total Supply	**10,000,000,000 ARM**
Crowdsale	**Starts 14th July 2018**
Minimum investment	**USD $10,000**

AARNAV (ARM) security token priced at 1 **ARM = US $ 0.10c**

TOKENOMICS

TOKEN ALLOCATION

- **Crowd Sale -** 80%
- **Founders allocation -** 10%
- **Research and development -** 7%
- **Compensation, exploits and**
- **vulnerabilities program** – 3%

TOKEN CHARACTERISTICS

- **Voting Rights:** Yes
- **Dividend:** Yes
- **Dividend Frequency:** Quarterly
- **Additional Features:** tokens to be locked for 12 months

LEGAL DETAILS

- **Issuing Jurisdiction:** DELAWARE, USA
- **Intervestors Must be Accredited:** Only U.S. Investors must be accredited
- **Inverstor KYC Needed:** Yes

TOKEN CHARACTERISTICS

Voting Rights: Yes

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LEGAL DETAILS

Issuing Jurisdiction: DELAWARE, USA

Offering Security to Worldwide

Investors Must Be Accredited: Only U.S. investors must be accredited

Investor KYC Needed: Yes

1st Phase - $20 Million (USD)

Hard cap - $250,000,000 ($250 million USD)

TOKEN ALLOCATION

Crowd Sale - 80%

Founders allocation - 10%

Research and development - 7%

Compensation, exploits and vulnerabilities program – 3%

Output Distribution
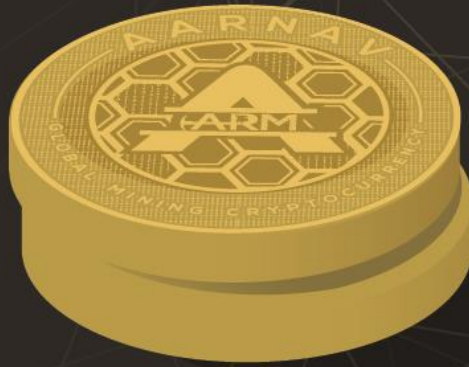
Quarterly distribution of dividends will occur as follows

(NO MORE THAN 5 TO 7% USUALLY)

=

75%
ARM SECURITY TOKENS

DIVIDENDS WILL BE DISTRIBUTED EITHER TO THE BANK ACCOUNT INFORMATIONS PROVIDED OR EXCHANGE INFORMATION FOR EXAMPLE BITCOIN, RIPPLE OR EITHERIUM ADDRESSES

25%
ARM SECURITY TOKENS

AS ARM EQUALLY REINVEST 25% QUARTERLY NET PROFITS IN BOTH MINING CRYPTO FARMS/EQUIPMENT UPGRADES OR NEW TECHNOLOGY FOR MINING CRYPTOCURRENCY AND REAL ESTATE INVESTMENTS AFTER ANALYZING THE MARKET CONDITIONS.

Output Distribution

Sustainable generation of value for the AARNAV's Community is the number one goal of the Aarnav's project. Upon commencement of mining operations, 75 percent of monthly net output (total output minus electricity, facility, and maintenance costs, including maintenance staff) will be converted to Bitcoin and automatically distributed to ARM Token Holders. The remaining 25 percent of monthly net output will be re-invested into new equipment to maintain the efficiency of ARM mining centres. Because mining cryptocurrency requires such processing power as results in higher power consumption and greater excess heat, equipment must be replaced frequently to maintain efficiency. By using 25 percent of monthly net output to renew each mining centre from day one, Aarnav's will ensure the continuous efficiency of its mining centres for as long as mining cryptocurrency remains financially viable. Aarnav's estimates this may continue for at least another seven years.

Sustainability

Due to the specifics of cryptocurrency mining – as more miners join, mining becomes increasingly difficult, making more and more computing power necessary to keep up – the profitability of mining equipment tends to decline over time. The rate at which this occurs is the most significant and elusive variable. Because no one can predict the rate at which additional miners will join the mining network, no one can predict how difficult it will be to mine cryptocurrency in six weeks, six months, or six years. This is one of two reasons why no one can ever conclusively answer the question "is mining profitable?"

The second reason is the conversion rate, which is also difficult to predict. Cryptocurrencies are constantly fluctuating in value – sometimes dramatically so. Although we believe cryptocurrencies are the future, there are no guarantees of their future value.

Use of Crowd sale Proceeds
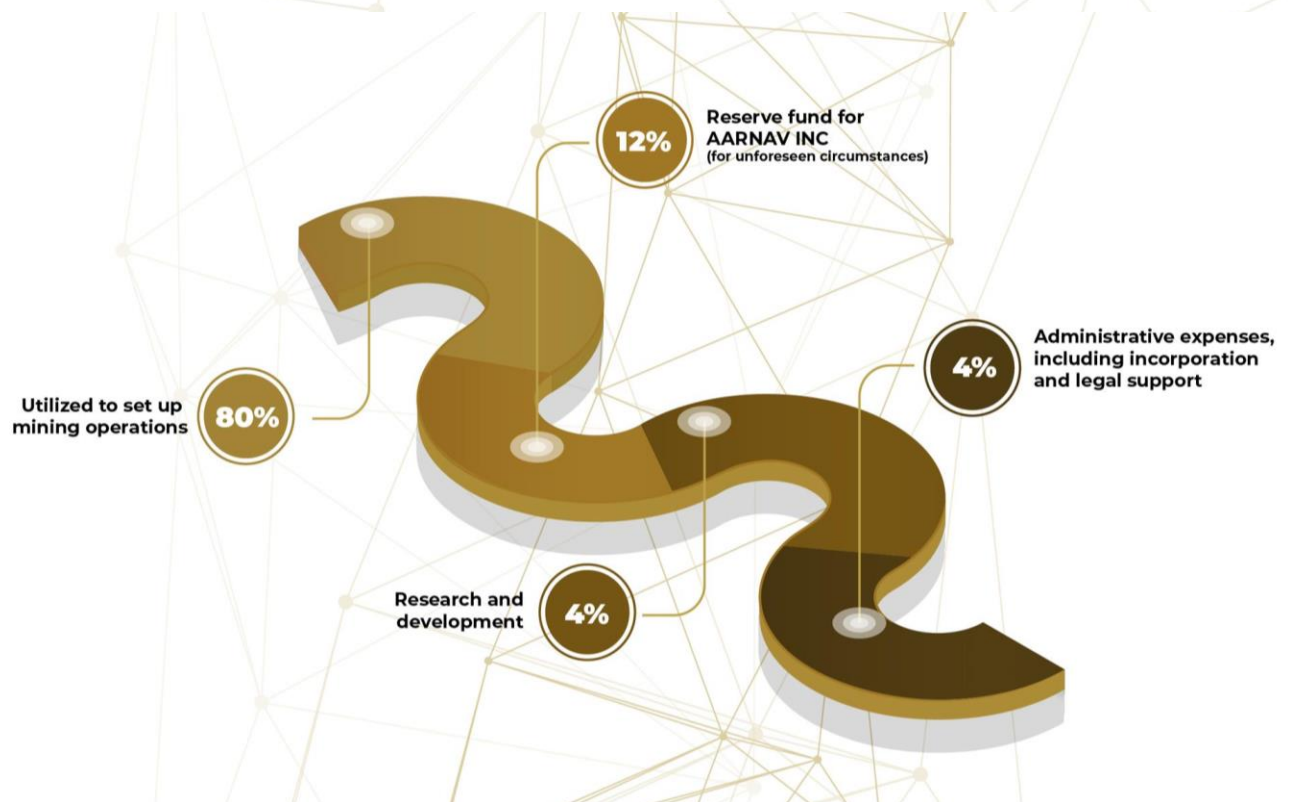
1. 80% utilized to set up mining operations.

2. 12% reserve fund for AARNAV INC. (for unforeseen circumstances)

3. 4% Research and development.

4. 4% administrative expenses, including incorporation and legal support.

* Accredited Investor Requirements

To be an accredited investor, a person must demonstrate an annual income of $200,000, or $300,000 for joint income, for the last two years with the expectation of earning the same or higher income. An individual must have earned income above the thresholds either alone or with a spouse over the last three years. The income test cannot be satisfied by showing one year of an individual's income and the next two years of joint income with a spouse. The exception to this rule is when a person is married within the period of conducting a test.

A person is also considered an accredited investor if he has a net worth exceeding $1 million, either individually or jointly with his spouse, excluding the value of any primary residence. The SEC also considers a person to be an accredited investor if he is a general partner, executive officer, director or a related combination thereof for the issuer of unregistered securities. The complete definition of an accredited investor is found in Rule 501 of Regulation D to the Act.

Company Reserve

Once the first mining centre is operating, Aarnav will be setting aside 25 percent of Aarnav's net output to order the latest, most efficient cutting-edge hardware and ensure Aarnav remains on the cutting-edge of technological developments in mining by replacing older, less efficient hardware. That way, ARM Token Holders can expect to receive pay-outs indefinitely and without significant diminution due to hardware obsolescence or wear.

Unusable or unprofitable equipment will be sold in the aftermarket or otherwise utilised. Received funds will be used to upgrade mining equipment. Aarnav will be constantly monitoring markets and the latest developments in mining equipment and its utilisation to ensure the best possible mining options. We will configure and utilise mining equipment in such a way as to operate at maximum efficiency and profitability for the Aarnav's Community. A temporary contingency reserve will be created at the outset that will be equal to an amount of funds raised during the Crowdsale that is sufficient to maintain operations at all Aarnav's mining centres in the unlikely case of 1–2 months of unfavourable market or mining conditions at the very start of operations.

The purpose of the reserve is to avoid a situation in which short-term operating costs cannot be covered due to unfavourable market or mining conditions and to provide a certain leeway that will allow for the possibility to wait out a temporary downturn that could make it impossible to cover costs. If, due to unfavourable changes in mining difficulty, costs, or exchange rates, mining starts to cost more than it is worth at any particular mining centre, mining operation and output distributions may be suspended until the situation improves.

In the event that the reserve is utilised during a temporary downturn, a decision to resume mining must be based on a positive assessment of the likelihood that the reserve can be replenished through the sale of mined cryptocurrency. If, in the estimation of Aarnav's Management, it cannot, then operations will not be resumed and the centre or centre(s) will be liquidated.

In short, distributions and mining will only take place if sufficient cryptocurrency can be generated to cover costs. If a decision is made to permanently halt mining operations, the reserve will be used to cover any outstanding costs as well as costs of closure. What remains of the reserve following closure will be equitably distributed to ARM Token Holders along with a full accounting of the use of the reserve.

Relatively low competition

Though the potential of the crypto market was recognized long back, it did not come to limelight until a boom in 2017. Owing to significant capitalization and market opportunities several start-ups are trying to tap into it. However, there is still more space available for the new entrants to try their hand in this newly emerged market opportunity.

Though there are several cryptos in the market right now, Bitcoin takes the credit for being the first ever cryptocurrency. However, the growing chance for the launch of other coins, seem to make an excellent platform for the start-ups to raise funds for their business.

THE BITCOIN TRANSACTION LIFE CYCLE
Rob's quest to send 0.3 BTC to his friend Laura

BEGIN

Rob opens his bitcoin wallet

Scans/Copy Laura's address...

Files the amount and the fee...

and sends!

User

The wallets signs the transaction using Rob's private key

Machine

Mining is the computational process of calculating a certain hash.

Mining time!

Miners include the transaction in the next block to be mined

10 seconds until now!

The transaction is propagated and validated by the network nodes

New bitcoins are created!

The miner who solves the proof of work propagates the new block to the network

The nodes verify the result and propagate the block

Laura sees the first confirmation

New confirmations appear with each new block that is created

What are security tokens?

The security tokens are additional safety devices for our internet transactions. They are a way to strengthen, and also speed up, the authentication of our person in services that require passwords, PINs or digital signatures. They can store this access data to certain services or information, but in most cases what they do is offer an extra access key that is generated at the moment.

Types of security token

Devices

There are tokens that connect directly to the computer or they do it by methods such as Bluetooth, although here we could also include the messages to the mobile. Others do not require connection but generate keys that will then have to be manually entered into the computer or mobile device. This type of token is the most common and is usually used in addition to passwords.

Passwords

The most popular security tokens are those known as OTP Tokens (One-Time Password). There are some that generate keys that are renewed every so often: we have, for example, a number that we can only use once because at 30 seconds it changes. The problem with these tokens is that they run out of battery or are not well synchronized with the server clock, although it is possible to either change the battery or resynchronize the token. There are tokens that are not synchronized but work or use mathematical algorithms, a stimulus-response system in which the server will send a stimulus (usually a random number) and wait for a response from the security device (usually a hash).

SAFT and Security Tokens

The SAFT may be a cousin of the SAFE - but the relationship comes with conditions and anyone who is considering making the rabbit hole must consider the possible consequences very carefully. The increase in UCIs has been difficult to ignore. What was once seen as a gimmick is now threatening to reshape the fundraising industry. This is particularly the case of VCs and investors that have to do with investments in very early stages. The fear of losing (substitute) and being left behind the curve has led VC and other institutional investors "type" to find a way to get on the car and enjoy the benefits that have been absent from the more traditional asset classes. Despite the appetite for newly created instruments, a number of institutions faced the same problem - their mandates prevented them from investing in such instruments. There is also the issue of regulation. Most of the UCIs have operated under the assumption that the associated tokens are a utility and should not be categorized as securities. The sale of security tokens without proper registration with the competent regulatory body may endanger the entire project. however, the distinction between security and public service tokens has become even more murky in recent months. For example, the vast majority of ICOs are self-restricted to accredited investors, at least for certain stages of the fundraising process, and when done in conjunction with a Reg D presentation, this would imply that a compatible ICO has been cape. Unfortunately, the reading in the regulation opens a flood of possible problems. After the offering, a Reg D security token would have to comply with the restrictions in place, including a 12-month lockout, and a limitation of token transfers only to other verified accredited investors - this should be monitored. In the US, SAFT itself is a security, so it could be offered in a private placement to accredited investors. The chips that are eventually delivered to investors, though, must be fully functional, and therefore not active, included in the US law. The SAFT is a value. Requires compliance with securities laws. The resulting tokens, however, are already functional, and do not need to be values included in the Howey test. These are consumer products and, as such, require compliance with state and federal consumer protection laws. It seems like a rational approach. However, there is a fundamental flaw, and that is the fact that the SEC is yet to officially confirm this approach avoids the classification of values. So, the story goes like this: first the market was plagued with tech superstars at night trying to raise millions of dollars for nothing more than an idea. Now, we have self-proclaimed lawyers come up with frames that have no legal basis and are at least subject to dubious interpretations.

How security tokens will transform utility ICOs

The Initial Coin Offerings (ICOs) have raised more than 3.25 billion dollars this year, creating what could soon become a trillion-dollar industry. Through ICOs, small start-ups can raise capital by selling tokens through the blockchain (usually the Ethereum) and distribute them in exchange for funds to finance their business. These tokens can be used for a wide variety of functions, from giving access to a service to its owners to assign dividends from a company. Depending on what you do, a token is classified into a utility token, security token, or equity token.

Utility Tokens

Utility tokens represent a future access to the services offered by a company. They are mainly characterized because they are not theoretically created as investments, so if they are properly structured, they could be exempt from government laws on valuable goods. Creating utility tokens, a start-up offers a future service to a platform still in development, in the same way that a person can make a pre-purchase of a video game that has not yet come out and still have months to be available. It is important to note that the term utility token is not a legal term. There is still a lot of regulation pending and could eventually be considered values and fall on those rules.

Examples

Filecoin raised 257 million dollars selling tokens that will offer someday access to a decentralized dropbox style service. Meanwhile, the purchased tokens are exchanged in exchanges on a daily basis and their price fluctuates solely due to supply and demand as if they were tickets to a music concert. Basic Attention Token (BAT) is a currency used to incentivize web owners by visitors through the Brave browser. Utility tokens are not participations of any kind to a company or product.

Security Tokens

If a token derives its value from an interchangeable, tradeable and external asset, it is qualified as a value token and regulations corresponding to stock exchange values are applied to it. This use opens a wide range of functionalities to cryptocurrencies, where the most promising one would be to create dividends for the participation of a company. Other future value tokens could represent precious metals or government bonds. The retail company Overstock recently announced that tZERO, one of its subsidiaries, will carry out an ICO to finance the development of a licensed platform of value tokens. The tokens sold will be distributed according to the regulations set by the American National Securities Market Commission, and its CEO, Patrick Byrne has announced that the owners of these tokens will receive quarterly dividends derived from the benefits of the platform. It is thought that many companies will soon make use of this participation distribution mechanism through ICOs either in place of or in addition to the traditional IPOs.

Equity Tokens

One of the most promising applications of smart contracts is the potential of start-ups to create participation actions through tokens. This would benefit start-ups since the access barrier to financial markets would be much more accessible. Equity tokens are a subcategory of Value tokens that represent possession of an asset, either a debt or stock of a company. Using Blockchain technology and smart contracts, a start-up could abstain from traditional IPOs and instead allocate shares and voting rights through tokens. Additionally, a lender could create tokens that represent the debt of a company, allowing it to be bought and sold in a highly liquid environment. Many people consider that equity tokens will become the predominant tokens of ICOs, but it must be borne in mind that the National Securities Market Commission has announced that these tokens are subject to the regulations of securities, and therefore few companies have dared to venture to make use of them for not having the resources to comply with all the regulations that apply.

Coins

To these tokens are added the coins intended only as means of payment, such as Bitcoin. Unlike the previous ones, they represent nothing more than themselves as a means of payment. However, by definition any cryptocurrency can be considered a currency which greatly hinders the work of regulating this market.

What is Mining?

Concerning Bitcoin, mining is to verify transactions and add them in the public ledger dubbed blockchain by which new coins are released. Anyone with compatible hardware and a speedy internet connection can take part in mining Bitcoins. The reward eventually is Bitcoins with the transaction fee charged for the transfer process. The rewards for mining Bitcoin is called block rewards, and it is halved every four years. The difficulty of mining changes every two weeks or else every 2016 blocks solved.

Bitcoin mining is structured to be resource-intensive and complicated only for the number of blocks solved by the miners each day, remains the same over time, and the output is a countable monetary supply. Every single block solved must have a proof-of-work (PoW) for it to be taken as valid. The proof-of-work done will be cross-checked by other Bitcoin nodes for which they receive a block every time. To keep double spending in check, Bitcoin uses PoW which makes its ledger immutable.

Miners are paid transaction fees as well as a subsidy of newly created coins, which serves the purpose of inviting new people to tighten the security as well as to spread the newly generated coins.

How did it start?

Earlier mining was done using the original Satoshi client, and CPU was the only way to mine coins. Eventually, as the days passed, miners started finding ways to dig the coins faster and with more accuracy and ended up finding a high-power backup system that would help solve the puzzle in a relatively shorter span of time. The need for high processing machines for mining paved way to find that GPUs (Graphical Processing Unit) consume lesser electricity but performs calculations faster.

GPU followed the CPU Bitcoin mining and allowed around fifty to hundred times the power of CPU is consuming less power per unit of work done. If mining were done with a laptop it would take decades to complete the process but with no guarantee of earning a coin. Thankfully the scenario has improved with the passing of time, and ATI Radeon HD 5870 seemed to be the best till some point in time.

MINING

What is the state of Mining now?

The days when ordinary computers were used to mine bitcoins at home are long gone. It does not matter if an individual mine at home or joins a mining pool, but one needs, a system that functions at least 1,00,000 times faster than the regular computers. As per recent records, Bitcoin's estimated annual power consumption is 0.14 % of the world's yearly electricity utilization. The records further suggest that 250 kWh (kilowatt) of the power supply consumed per transaction.

Miners Profitability Chart

Live income estimation of all known ASIC miners, updated every minute.

Profits calculated over 200+ coins and 25+ algorithms.

Model	Release	Hashrate	Power	Noise	Algo	Profitability
ASICminer Zeon 180K	Sep 2018	180ksol/s	2200W	47db	Equihash	$172.66/day
Pangolin Whatsminer DCR	Nov 2018	44Th/s	2200W	75db	Blake256R14	$74.67/day
Innosilicon A9 ZMaster	Jun 2018	50ksol/s	620W	70db	Equihash	$47.93/day
Bitmain Antminer Z9	Sep 2018	40.7ksol/s	1150W	75db	Equihash	$36.85/day
ASICminer Equihash 40K	Jul 2018	40ksol/s	1140W	47db	Equihash	$36.18/day

Data updated: August 21, 2018

Disclaimer

All data provided on this website is for informational purposes only, based on profit calculations and analysis of community feedbacks. Any external link is out of our control. Cryptocurrency mining is a high-risk investment, we are not responsible for any financial loss, invest at your own risk!

State of the art hardware

At this point, the demand for mining hardware is sky-high and the time between project initiation and completion is too long. On the other hand, the equipment's in the aftermarket costs twice or thrice the usual price, taking a toll on your profit. But as an advantage, Aarnav has access to the top-notch hardware producers in the industry to buy in wholesale rates. Raising higher funds during crowd sale eventually gives us a better probability of striking a good deal with the manufacturer. Our expertise in handling and maintaining data centres gives us power supply at industrial rates, many times lower than an individual can get. However, it is far from possible to get this subsidy for a person trying to buy this hardware and other facilities.

Access to a sustained and cost-efficient power supply

The current day high-end mining equipment's require anywhere around 1 -to 1.5 kilowatts of the power supply. An average domestic supply gets 5-10 kilowatts of supply. If our everyday power consuming devices like a dishwasher, a washing machine, a television, a kettle, and a computer use 6 to 8 kilowatts, just a couple of mining devices can also engulf your power supply. In this case, you can either increase the power supply that you receive or spend some extra cash on circuitry upgrades. In case you reside in a place where the power supply is limited, then getting additional power supply must be a difficult task. Usually, the price of domestic current costs 30% to 50% more than the industrial rate. Aarnav is currently attempting to reach terms on the best possible rate for power supply on the market.

Professional and efficient maintenance

Mining systems wear out as time goes by and eventually becomes old fashioned. Due to the drastic demand quality checks on the already available systems become a must. System malfunction or a total breakdown is a regular story in many cases. Engineering experts at Aarnav provide all the necessary care and services to the systems used for mining purposes. Though an individual has a handful of miners at home, and a system breaks down the progress gets affected to an extent until the system experts arrive. But with Aarnav, the team has enthusiastic engineers on hand to keep the work going.

Constant monitoring of mining process

Mining at home requires a constant check on the systems involved in the process, which in turn requires workforce round the clock. A moment of poor internet connection or low power supply can cost us in dollars and pounds. To keep such issues at bay, one has to monitor the entire set up with eyes like a hawk. But the scenario changes when it comes to mining at Aarnav's secured location. The systems and the entire rig set up is under surveillance throughout the day. Keeping trivial things aside, let's consider our primary need, the mining equipment. It would take at least a few days for the service providers to get to the mining site with the rectified tools or even with tools to fix the existing systems. However, with Aarnav's systems, we have a constant back up for our systems to avoid an even minor loss that affects our investors.

BUSINESS MODEL

Current Mining Scenarios

The major problem with mining is the cost of electricity. AARNAV has a solution to the challenges:

Our rates are way economical than our competitors.

Competitors are advertising (0.065) EURO per Kwh.

If calculated in US Dollar, its USD 0.0798c TO 0.08c per kWh

Whereas

We believe in the green and clean source of energy, that is why ARM decided to establish mining farms near the source of Hydro-electricity with an average rate of USD 0.06cper kWh

MINING FARM

1. Niagara Falls region, NEW YORK, USA

The average industrial electricity rate in Niagara Falls is **4.79¢/kWh**

The average commercial electricity rate in Niagara Falls is **5.99¢/kWh**

2. Chelan region, WASHINGTON, USA

The average industrial electricity rate in Chelan is **2.18¢/kWh**

The average commercial electricity rate in Chelan is **3.44¢/kWh**

3. Freeport, New York, USA

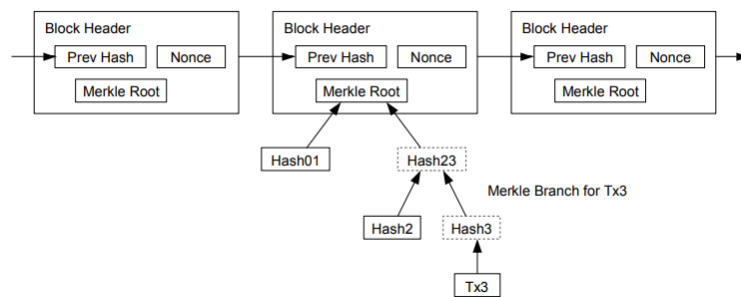The average industrial electricity rate in Freeport is **6.7¢/kWh**

The average commercial electricity rate in Freeport is **13.67¢/kWh**

Our Mining Rig Setup

The world is ever changing new technology, and mining difficulties will expand, but for the next few years, we will keep reinvesting within our facilities owing to lesser rates of industrial power.

The final verification is reliable until the honest nodes control the network, but it is subject to threats if an attacker surpasses the network. If the attacker can overpower the nodes, his fabricated transactions tend to stay in the blocks. The networks tend to verify the transactions by themselves. However, they tend to change in case the hacker gets overpowered.

However, there is one technique to protect against this threat would be to deal with the alerts that come from network nodes when they identify an invalid block, prompting the user's software to download the full block and alerted transactions to confirm the inconsistency. Venture's that get frequent payments will probably still want to run their nodes for more independent security and quicker verification.

Hardware Specifications

Innosilicon A9 ZMaster is a powerful equihash miner with a few times better hash rate & efficiency than any competition. Just like Innosiliocn recently announced world most efficient 17.2TH BTC T2 miner, this dedicated hardware has very low operating cost, high ROI and longevity. It has a small form factor, low noise, designed to help network decentralization with renewed energy and loyalty.

- **Hashrate:** 50ksol/s +/-6%
- **Power Consumption:** 620W +/-5% (normal mode, at the wall, with 93% efficiency PSU. 25°C temperature)
- **Chip Type:** A9 ZMaster ASIC
- **Dimensions:** 360 mm(L)*125mm(W)*155mm(H)
- **Net Weight:** 5.92KG
- **Ambient Temperature:** 0°C to 40°C
- **Network Connection:** Ethernet

PROJECTED REVENUES, PREMISED ON A $20,000,000 GROSS FUNDING IN THE 1ST PHASE OF AARNAV INC.

*AMOUNTS IN: MILLIONS

Particulars	2019-2020 Projected	2020-2021 Projected
1. Gross receipt		
(i)CRYPTOMINING {NOTE 1}	67.5360	96.7680
Total	**67.5360**	**96.7680**
2. Operating expenses		
(iii) Power {NOTE 2}	2.1456	7.5096
(iv) Salary	1.0600	2.7500
(v) Depreciation {NOTE 3(B)}	7.0000	15.7460
(vi) Sub Total (III to v)	**10.2056**	**26.0056**
3. General and administrative exp.	**1.3507**	**1.9393**
4.Sub Total (2+3)(Total Cost)	**11.5563**	**27.9449**
5. Earnings before Interest, TAX and amortization (EBITA) (1-4)	**55.9797**	**68.8231**
6. interest	0.0000	0.0000
7. Earning before Tax (EBT) (5-6)	**55.9797**	**68.8231**
8. Provision for taxes	14.3867	17.6875
9. Net Earning (7-8)	**41.5930**	**51.1356**
10. Dividend DISTRIBUTION	**31.1947**	**38.3517**
11. Dividend DISTRIBUTION of Net EARNING	**75%**	**75%**
12. Retained Earning	**10.3983**	**12.7839**
13. Retained Earning OF NET EARNING	**25%**	**25%**

AARNAV INC.

PROJECTED BALANCE SHEET

Amounts in : Millions

Particulars	2019-2020 Projected	2020-2021 Projected
1.CURRENT LIABILITIES		
Provision for taxation	14.3867	17.6875
TOTAL (A)	**14.3867**	**17.6875**
2. CAPITAL		
Crowdfunding	20.0000	20.0000
General Reserves	10.3983	23.1822
TOTAL (B)	**30.3983**	43.1822
TOTAL LIABILITIES (A+B)	**44.7850**	**60.8697**
3.CURRENT ASSETS		
Cash and bank balances	33.2390	47.5697
4.LAND AND BUILDING		
WAREHOUSE	4.5500	4.5500
TOTAL (C)	**37.7890**	**52.1197**
5.FIXED ASSETS		
Gross Block {note 3(A)}	13.9960	31.4960
LESS:TOTAL Depreciation	7.0000	22.7460
TOTAL (D)	**6.9960**	8.7500
TOTAL ASSETS (C+D)	**44.7850**	**60.8697**

AARNAV INC PROJECTED CASH FLOW STATEMENT		
PARTICULARS	2018-19	2019-20
BANK BALANCE AT THE START OF THE YEAR		33.2390
CASH COMING IN		
CROWDFUNDING	20.0000	
NET EARNING	41.5930	51.1356
NON-CASH EXEPENSES		
DEPRECIATION	7.0000	15.7460
PROVISION FOR TAX	14.3867	17.6875
Total (A)	82.9797	117.8081
CASH GOING OUT		
MINING EQUIPMENTS	13.9960	17.5000
CASH GOING OUT		
MINING EQUIPMENTS	13.9960	17.5000
TAX PAID		14.3867
WAREHOUSE	4.5500	
DIVIDEND PAID	31.1947	38.3517
TOTAL (B)	49.7407	70.2384
BANK BALANCE AT THE END OF THE YEAR (A-B)	33.2390	47.5697

AARNAV INC
ANALYSIS OF RATIO

Amounts in: Millions

Particulars	2019-2020 Projected	2020-2021 Projected
EARNING BEFORE INTEREST, TAX AND AMORTIZATION (EBITA)	55.9797	68.8231
CROWDFUNDING	20.0000	20.0000
GROSS PROFIT RATIO	279.89%	344.11%
NET EARNING	41.5930	51.1356
CROWDFUNDING	20.0000	20.0000
NET PROFIT RATIO	207.96%	255.67%
DIVIDEND DISTRIBUTED	31.1947	38.3517
CROWDFUNDING	20.0000	20.0000
RETURN ON INVESTMENT (ROI)	155.97%	191.75%

NOTE -1

CALCULATION OF GROSS PROFIT

PARTICULARS	A9 ZMASTER	A9 ZMASTER
	1ST YEAR 2019-20	IIND YEAR 2020-21
GROSS AVERAGE PROFIT PER DAY {ANNEXURE-1}	$46.90	$19.20
GROSS PROFIT PER YEAR PER MACHINE	46.90X360 =$16884.00	19.20X360 =$6912.00
GROSS PROFIT FOR 4000 MACHINES	16884.00 X 4000 =67.5360 million$	
GROSS PROFIT FOR 14000 MACHINES		6912.00 X 14000 =96.7680 million$

ANNEXURE-1

AARNAV INC

CALCULATION OF PROJECTED AVERAGE GROSS PROFIT PER DAY FROM A9 Z MASTER

2019-20	GROSS PROFIT PER DAY	% OF REDUCTION IN PROFIT QUARTERLY	REDUCTION IN PROFIT	PROFIT PER DAY FOR NEXT QUATER
1ST QUATER	$63.56	20%	$12.712	$50.84
2ND QUATER	$50.84	20%	$10.168	$40.67
3RD QUATER	$40.67	20%	$8.134	$32.54
4TH QUATER	$32.54	20%	$6.508	$26.03
TOTAL	$187.61			
AVERAGE PROFIT PER DAY	$187.61/4 =46.9025 Say 46.90			

2020-21	GROSS PROFIT PER DAY	% OF REDUCTION IN PROFIT QUARTERLY	REDUCTION IN PROFIT	PROFIT PER DAY FOR NEXT QUATER
1ST QUATER	$26.03	20%	$5.206	$20.82
2ND QUATER	$20.82	20%	$4.164	$16.66
3RD QUATER	$16.66	20%	$3.332	$13.33
4TH QUATER	$13.33	20%	$2.666	$10.66
TOTAL	$76.84			
AVERAGE PROFIT PER DAY	$76.84/4 =19.20 Say 19.20			

NOTE-2

CALCULATION OF ELECTRICITY COST

PARTICULARS	A9 ZMASTER	1st YEAR	2nd YEAR
COST OF ELECTRICITY PER MACHINE PER DAY	$1.49		
COST OF ELECTRICITY PER MACHINE PER YEAR	$1.49X360= $536.40		
TOTAL COST OF ELECTRICITY FOR 4000 MACHINES {NOTE 2}		$536.40X4000 = 2.1456 million$	
TOTAL COST OF ELECTRICITY FOR 14000 MACHINES {NOTE 2}			$536.40X14000 = 7.5096 million$

NOTE-3 (A) & (B)
CALCULATION OF COST OF MACHINES AND DEPRICIATION

PARTICULARS	1st Year		2nd Year	
PRICE {ANNEXURE-2}	$3499 Inclusive of PSU		$1750 Inclusive of PSU	
APPROXIMATE LIFE OF MACHINE	2 YEARS		2 YEARS	
DEPRECIATION PER MACHINE PURCHASED IN 1ST YEAR	1ST YEAR $1750	2ND YEAR $1749	1ST YEAR $875	2ND YEAR $875
COST OF 4000 MACHINES PURCHASED in 1st Year	$3499 X 4000 13.9960 Million$			
COST OF 10000 MACHINES PURCHASED in 2nd Year			$1750 X 10000 =17.5000 Million $	
TOTAL COST OF MACHINES (GROSS BLOCK) in 1ST Year	13.9960 Million$ {NOTE 3(A)}			
TOTAL COST OF MACHINES (GROSS BLOCK) in 2nd Year			13.9960 million$ + 17.5000 million$ =31.4960 million$ {NOTE 3(A)}	
TOTAL DEPRECIATION {NOTE 3(B)}	$1750 X 4000 7.0000million$		$1749X4000 =6.9960million$ $875X10000 =8.7500 million$ = 15.7460 million$	

ANNEXURE-2

CALCULATION OF PROJECTED COST OF MACHINE OF A9 Z MASTER

YEAR	APPROXIMATE COST PRICE OF MACHINE	REDUCTION IN PRICE OF MACHINE FOR NEXT YEAR	PROJECTED PRICE OF MACHINE AFTER REDUCTION
2019-20	$3499	50% Of Cost Price	$1750
2020-21	$1750	50%Of Cost Price	$ 875

Algorithms ROI / Hash Rate Calculations

Zcash (ZEC) Active

https://z.cash/

Algorithm:	Equihash
Block time:	2m 27s
Last block:	380,479
Bl. reward:	10.00
Bl. reward 24h:	10.00
Difficulty:	15,077,006.299
Difficulty 24h:	14,429,701.161
Difficulty 3 days:	13,937,477.584
Difficulty 7 days:	13,907,452.604
Nethash:	840.21 Mh/s
Ex. rate:	0.02060800 (HitBTC)
Ex. rate 24h:	0.02059814 (HitBTC)
Ex. rate 3 days:	0.02101179 (HitBTC)
Ex. rate 7 days:	0.02165586 (HitBTC)
Ex. volume 24h:	443.27 BTC
Market cap:	$636,331,248
Create 1 BTC in:	0.04 Days
Break even in:	96.61 Days

Hash rate: 200000000.0 h/s
Power: 2480000.0 W
Cost: 0.067 $/kWh
Block reward (Enable): 10.0 ZEC
Pool fee: 1.0 %
Hardware cost: 15000000.0 $
Difficulty (Enable): 14429701.161
Exchange rate (Enable): 0.02060800 BTC
BTC value (Enable): 6667.8 $

Reset | Calculate

Please note that calculations are based on mean values, therefore your final results may vary.

Estimated Rewards

Per	Pool Fee	Est. Rewards	Rev. BTC	Rev. $	Cost	Profit
Hour	0.487778	48.290029	0.995161	$6,635.53	$166.16	$6,469.37
Day	11.706674	1,158.960695	23.883862	$159,252.82	$3,987.84	$155,264.98
Week	81.946716	8,112.724867	167.187034	$1,114,769.71	$27,914.88	$1,086,854.83
Month	351.200211	34,768.820857	716.515860	$4,777,584.45	$119,635.20	$4,657,949.25
Year	4,272.935897	423,020.653757	8,717.609633	$58,127,277.51	$1,455,561.60	$56,671,715.91

A. It is projected that 25% retained net profits, of the first year, which is 10.3983 million$ and depreciation of 7million$ total amounting to 17.3983 million$ have been reinvested in mining equipment's in the second year.

B. The type of cryptocurrencies which will be mined in future will depend on profitability, difficulty level and the availability of the newly invented mining machines which can give high profitability per day besides keeping the cost of mining machines at reasonable price.

IMPORTANT NOTE: After analysing the projected data it is very much cleared that in the first and second year the dividend pay-outs have been shown as 155.97% and 191.75%

Respectively which are quite high after taking into consideration that it is properly regulated and in accordance with the exemption guidelines provided by the US Security Exchange Commission (SEC) it means our offerings provide higher returns with the highest safety as it is regulated by world's no. 1 security exchange commission. THIS UNIQUE IDEA OF NEVER-ENDING PROFIT-MAKING CONCEPT HAS BEEN DEVELOPED OUR YOUNG AND DYNAMIC CHIEF OPERATING OFFICER (COO) OF THE COMPANY MR. MANPREET SINGH AND PRACTICALLY HE IS ALREADING ACHIEVING THE ABOVE PROJECTIONS WITH THE SMALL INVESTMENTS IN THE COMPANY.

GOALS OF COMPANY

THE GOALS OF OUR COMPANY IS TO BECOME ONE OF THE BIGGEST CRYPTOMINING COMPANY IN THE WORLD DULY REGULATED BY THE US SECURITY EXCHANGE COMMISSION. TO ACHIEVE THAT GOAL OUR COMPANY HAS PLANNED TO RAISE 250 MILLION $ THROUGH STO TO ESTABLISH LARGE CRYPTOMINING WAREHOUSES AND TO AWARD OUR INVESTORS WITH HIGHEST DIVIDEND PAYOUTS AS WELL AS TO INCREASE THEIR WEALTH BY APPRECIATION IN THE VALUE OF SECURITY TOKEN THEY HOLD. AS CRYPTOMINING MACHINES/ EQUIPMENTS ARE BEING INVENTED VERY RAPIDLY TO INCREASE THE GROSS PROFIT OF A MACHINE / EQUIPMENT AT A VERY HIGH LEVEL BESIDES REDUCING THE ELECTRICITY CONSUMPTION COSTS. THERE ARE DIFFERENT MINING MACHINES/ EQUIPMENTS IN THE MARKET TO MINE DIFFERENT KINDS OF CRYPTOCURRENCIES. AT PRESENT, THE COMPANY HAS CHOSEN A9 ZMASTER MINING MACHINE WHICH MINES ZCASH WHICH IS HIGHLY PROFIT-MAKING MINING MACHINE WHILE CONSIDERING THE COST OF THE MACHINE. THEREFORE, THE COMPANY HAS PLANNED TO RAISE 20 MILLION $ IN THE FIRST PHASE TO INSTALL A9 ZMASTER MACHINE IN A LARGE-SCALE AS COMPANY IS ALREADY INSTALLED SOME A9 ZMASTER MACHINES FOR TRIAL PURPOSES AND RESULTS OF THE MACHINE ARE VERY HEARTNING. THE COMPANY WILL CONTINUE TO SEARCH SUCH TYPE OF HIGHLY PROFIT-MAKING MACHINES IN FUTURE ALSO AND FOR THAT PURPOSE THE COMPANY HAS PLANNED TO RAISE 250 MILLION $ TO AVAIL THE OPPURUNITIES LIKE THAT IN THE INITIAL STAGE.

ROAD MAP

Timeline

Our plan is to deploy mining equipment at one or more locations using funds contributed during the Aarnav's Crowdsale, which starts July 14, 2018 and continue for 180 days or until the Hard Cap is met, if sooner. If the Soft Cap is met, Aarnav will start mining within 3–5 months of the STO.

Intended Roadmap

ROADMAP Date of Crowd sale 14TH JULY 2018	
OCTOBER 2018 Buy and other due diligence for 1st mining facility and the 1st batch of mining equipment Innosilicon A9 ZMaster ordered for Freeport, New York Niagara Falls region.	Application Submission for (registering the securities with SEC under Regulation A+, Tier 2) in North America
NOVEMBER 2018 Buy and other due diligence for 2nd mining facility and the 2nd batch of equipment Innosilicon A9 ZMaster ordered for New York Niagara Falls region.	
DECEMBER 2018 1st mining equipment batch delivered, installed and operational	
JANUARY 2019 Buy and other due diligence for 3rd mining facility and the 3rd batch of equipment Innosilicon A9 ZMaster ordered for New York Niagara Falls region. 2nd mining equipment batch delivered, installed and operational	

MARCH 2019 Buy and other due diligence for 4th mining facility and the 4th batch of equipment Innosilicon A9 ZMaster ordered for New York Niagara Falls region 3rd mining equipment batch delivered, installed and operational	AARNAV (ARM) will proceed to be ARM1.0 BaaS (Blockchain as a Service) and will function as an asset dismemberment to construct mobile information application (B-wallet app)
APRIL 2019 We will now step in Chelan region of Washington, with the aim of establishing new mining technology being produced by Samsung ASIC chips, Intel and Bitmain Ethash ASIC miners along with at the time latest equipment's available (again using green energy i.e. hydropower as a source of Electricity)	FIRST Pay-out/dividend will Initiate to security token holders in the form of Fiat currency directly in "Bank Account Numbers" of Security Token holders provided with KYC or cryptocurrency wallet.
MAY 2019 Buy and other due diligence for 5th mining facility and the 5th batch of equipment Innosilicon A9 ZMaster ordered for New York Niagara Falls region 4th mining equipment batch delivered, installed and operational	Approval anticipated for registration of the securities with SEC under Regulation A+, Tier 2, the USA.
JUNE 2019 Buy and other due diligence for 6th mining facility and the 6th batch of equipment ordered for Chelan region in Washington.	Moving to the next step, the ARM will set its foot into improving the liquidity of physical assets by evolving as a financial exchange platform which will be ARM 2.0

JULY 2019 Buy and other due diligence for 7th mining facility and the 7th batch of equipment ordered for Chelan region in Washington. 5th mining equipment batch delivered, installed and operational	Second Pay-out/dividend will Initiate to security token holders in the form of Fiat currency directly in "Bank Account Numbers" of Security Token holders provided with KYC or cryptocurrency wallet
AUGUST 2019 Buy and other due diligence for 8th mining facility and the 8th batch of equipment ordered for Chelan region in Washington. 6th mining equipment batch delivered, installed and operational	
SEPTEMBER 2019 Buy and other due diligence for 9th mining facility and the 9th batch of equipment ordered for Chelan region in Washington. 7th mining equipment batch delivered, installed and operational	
OCTOBER 2019 Buy and other due diligence for 10th mining facility and the 10th batch of equipment ordered for Chelan region in Washington. 8th mining equipment batch delivered, installed and operational	Third Pay-out/dividend will Initiate to security token holders in the form of Fiat currency directly in "Bank Account Numbers" of Security Token holders provided with KYC or cryptocurrency wallet

OUR TEAM

Our Team

The Aarnav Management Team, with the advice of the distinguished members of our Advisory Board, will be constantly managing operations and monitoring markets to ensure maximum mining efficiency and output distribution.

Gurpreet Kaur

Chief Executive Officer

Gurpreet is a results-oriented leader with a strong track record of delivering in high-paced organizations. She is recognized by peers for her keen analysis, strategic insights and a team-centric approach to drive organizational growth. Gurpreet has executive experience in the supply chain, logistics and restaurants sectors, having held the positions of CFO of Sam Sikka Enterprises and CEO of Bolero fine dining restaurant in New Zealand.

Gurpreet also brings a diverse skillset from her rich experiences in real estate development and Forex at IG Australia, including negotiating acquisitions, dispositions, and capital expenditures and performing due diligence, as well as developing and delivering real estate strategies and transaction services at over 300 locations in 11 US States. With exceptional interpersonal skills, she is capable of resolving various challenges spanning the organization – including financial, operational, sales, human resources, and legal issues.

Gurpreet is a Bitcoin enthusiast and a woman in Blockchain advocate. She has mined Bitcoin since 2016 and is passionate about building a company that allows investors to benefit from the growth of this innovative technology.

Since the very beginning, Gurpreet's vision for AARNAV has been to steer the company locally in the USA. Under the leadership of Gurpreet, AARNAV will launch as a fully SEC-compliant Security Token on the Ethereum network, leveraging smart contracts to ensure the ARN token complies with all characteristics of the SECs Regulation D section 506c exemption.

As Director and Chief Executive Officer of Aarnav Inc, Gurpreet takes pride in what she has achieved and has set her sights on taking this venture to a billion-dollar valuation.

Manpreet Singh

Chief Operating Officer

Manpreet Singh is an entrepreneur committed to the development of tech innovation in various algorithms in mining crypto and has done business across national borders, regulatory environments, and cultures.

He is currently Director and chief operating officer of Aarnav. He has managed both local and international teams, helped implement large-scale IT projects, and fine-tuned IT-related processes. He has helped companies, educational institutions, and non-profit organizations raise funds and develop and communicate their brand, mission, and message more effectively.

Manpreet is passionate about blockchain technology and currently advises Aarnav on blockchain strategy and investments.

A blockchain evangelist, aspiring to develop a top-class investment solution for the crypto world through years of experience, investments and Dealing with private organizations, governments, and multilateral organizations on five continents.

Manpreet's experience is rooted in wealth creation, brings significant 16 years' experience in IT Management, IT Operations, and IT Project Management working for some of globally renowned largest retail, manufacturing, and IT companies, banking, trading FX, CFDs, Stocks, bonds, innovative technology with companies such as IG, Oanda FX Trade, Verizon, Common Wealth Bank of Australia, Bank of Melbourne and ASB Bank and real estate industry.

He acquired a broad range of experience in executive leadership positions in sales, business development, and marketing in New Zealand, Australia, India, and the USA.

Anil Kumar Aggarwal

(Chartered Accountant, Adviser, Cost Accountant, Financial Controller)

Anil Kumar Aggarwal is a practising Chartered Accountant in India. He is also having a professional degree of Cost Accountancy. He has 28 years of experience in accountancy, corporate laws, taxation, auditing, Income Tax and matters related to financial consultations. He is also having experience of Takeovers, Mergers and Acquisitions of companies.

He has also been a Core Director in a private limited company which is having a membership of National Stock Exchange of India i.e., NSE. He has deep Knowledge and long experience in Equity Primary and Secondary Markets. Anil has outstanding aptitude to managing financials, budgetary controls and reporting. Skilled in effective leadership to coordinate work to complete financials on a timely basis, to cross train and develop personnel by encouraging innovative concepts and ideas.

Anil is involved from the beginning to polish AARNAV (ARM TOKEN) in such a way that not only its safeguarding pubic interest but at the same making ARM thrive in a cross-functional environment and making ARM to be a long-lasting opportunity for the future to come. He is one of the very few Chartered Accountants who is having knowledge of Initial Coin Offering (ICO) and Security Token Offerings (STO) which pertain to latest technology i.e., Block Chain. He has Comprehensive Knowledge of legal aspects related to ICO and STO which is very important for the safeguard of the company from any legal matters.

Richard Gora

Legal advisor

With over 10 years of experience in business, corporate, securities, management, litigation, employment and intellectual property, Rich has advised clients on massive deals all over the world and in massive litigations throughout the United States. Rich also has a growing start-up practice where he's advised hundreds of start-ups and early stage companies.

Gora LLC comes up with results that are actually implementable.

Before founding Gora LLC in late 2014, Rich Gora was an attorney for over 8 years at Finn Dixon & Herling LLP. He has advised high-profile clients, including a founder of Google Energy, a member of the Rockefeller family, a Spotify executive, a Bitcoin pioneer, and the former CFO of Lehman Brothers. He advises clients all across the world, including the UAE, UK, Australia, Germany, Norway, Poland, Hong Kong and Vietnam.

Sanjay Goyal

Director and Vice President / Chairman Executive committee

Dr.Sanjay Goyal have been in medical practice since 1995 in New York. Specialized in Endocrinology, Diabetes and Metabolism.

At the same has been involved with number of investments including Partner of High-end restaurant since 2008. Mint Garden City is one of the best restaurants in Garden City, offering a fresh taste in Indo-Asian cuisine. With a great culinary team and an incredibly versatile menu.

President of non-profit tax-exempt 501c foundation http://www.omfoundation.net.

Om Foundation was started in April 2010 with a mission of providing charity medical clinics in Central America. Doing free diabetes clinics three times a year in rural areas of Guatemala. Providing free consolation and medication to approximately to 500-600 patient in each visit to Guatemala. Medical director Forest view Adult day care centre 8 years focused on a common goal - the happiness and well-being of each and every one of clientele. at Forest View, he treated everyone as family, with the same love, care and compassion.

Very actively involved in AAPI https://www.aapiusa.org

Founded in 1982, the American Association of Physicians of Indian Origin represents a conglomeration of more than 80,000 practicing physicians in the United States.

In addition, it also serves as a platform for more than 40,000 medical students, residents and fellows of Indian origin in this country. The AAPI YPS/MSRF (Young Physicians Section/Medical Students' and Residents' Forum) runs under the main AAPI umbrella to give representation to them. 1 in every 7 people in the USA is touched by the care of a physician of Indian origin at any given time.

AAPI also has a charitable foundation – AAPI-CF – that spearheads free clinics and health fairs in India. To date, more than 19 such clinics are being actively run in various states of India under the AAPI flagship.

Every year, this mammoth cohort of physicians and physicians-to-be get together in a grand extravaganza – The Annual AAPI Convention – a beautiful blend of professional programs with cutting-edge CME along with a dash of color in the form of social events and exhibits featuring esteemed invitees from the United States and India.

Dr. Sanjay has been a consulting speaker for:

- Sanofi Aventis
- AstraZeneca
- BI – Lilly
- Takeda

Aarnav Inc. as Director and Chairman of Executive committee.

A serial entrepreneur. Dr. Sanjay brings overall visual and management Experience over see every opportunity gained and utilized for a profitable and balanced manner.

His advice is crucial and is based on practicality in current market conditions.

A key person for negotiations Dr. Sanjay believes in teamwork and for him work is his religion. His business strategies and leadership skills have been the driving force in the explosive growth of the firm by helping both clients and fellow advisers. Perseverance, commitment, and loyalty are the core elements that define him.

His compassionate heart, business acumen and generosity have been the keys to his success.

Jack Liao

Chief Technology Advisor

Jack Liao, 42, was educated in China and is the CEO of Lightning ASIC, a Hong Kong maker of specialty cryptocurrency mining equipment for Bitcoin and other coins. Jack has been investing in Bitcoin since 2013, and has been an angel investor in a variety companies in the space, including mining hardware and software, wallet hardware and software, cryptocurrency ATM systems, exchanges, and transaction services. Jack sponsored BitcoinNewyork.org; is one of the six core Bitcoin Gold team members and is a Founder of Bitcoin Gold. He presents to Bitcoin enthusiasts and Bitcoin-related enterprises around the world.

He will assist Aarnav from development of Blockchain as per SEC requirements including inserting smart contract, KYC and verifications into the ARM Tokens. As well as manufacturing and production of ASIC for Aarnav with regards to Equihash algorithms exclusive to Aarnav.

Magdalena Gronowska

Strategic Advisor

With nearly 10 years of strategic advice and project planning experience leading complex $million and $billion public sector projects, Magdalena brings business strategy acumen and government expertise to Aarnav.

Magdalena has designed and launched multi-$million initiatives to help businesses start up, scale and compete globally. She has a comprehensive understanding of the challenges businesses face – from start-ups to scale ups to multinationals – and has proactively worked with the business sector to solve access to capital issues and competitiveness challenges.

Having led a number of $million and $billion public sector projects in the electricity and cleantech sectors, she excels at bridging private and public sector interests to successfully implement complex, multi-stakeholder projects. Magdalena has helped crypto and blockchain companies grow – from launching a $29M pre-commercialization fund in government, to consulting for crypto start-ups.

Magdalena brings nearly 10 years of experience advising at the highest levels of Canadian State-level government on business growth, electricity policy, and innovative technologies. She has a strong understanding of how government works and a wealth of government expertise navigating challenging regulatory environments.

Laksha Pandian

Technology Officer

This is Laksha Pandian, having experience in handling block-chain and Crypto projects. I have been working in Crypto Industry for past one year and handled lot of ICO, Exchange Projects, Own coin development, Listing coins with exchanges.

I am guiding the clients in creating the coins/tokens in blockchain and bringing it in live. My role where is offering the solutions in creating the good-looking landing page website, investor dashboard and coin admin dashboard. To guide clients on fixing tokens and token allocation. I share the detailed study on how the tokens will be allotted to different areas. To bring security things in the web by introducing SSL with the server. To work with Marketing team and to enhance the Sales of the Tokens/Coins. Working with ERC20 tokens, Own coins (Bitcoin, lite coin, Monero).

Having experience in exchange development project management. Centralized, Decentralized and Control exchange development management. Prepared the list of coins needed for the exchange.

Having experience on talking with different exchanges on listing. Clients created the coins/tokens but they may face struggles in listing out the coins with the exchanges so I worked as a mediator between exchange and clients to get the coin listed in different exchanges.

I had experience in Web and Mobile app development for 6.5 years. I have contributed different roles in Project Management, Business development, Team Management, Client Relationship

Key Skills

Account Management:

- Key Account Management

- P&L Responsibility of the major accounts in the region

- Account Mapping, client relationship management to upsell, cross sell

- Managing end to end sales (farming)

- Focus on account margin, timely delivery, delivery excellence processes

- Partnership Management/Channel Management

Other Roles

• Customer Relationship Management

• Product Management

- Marketing Activities

- Client Support

Had the experience of working in different ranges of web and mobile Projects. Projects values are ranging from $1K to $1 Million. I have the special skill of getting recurring business from clients by offering good customer services and values. I respect clients a lot and always offering very good services to make them happy. I always treat them as business partners not by a client. Had the experience in working with different clients around the globe. I have done my Bachelor of Engineering in Computer Science and Engineering in Anna University Affiliated College Chennai. I have done my MBA in Human Resource and Marketing in Anna University Affiliated College Chennai.

Charnvir Dhami

CTO

My name is Charnvir Dhami and I am the Chief Technology Officer at Aarnav inc. At Aarnav, we want everything to go as smooth as possible with minimal mistakes. As CTO, I will be overlooking the technological aspect of the company. From the simplest of tasks to the some of the most difficult, I will oversee most. I will be working with the COO as well as the CEO. In order for continued growth for the company, I will be executing new growth plans through the use of technological resources as well as direct the company's strategic direction, development and future growth. My goal is to take this company to bigger and better heights. In order for progression, I must incorporate my skills and abilities. For example, I possess the ability to actively communicate, inspire and motivate all levels of staff. This will be encouraged as we look forward to grow and expand the company to a whole new level. Also, as CTO, I understand how to think, act, plan strategically and proactively as we continue to grow. Lastly, I have strong writing and presentation skills. Ultimately, these abilities will contribute in providing leadership and doing my job to the best of my ability.

As I am currently majoring in business, I would be able to bring my experience in the business field to Aarnav. The primary job that I will possess as CTO is to make sure the company's technology strategy serves its business strategy. I also have retained experience in technology from having dealt with the cell phone business for the past two years. Having my experience in technology will also be of my benefit since business knowledge is necessary to align technology-related decisions with the organization's goals. Since Aarnav is a Blockchain Based project looking to invest in cryptocurrency mining, as Chief Technology Officer, I will be overlooking the mining end. I will be making sure everything runs smoothly as we identify competitive advantages and technological trends for the benefit of the company.

Pulkit Gulati

Senior IT Analyst

Dedicated IT Professional with 8+ experience in web development technologies with .Net framework. I strive to create efficient solutions and connect different environments in the technical eco-system to drive Business growth.

Senior It Analyst, Egon Zehnder, Gurgaon, Haryana — 2014 - Present

Working as an Individual contributor and full-stack developer in a team environment. Lead multiple Projects successfully adhering to timelines and deliver quality. Learn new technologies quickly with a Proof-of-concept to help the Business Operations. Managing Asp.Net web Projects, Classic ASP, WCF Services, WPF with XAML for Desktop, Dev Ops with TFS 2015, MS SQL Server back-end, IIS Server Deployment and Management. Troubleshooting Applications and Infrastructure for issues management.

Senior software engineer, optum (uhg), noida, u.p. — 2012-2014

Worked as Individual Contributor handling multiple ASP.Net Web Forms Projects and MS SQL Server Back-end. SharePoint Websites management using SharePoint Designer.

Aryan Nava

Business Development Partner in Canada

As the Founder of Blockchain Mind Inc., Aryan is a true IT entrepreneur with experience of Hardware and Software development and training. He brings over 18 years of experience working in the fintech, energy and heath sectors for corporations like Blockchain Mind, Toronto Stock Exchange, Canadian Depository for Securities, TSX Venture, TSX Trust, Economical Insurance, Extendicare, Direct Energy and E-Health Ontario. Aryan has been involved in Blockchain technology since 2016 while working with Ethereum Co-Founder Anthony Diorio at TSX.

He has led Blockchain Mind Inc in the successful development of a hardware wallet prototype and which was backed by Venture Capitalist funding to go mainstream. Aryan and his Team has developed an ICO platform for fund raising (key features include Buy Tokens, Dashboard, AI powered KYC verification, User Management, White Paper, ICO website development, Tokenomics and Smarts Contracts) for several companies. Blockchain Mind has successfully developed a AML/KYC automated process for a leading crypto exchange, providing network/security/auditing services to host smart contracts, code audits and monitoring to ensure that ICO services run smoothly. Aryan has conducted training for over 100 Executives and Managers of large corporations on Blockchain technology. He is also involved in developing a decentralized crypto exchange (www.linkcoin.pro) and helped raise over $10 Million for Initial Coin Offerings. He also holds the position of Chief Technology Officer for EzExchange (www.ezexchange.com).

KYC and Security

To comply with worldwide Anti-Money-Laundering (AML) rules, we need to know who is contributing funds to Aarnav. Therefore, a "Know-Your-Customer" (KYC) procedure will be carried out before any ARM TOKENS are issued. The primary objective of token sale registration is to enforce a mandatory Know-Your-Customer check to prevent identity theft, terrorist financing, money laundering, and financial fraud. It also allows our team to understand our Token Holders better and manage risks prudently.

We take social responsibility very seriously, thus, we believe that it is important to play our part in combating money laundering and terrorism financing. That is why we have benchmarked ourselves to the same KYC standards typically adopted by banks and financial institutions globally.

The due diligence process includes screening against international sanctions/terrorist lists, politically exposed persons, and people with adverse reputations. Risk assessment and onboarding outcome will be performed and determined through the use of proprietary software.

The KYC process is comprised of two parts, in the following order:

Automated

Your details, as provided by you, will be checked against public sanctions and alert lists. This step will be performed by a third-party KYC solution.

Manual

If the automated step is successful, we will manually verify that the information provided matches the identification document photos submitted by you.

Privacy and Security of the KYC Procedure

Privacy and security are our top priority. As such, please find below the measures that will be employed to ensure your privacy and security. We want your account and personal data to stay secure. So, we strongly encourage you to adhere to the following recommendations:

1. Only an encrypted version of your data is stored in our public servers.
2. Email addresses will not be stored in our public servers; instead, only a hash of each email will be stored in those servers.
3. Your data is not retrievable even if the password is compromised. Your password does not give you access to your data, but rather only enables you to re-submit your data if, and only if, requested by the Aarnav Team.
4. All data collected during the manual KYC will be only and exclusively stored on our company computers, as the entire process will be performed in our offices. An online computer dedicated solely to this task will be acquired and all information will be permanently erased after the checks are completed. Once the process is finished, data will be encrypted and stored privately for potential future audit requests from authorities.

Data Security Precautions

We want your account and personal data to stay secure. So, we strongly encourage you to adhere to the following recommendations:

1. Never send your Bitcoin or ETH to any address during the registration process. There is only ONE public token sale date and it is specified on our website: http://aarnav.io
2. Bookmark the registration page and never visit the registration site following any email links.
3. Never trust emails related to the particular sale details (such as the Hard Cap, Ethereum address to send to, etc.). Remember that a sender's email address can easily be forged.
4. Never reply to our emails. Perform all your operations on our website only. You can check your registration status on our website using your account.
5. All data collected during the manual KYC will be only and exclusively stored on our company computers, as the entire process will be performed in our offices. An online computer dedicated solely to this task will be acquired and all information will be permanently erased after the checks are completed. Once the process is finished, data will be encrypted and stored privately for potential future audit requests from authorities.

Data security Precautions

To maintain the safety of your account, we need to adhere to the following rules.

1. Do not ever send Ethereum to any address when the registration process is ongoing. The only trusted and happening public token sale date will be mentioned on the website of Aarnav.
2. Keep the site bookmarked in advance and do not visit it when directed from your mail.
3. In case you receive an email from an untrusted site leading you to another unauthorized link do not, in any case, try to open it.
4. Never reply our emails and keep all your activities connected to the website only.

Risk Management

Please do not forget that taking part in cryptocurrency mining or investment does not guarantee a fixed or even a good figure of the amount. A proficient crypto mining depends solely on factors that are completely not under control most of which are listed below.

1. Computing infrastructure

Aarnav's dependence on its computer's infrastructure carries its scale of risk. But still, Aarnav is prepared to face it with a varied number of systems set at different locations to avoid loss or mishap.

2. Shortcomings of smart contracts

Though this engineering is in the early stages of product life cycle, it has only minor flaws that can be mitigated with ease. As mentioned above, only a few issues from the external factors or unexpected financial risks can occur.

3. Volatile price ranges

While there were a good number of coins doing well in the market during the earlier days, the token holders of that crypto still face loss due to fluctuating fiat values.

4. Rewards for mining

Soaring rates of electricity, mining equipment's cost, and other factors like mining difficulty, transaction fee volume, affect the profitability of mining and may result in losses or at least lesser rate of profit.

5. Risk in delivery

The delivery of equipment's, parts, facilities may be delayed due to clogging in the pipeline. Though best efforts are taken to keep in check all the unforeseen issues, there are chances of the delivery vendors failing to supply on time.

Jurisdiction and participating restrictions

This white paper does not enclose an offer or influence the people of a locality to buy sell or invest in our Aarnav tokens or coins which may be considered unlawful. The Swiss FINMA, The Securities and Commodities Authority of the United Arab Emirates or any foreign regulatory authority have not agreed to the investment in any tokens. AARNAV (ARM) securities are subject to certain restrictions under the securities law in U.S. Jurisdiction. AARNAV is compliant with these rules and restricts access for US-citizens, "green card" holders, and residents of the US to the category of "accredited investors, "under the US Security Act Regulation D Rule 506 (c).

Glossary

Blockchain

The classification of technology that Ethereum falls in. Blockchains are distributed ledgers, secured by cryptography. They are essentially public databases that everyone can access and read, but the data owners can only update the data. Instead of the data residing on a single centralized server, the data is copied across thousands and thousands of computers worldwide.

Node

A computer that possesses a copy of the blockchain and is working to maintain it.

Mining

The process of trying to 'solve' the next block. It requires obscene amounts of computer processing power to do effectively but is rewarded with ether.

Mining Rig

A computer specially designed for processing proof-of-work blockchains, like Ethereum. They often consist of multiple high-end graphics processors (GPUs) to maximize their processing power.

Fork

A situation where a blockchain splits into two separate chains. Forks happen in the crypto-world when new 'governance rules' are built into the blockchain's code.

PoW - Proof-of-work.

The current consensus algorithm used by Ethereum.

PoS - Proof-of-stake

The proposed future consensus algorithm to be used by Ethereum. Instead of mining in its current form, people that own ETH will be able to 'lock up' their ether for a short amount of time to 'vote' and generate network consensus. The plan is that these stakeholders will be rewarded with ETH by doing so.

Shading

A scaling solution for blockchains. Typically, every node in a blockchain network houses a complete copy of the blockchain. Shading is a method that allows nodes to have partial copies of the complete blockchain to increase overall network performance and consensus speeds.

Software wallet

Storage for crypto-currency that exists purely as software files on a computer. Software wallets can be generated for free from a variety of sources. My Ether Wallet (MEW) is one of the popular. (more on MEW below)

Hardware wallet

A device that can securely store crypto-currency. Hardware wallets are often regarded as the most secure way to hold crypto-currency.

Ledger Nano S / Trezor

Two of the most popular hardware wallet models.

Currently, ARM coin is not compatible with any hardware wallet.

Cold storage

The process of moving cryptocurrency 'offline', as a way of safekeeping your cryptocurrency from hacking. There are a variety of ways to do this, but some methods most commonly used are - Printing out the QR code of a software wallet and storing it somewhere safe, such as a safety deposit box. Moving the files of a software wallet onto a USB drive and storing it somewhere safe.

Accredited Investors

Under the federal securities laws, a company that offers or sells its securities must register the securities with the SEC or find an exemption from the registration requirements. The federal securities laws provide companies with a number of exemptions. For some of the exemptions, such as Rule 506 of Regulation D, a company may sell its securities to what are known as *accredited investors*. The term accredited investor is defined in Rule 501 of Regulation D.
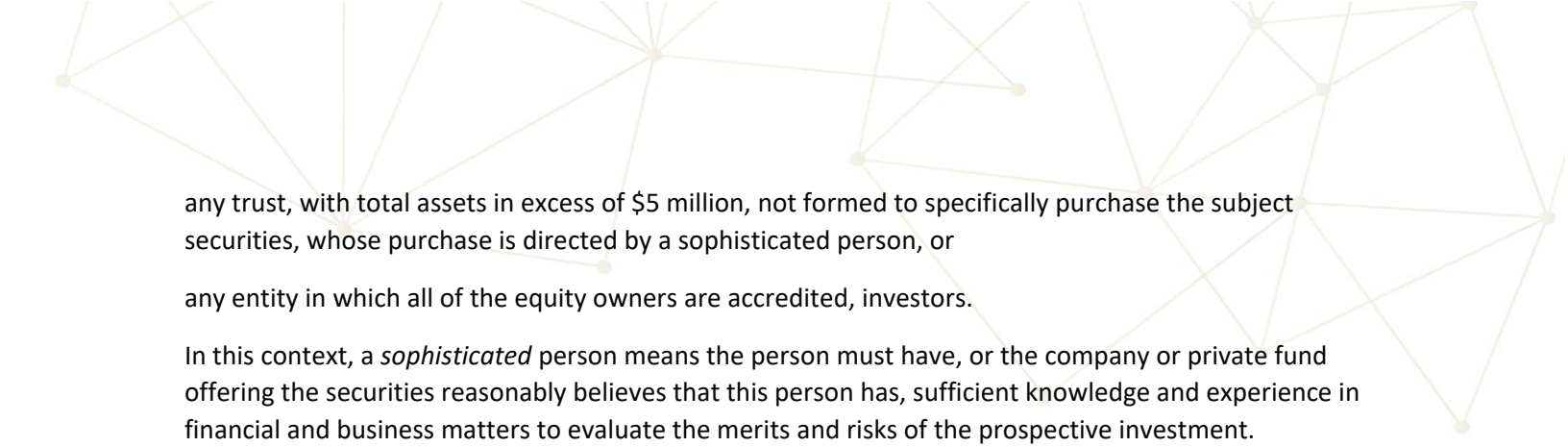
An *accredited investor*, as per SEC USA, in the context of a natural person, includes anyone who: earned income that exceeded $200,000 (or $300,000 together with a spouse) in each of the prior two years, and reasonably expects the same for the current year,

OR

has a net worth over $1 million, either alone or together with a spouse (excluding the value of the person's primary residence).

On the income test, the person must satisfy the thresholds for the three years consistently either alone or with a spouse, and cannot, for example, satisfy one year based on individual income and the next two years based on joint income with a spouse. The only exception is if a person is married within this period, in which case the person may satisfy the threshold on the basis of joint income for the years during which the person was married and on the basis of individual income for the other years.

In addition, entities such as banks, partnerships, corporations, nonprofits and trusts may be accredited, investors. Of the entities that would be considered accredited investors and depending on your circumstances, the following may be relevant to you:

any trust, with total assets in excess of $5 million, not formed to specifically purchase the subject securities, whose purchase is directed by a sophisticated person, or

any entity in which all of the equity owners are accredited, investors.

In this context, a *sophisticated* person means the person must have, or the company or private fund offering the securities reasonably believes that this person has, sufficient knowledge and experience in financial and business matters to evaluate the merits and risks of the prospective investment.

Conclusion

We have come up with a method for electronic transactions with no dependence on trust. We initiated with the traditional substructure of coins created out of e-signature, which gives a complete right of possession, yet is incomplete without a technique that stops double spending. To keep this issue at bay, we suggest a peer-to-peer network that uses proof-of-work to track the history of public transactions which will not even be close to hacking or manipulation by an intruder if reliable nodes take charge of the majority of CPU power.

The network is powerfully built without a formal structure or proper organization. The nodes have less or almost no coordination among them and have no requirement for identification as the messages are intended to reach on a best effort basis. The nodes that verify the transactions can stay or leave the given network at their will agreeing with the proof-of-work chain as authentication to what occurred in their absence. The voting happens with the CPU power in which, denying working on a block signals nonacceptance and working on extending them signifies acceptance. The necessary guidelines and inducement can be brought in with this agreement mechanism.