

MegaToken

Whitepaper

V 1.20

▲ Overview

▲ Abstract

Aiming to provide everyone with equal access, less partiality, and greater profitability, MegaToken, with the ticker symbol of HPW for Hash Per Watt, has initiated the tokenization of the electrical and mining capacity of cryptocurrency mining farms. Each token will equate to 1 watt of low-cost electricity from the capacity of cryptocurrency mining farms, and is inclusive of all costs related to maintenance, human resources, overheads, and system and equipment upgrade. With its comprehensive knowledge in cryptocurrency mining, TGA CO. LTD¹, the owner and custodian of this token, began its operations after carefully studying and selecting Asian countries which provide electricity at a low cost, but also have the potential to generate green energy. This was to ensure sustainability, prosperity, and sustainable development, as well as commitment to reducing the environmental impact of cryptocurrency mining, and eliminating geographical inequalities to make the industry more profitable. Through utilizing smart contracts, decentralized schemes, and the latest equipment, assets, and knowledge, MegaToken has provided everyone with the possibility of decentralized participation and collaboration in the world of cryptocurrency mining.

1- LONDON, ENGLAND - Company number: 11182361

▲ Introduction

The industry of cryptocurrency mining has always been profitable, and fluctuations in the market prices can also be highly attractive. This makes the shifting movements of miners an important stimulus for changes in the market price index. The extensiveness of the cryptocurrency market along with the variety of ways to generate an income in it has always attracted the masses. Trading, holding, mining, lending, and providing liquidity are only a few money-making means in this attractive industry. Cryptocurrency mining has continuously been considered as a low-risk, high-demand activity within cryptocurrency investment. Factors such as knowledge, productivity, equipment, technology, repair and maintenance, geographical conditions and energy prices have a direct impact on the profitability of this industry, and have, in turn, transformed this industry into a highly technical one. Such factors have, simultaneously, significantly reduced the profitability of individual investors in this market, and increased the Return On Investment and productivity of cryptocurrency mining farms. In accordance with these facts, and with the support of their assets and fundings, TGA CO. LTD has embarked on a journey to achieve the highest possible gains from this industry.

For its rich geographical potential in renewable energy production, cheap electricity, low labor costs, lenient laws, and governmental support for the industry, Iran was subsequently selected as the first country to implement the project. In that regard, Tapco Blockchain City² was chosen as the executive branch of TGA CO. LTD in Iran.

Tapco Blockchain City³ is located in the heart of Iran's Central Plateau, in the cold geographical region of Esfahan province, within the boundaries of the county of Fereydan and the city of Daran. Tapco Blockchain City stretches over an area of 78,000 square meters and is under construction and development with a current physical progress of 60%. The electrical capacity of the City is 100 MW. The operation and mining permits are attached to this document. Tapco Blockchain City uses the latest technology and equipment to mine cryptocurrencies, and is located at an optimal geographical location, which greatly reduces the costs of repair

2- <https://tapco-blockchain.com/>

3- <https://goo.gl/maps/78rEjFc5KceU6Xch9>

and maintenance, as well as cooling, which can have a significant impact on profitability.

Utilizing the above mentioned capacities and infrastructure, MegaToken will deploy its mining devices in Tapco Blockchain City, establishing one of the largest and most advanced cryptocurrency mining farms in the region, supported by physical assets (i.e. miners and equipment), intellectual property (i.e. knowledge and technology), and the desired infrastructure.

According to Bloomberg⁴, electricity in Iran costs only 3% of that in European countries. Also, according to GlobalPetrolPrices⁵, in 2021, Iran had the second cheapest rate for electricity in the world. Iran also encompasses one of the richest geographical regions in terms of renewable energy production in the world⁶.

Considering the above, Iran has been selected as the first target country by TGA CO. LTD for the execution of the project, scheduling and implementation of its phases, and its final operations which are underway and in development.

4- <https://www.bloomberg.com/news/articles/2021-09-16/iran-electricity-at-3-of-european-price-shows-sanctions-buffer>

5- https://www.globalpetrolprices.com/Iran/electricity_prices/

6- <https://www.sciencedirect.com/science/article/abs/pii/S1364032113004607>

▲ **Challenges**

The challenges in the cryptocurrency mining industry are generally categorized as follows:

- Planning, maintenance and technical repairs of equipment
- Need for advanced knowledge and technology to mine cryptocurrencies
- High costs of equipment
- High costs of system upgrades
- Unpredictable profit margins
- Providing security for equipment
- High costs of the consumed energy
- High number of scams within the cloud mining industry
- Unavailability of sales capacities of key companies during times of high profitability in cryptocurrency mining
- Expiration of mining packages offered by companies providing cloud mining capacity
- Environmental damages
- Users' dependence on mining one specific cryptocurrency and their inability to change the mining algorithm

▲ **Solutions**

- Utilizing low-cost electricity and manpower
 - Utilizing platforms supported by physical assets and state-of-the-art equipment and technology
 - Utilizing green and renewable electricity
 - Utilizing various smart contracts
-

▲ **What is MegaToken?**

MegaToken was developed in order to respond to the above challenges, aiming to provide the general public with easy access to cryptocurrency mining. Through MegaToken, anyone can gain lifelong ownership of a certain capacity of the available electricity, and have access to the support, maintenance and upgrading of equipment necessary to mine cryptocurrencies, all through green energy solutions.

▲ **Purpose**

Utilizing the surplus green electricity, state-of-the-art equipment, the latest of blockchain technology, and decentralized mining for public benefit in order to promote justice, equality and sustainable development in the industry.

In addition, transparent profitability will be achieved through blockchain technology using smart contracts, decentralized schemes, and elimination of intermediaries. Through long-, medium- and short-term planning, MegaToken will pave the way for the general public, and will gradually increase its mining capacity.

Values

Justice, equality, sustainability, and prosperity for the public

Vision

Becoming one of the largest green cryptocurrency mining farms in the world

Mission

Utilizing low-cost and green electricity, state-of-the-art technology and equipment, and various smart contracts in order to preserve the environment and promote sustainable development

Strategy

Perpetual tokenization of the capacity of cryptocurrency mining farms using smart contracts and decentralized schemes as opposed to employing expiring cloud mining packages to mine the Bitcoin



▲ **MegaToken Business partner licenses and permits**

All business partners' licenses and permits, including their mining licenses, electrical capacity permits, and annual mining capacity are attached to this document.

▲ **About MegaToken**

MegaToken, with the ticker symbol of HPW for Hash Per Watt, is equivalent to 1 watt of low-cost electricity from the capacity of cryptocurrency mining farms. It will be backed by physical assets (i.e. electricity and miners), and will include all costs related to maintenance, human resources, overheads, and system and equipment upgrade. Tapco Blockchain City has been selected as the first trading partner of MegaToken in Iran, which itself is the first target country where energy costs comparatively little, and is one of the richest countries in the world in terms of potential for green energy production. According to reports by ICARDA and GEOAGRO, within the industry, cold weather is one of the most influential factors in⁷ choosing the location of cryptocurrency mining farms, and the location of Tapco Blockchain City is optimal in that regard. Moreover, The City enjoys the latest technology in cooling systems for cryptocurrency mining farms, as well as the most technologically-advanced of mining devices. Through locking mined tokens and their equivalent capacity in smart contracts, users are able to withdraw their bitcoins, for which the mining reward will be deposited into their accounts on a daily basis.

7-http://geoagro.icarda.org/downloads/publications/reports/ACZ_Map_Iran_explanatory%20notes.pdf

▲ **Token information**

- 100 million tokens (100 MW of electricity) built on the Tron network for private sales.

- Reviewing, evaluating and reporting smart staking contracts by Solidity Finance

- the blockchain changed for public saling and 100 million tokens built on the BSC blockchain.

<https://solidity.finance/audits/MegaTokenStaking/>

- Compatible with the Metamask wallet.

- Dedicated dashboard

<https://dashboard.MegaToken.net/>

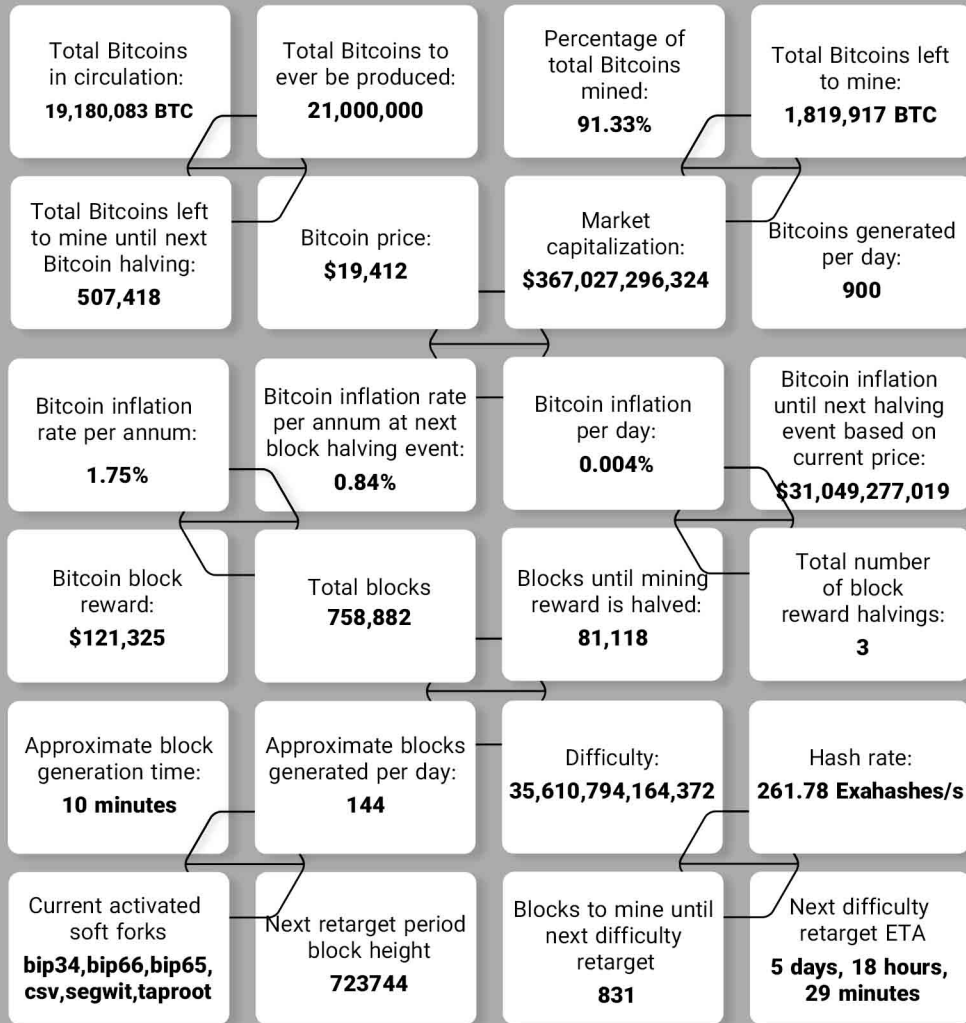


▲ **Financial model**

The mining industry has consistently been a profitable one, but has also been very fluctuant. These large fluctuations can make it very complicated to prdict and estimate the price, costs of mining, and rate of Return On Invesment, among others. In the present model, factors such as the current price of Bitcoin (February 10, 2022), and network difficulty are considered as criterions for evaluating the financial model. What is, therefore, clear and supported by experience is that the cryptocurrency mining industry is low-risk, and highly profitable in a medium- to long-term plan.

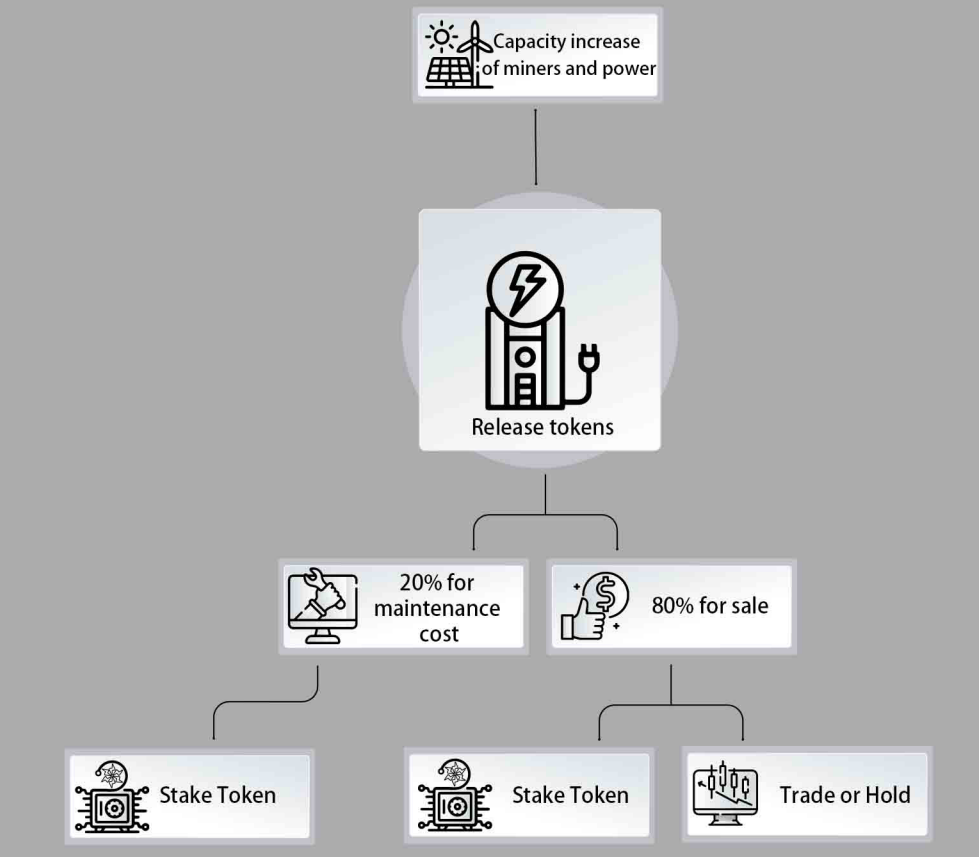
▲ Preliminary information on the model

The information on calculating the reward and profitability of the model is as follows:



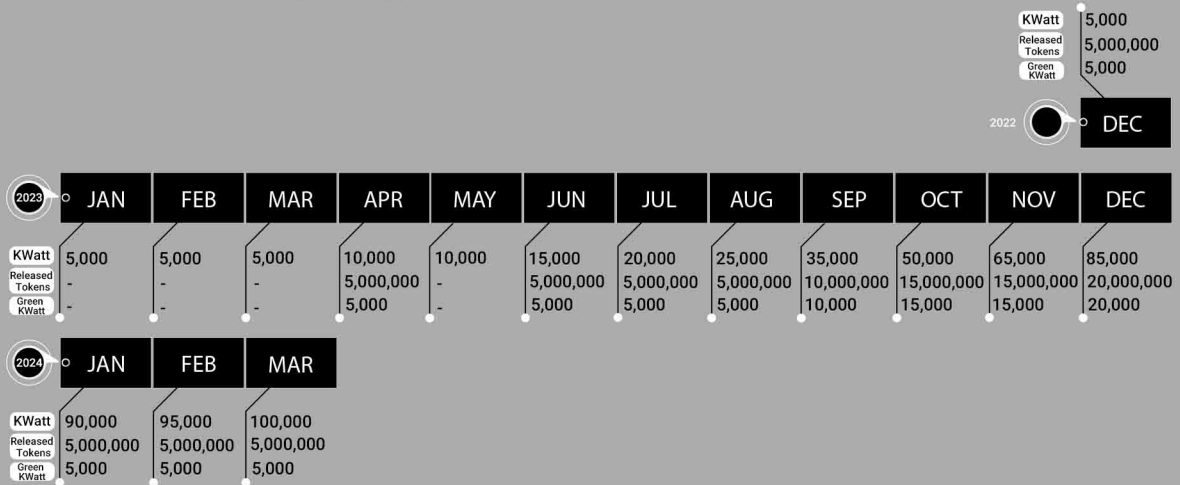
▲ Token release

Through smart contracts, the mining capacity will increase and subsequently, an equivalent amount of tokens will be released and made available to the public. In each release, 80% of the tokens in the respective smart contract are sold, and the remaining 20% of the tokens are locked, the staking revenue of which will cover repair and maintenance costs. Through this, users will never be obligated to contribute towards the costs of repair and maintenance. Having established that, the process of increasing the capacity, selling, releasing, and staking tokens is exemplified in what follows. Increasing the electrical capacity to mine cryptocurrencies by 10 MW will result in 10 million tokens to be released through a smart contract. Of that, 8 million tokens are offered on the website as available-for-sale, and the remaining 2 million are staked to cover the repair and maintenance costs. After purchasing the 8 million tokens, users can stake them in order to enjoy daily income and rewards, or use them for trading, or save them and take advantage of the fluctuations their rate.

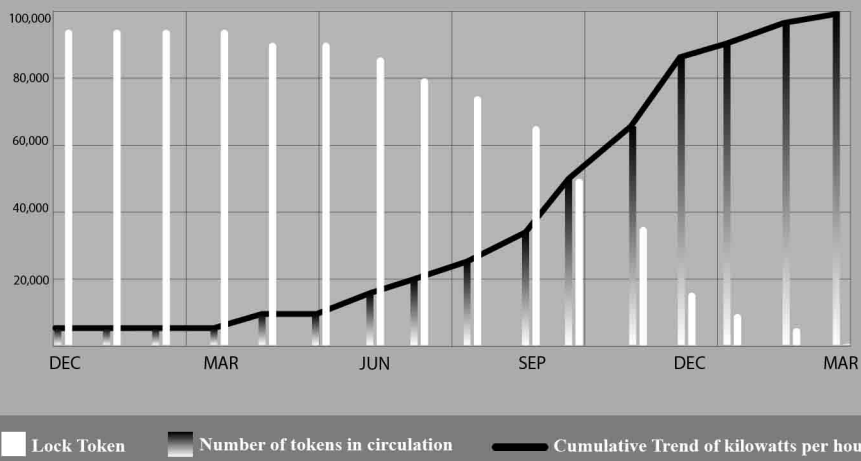


▲ Capacity increase is as follows:

▲ Chart 1 - Capacity growth over time



▲ Chart 2 - Token release over time



▲ Mining capacity

The mining capacity can be calculated and evaluated based on the number of mining devices, according to the amount of available and released electricity, as well as the equivalent tokens released.

The following table illustrates the mining devices by the date their addition to the project.



Model:

Whatsminer M21

Bitmain T17

Antminer S19

Antminer S19pro

Date, Count:

Dec22, 2300

Dec22, 1250

Mar23, 850
Aug23, 4200
Nov23, 4200

Jun23, 3700
Sep23, 3700
Dec23, 1400

Hash Rate (TH/S)	58	54	90	110
Total Hash rate	133400	67500	76500 378000 378000	407000 407000 154000
Power (Watt / Hour)	2900	2700	4500	5500
Total KWatt Per Hour	6,670	3,375	3,825 18,900 18,900	20,350 20,350 7,700
Algorithm	SHA - 256	SHA - 256	SHA - 256	SHA - 256
Size	390 * 240 * 155	296 * 178 * 298	195 * 290 * 400	195 * 290 * 370
Weight	12.5	11.5	14.5	13

▲ Conversion rate of MegaToken to mining capacity

Users gain access to a certain amount of mining capacity by purchasing an equivalent number of tokens⁸ based on the number of available mining devices, as well as the available mining capacity obtained through those devices.

1 tera hash is calculated as follows:

$$\frac{1}{\frac{\text{Total HashRate Capacity}}{\text{Total Power}}}$$

Through purchasing new generations of miners and increasing hash rate capacity, this number will consistently decrease. At the time of this article, every 50 tokens equate to 1 tera hash. Future advancements of technology in mining devices will result in decreases in that number, which, in turn, means that users will be required to buy and stake fewer tokens to access 1 tera hash of mining capacity.

▲ electricity cost

The cost of electricity is 0.035 USD per Kilowatt Hour, in this model.

▲ Mining in Bitcoins

The mining reward is calculated on monthly, weekly and hourly bases, according to the costs mining and electricity, the difficulty of the network, the block reward, and the price of Bitcoin.


The available data on the price of Bitcoin and the difficulty of the network from 2015 onwards was set as a baseline for measure and forecast. It was observed from the data that the growth rate of the price of Bitcoin is higher than the growth rate of the difficulty of the network. Thus, in order for the model to be expressed and interpreted in simple terms, a 1% increase in network difficulty and a 2% increase in the price of Bitcoin was assumed.

The information was calculated for each month and relevant graphs were extracted.


8- each token amounts to 1 watt of electricity for mining


▲ Why MegaToken?


Looking at similar projects and cloud mining platforms, the advantages of MegaToken can be defined and categorized as follows:


 Smart mining platform


 Perpetual mining


 Private mining – organizational projects or projects that will require smart mining within the cryptocurrency industry

 No repair and maintenance costs

 Low-cost resources, maximum profitability

 Transparency – users can monitor the project development online and in real time, through the cameras installed at different locations within the farm.

 Moving with technology – with the arrival of new technologies and new mining devices, the costs of upgrades will be reviewed and the devices will be updated.

 Support of legislations - many governments, such as that of China, have boycotted this industry and stand against legalizing it and allowing users to operate. Through operating in countries such as Iran, Turkey, and Russia, MegaToken will have the support of their governments, thereby increasing the peace of mind and ensuring the rapid growth of the project.



▲ Staking

Users can receive their daily rewards by purchasing and locking MegaToken in their staking smart contracts. Currently, smart contracts are offered in 90-, 180-, and 360-day schedules, through which, and by locking their tokens, users can access the equivalent of their tokens in mining capacity. Upon the completion of their smart contracts, and depending on the available capacity (i.e. mining devices), users will be able to extend their contracts or opt in other smart contracts, lock their tokens and enjoy the daily mining rewards. users can access 1 tera hash of mining capacity for the specified period of their selected smart contract, by locking 50 tokens in the Bitcoin Mining Smart Contract. At the end of this contract, users can participate in other contracts, depending on the available capacities, choose their new staking plan, and enjoy the daily rewards.

▲ Price

2,600,000 tokens were purchased by local customers for the price of 5.00 USD, at the Pre-ICO stage. At the ICO stage, each token will be priced at 7.00 USD.

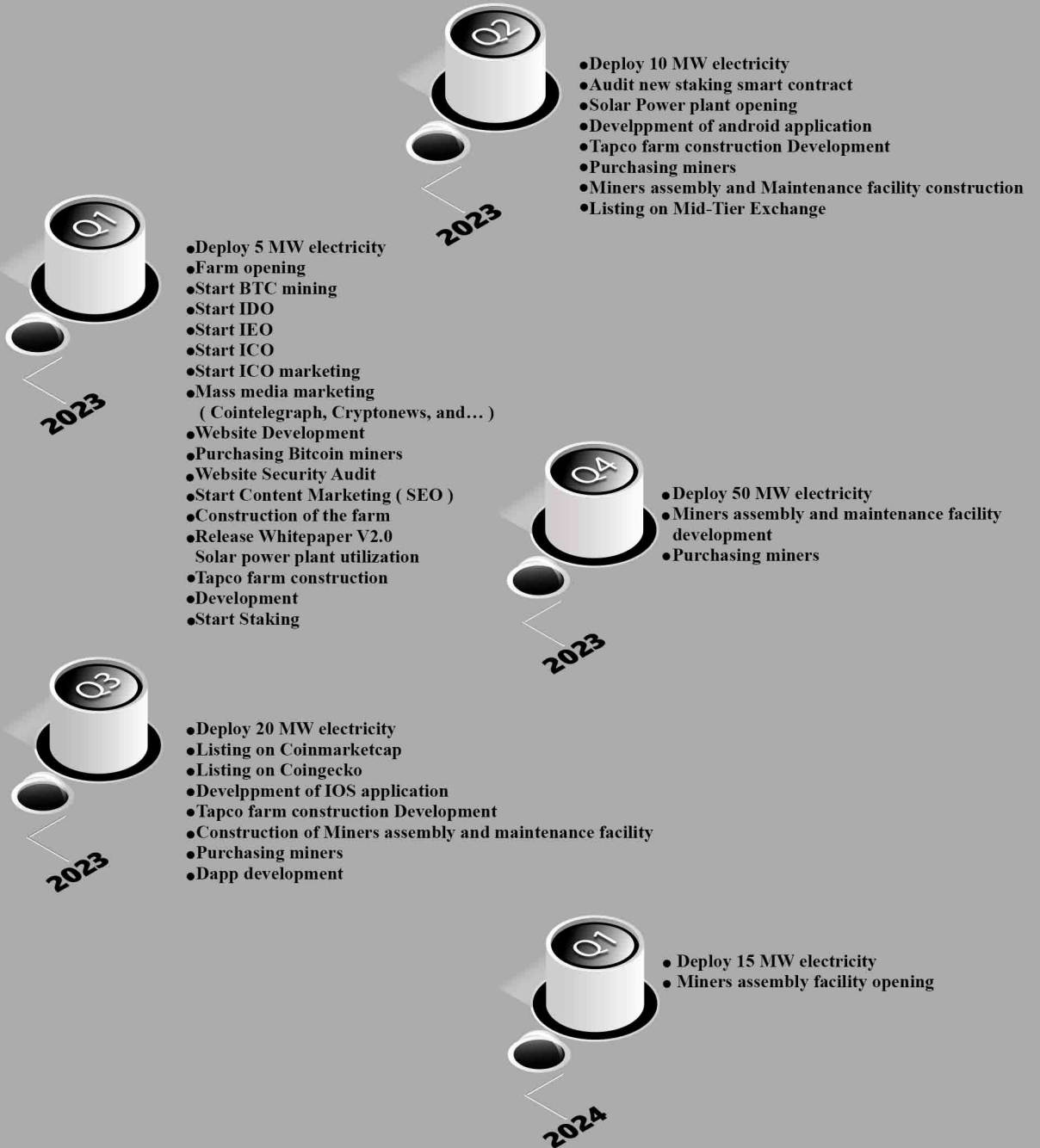
Phase	Start Date	Finish Date	Count	Price
Pre ICO	05/03/2021	10/25/2022	2,600,000	\$5
ICO - IDO	11/01/2022	—	—	\$7

▲ Roadmap

▲ Completed Tasks

- ⚡ Project official announcement
 - ⚡ Joining TAPCO
 - ⚡ Getting licenses
 - ⚡ Buying the farm land
 - ⚡ Firm layout mapping
 - ⚡ Team building
 - ⚡ Token creation on Tron blockchain
 - ⚡ MegaToken staking smart contract
 - ⚡ MegaToken Audit smart contract by Solidity.Finance
 - ⚡ Release Whitepaper V1.2
 - ⚡ New MegaToken website design
 - ⚡ 60% progress in construction of the farm
 - ⚡ About 9.5 M\$ local sale
 - ⚡ Listing on ICO platforms
 - ⚡ Purchasing Bitcoin miners
 - ⚡ 5 MW electricity deployed
 - ⚡ 100 MW Solar power plant licenses
 - ⚡ Start content marketing
 - ⚡ Migrated to BSC blockchain
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▲ Upcomings



▲ Disclaimer

This whitepaper shall not be considered as an invitation to enter an investment with MegaToken. MegaToken is not to be considered an advisor in any legal, tax or financial matters. Every information in this whitepaper is provided for general information purposes and MegaToken does not provide any warranty to the accuracy and completeness of the information. Any person planning to acquire MegaToken must be aware that the business model, white paper or terms and conditions might change or be modified from time to time because of new regulatory and compliance requirements from any applicable laws in its jurisdiction. In the case of this happening, holders of Mega Token or anybody looking to acquire MegaToken should understand and acknowledge that Mega would not be held liable for any direct or indirect loss or damage caused by such changes.

Our project is protected by the law, however MegaToken like other cryptocurrencies is beyond any regulation. We are protected by the law of the internet and having that in mind takes all necessary precautions to ensure safety of funds. However, anybody looking to acquire Mega should note that MegaToken would not be held liable for loss of funds while trading or investing in platforms.

The MegaToken ecosystem will do everything within its power to launch operations and develop the platform. Anyone looking to acquire MegaToken should acknowledge and understand that MegaToken does not guarantee that this will be achievable. They understand and acknowledge that the MegaToken ecosystem in its entirety assumes no liability or responsibility for any loss or damage that would result from or relate to the incapacity to use MegaToken.
