



# BMM20 Whitepaper

Last updated: 11th November 2023

## Introduction

Embark on a revolutionary journey as we rewind the clock on cryptocurrency mining.

In our vision, we aim to mine 21,000,000 X-Bitcoins, orchestrating a reversal of the traditional Bitcoin (BTC) narrative. This not only challenges the status quo but propels our very own XBTC to celestial heights. Envision a future where XBTC reigns supreme as the official currency of the lunar landscape, even warranting a spot on your passport. In this paradigm, blockchain transcends complexity, becoming effortlessly user-friendly and accessible to all.

## Abstract

We're thrilled to announce that BMM20, our mining organization, is set to mine Bitcoin (BTC) in the future. Join us in this exciting venture and be part of a community that values determination, lightheartedness, and togetherness. Welcome to BMM20, where every miner's story finds a place.

Beyond mining, XBTC is about fostering a community that embraces the unpredictable world of crypto mining, turning it into a shared journey of learning and growth. As we celebrate 15 years since the launch of Bitcoin, XBTC is here to give a second chance to those who missed bitcoin mining in 2009 and shape the future with blockchain technology.

Prepare for an immersive virtual mining experience, filled with fun and learning about different parameters and ROI. Collect jubilee XBTC, explore intrigue, and delve into our unique tokenomics model, making our product a standout GameFi experience. Join us as we revolutionize the mining space!



## How to Start?

Mining of XBTC will commence when the first Bitcoin Mining Machine (BMM20) is activated and sufficient hashing power (~21,000 Th/s) is provided to support the network. Mining rewards will be distributed among BMM20 miners who have contributed hashing power by staking their ERC-751 NFTs in the mining pool.

**Method:** Mining is conducted through a Proof of Stake (PoS) mechanism using 3D Virtual Mining Machines which are BMM20 NFTs.

**Total Supply:** The total supply of XBTC tokens is 21,000,000 (100%).

#### How to Acquire XBTC?

XBTC tokens can be obtained by staking BMM20 (Bitcoin Mining Machine 2.0) NFTs.

To acquire NFTs, follow the instructions on our website to mint them, or purchase them from a marketplace like [OpenSea.io](#) or on the [bmm20.xyz](#) website. Once you have your BMM20 NFTs, they would be automatically stacked and you enter the pool at [bmm20.xyz](#) website.

## Tokenomics

We are committed to a transparent and fair system. There are no hidden taxes and no underhanded tactics. The token contract will be fully decentralized and uneditable. The royalty fee is 2.1%, will be sent to multi-sign wallet for future development and growth.

**Total Supply:** 21,000 NFTs

- **Pre-sale Round (25.71%):** 5,400 NFTs. The Presale Round offers early investors and supporters an exclusive opportunity to acquire NFTs. A specific quantity will be made available on the [bmm20.xyz](#) website during the pre-sale period.
- **Marketplace Blur / OpenSea Listings (2.86%):** 600 NFTs, These NFTs are designated for listings on popular marketplaces like OpenSea, making the NFTs accessible to a broader audience and facilitating trading.
- **Team and Advisors (9.05%):** 1,900 NFTs, This allocation recognizes and rewards the project's dedicated team members and advisors for their hard work, expertise, and contributions to the project's success.
- **Mystery Boxes (20.00%):** 4,200 NFTs, These ERC-1155 NFTs are reserved for Mystery Boxes, providing an element of surprise and excitement for collectors and investors. They may contain unique and rare NFTs, driving engagement and interest in the project.
  - In order to open your Mystery Box, you would need to make two transactions. First, you open and burn the box, and then you can claim rewards to guarantee fair play. We have utilized Solidity pseudorandom numbers for a transparent notch process. There are 4,200 NFTs, and if some rare NFTs are out of stock, you will receive rewards from what's left.
  - Following by 4 types of NFTs you are free to open the box and get the rewards
    1. Osmium Box with 75% reward chance
    2. Golden Box with 75% reward chance
    3. Sapphire Box with 66% reward chance
    4. Iron Box with 66% reward chance
- **Community Awards (42.38%):** 13,500 NFTs
  - Community Awards are set aside for rewarding active and engaged community members. These NFTs will be distributed to individuals who contribute to the project's growth, development, and overall success.
  - Upon completing each quest, users can claim an NFT. These NFTs have rarity levels ranging from 1 to 4. For every level you can claim 1 NFT Only:
    1. Unique NFT Collection (Quest #1):  
Collect first-hand 5 unique NFTs: Receive a Rarity Level 1 reward (70% rarity).  
Collect first-hand 11 unique NFTs: Receive a Rarity Level 2 reward (20% rarity).  
Collect first-hand 19 unique NFTs: Receive a Rarity Level 3 reward (8% rarity).  
Collect first-hand 30 unique NFTs: Receive a Rarity Level 4 reward (2% rarity).
    2. First-Hand NFT Accumulation (Quest #2):  
Collect and hold 8 first-hand NFTs: Receive a Rarity Level 1 reward (70% rarity).  
Collect and hold 13 first-hand NFTs: Receive a Rarity Level 2 reward (20% rarity).  
Collect and hold 21 first-hand NFTs: Receive a Rarity Level 3 reward (8% rarity).  
Collect and hold 34 first-hand NFTs: Receive a Rarity Level 4 reward (2% rarity).

3. Spending XBTC Rewards (Quest #3):
  - Spend  $\geq$  5,000 xBTC: Earn a Rarity Level 1 reward (70% rarity).
  - Spend  $\geq$  21,000 xBTC: Earn a Rarity Level 2 reward (20% rarity).
  - Spend  $\geq$  42,000 xBTC: Earn a Rarity Level 3 reward (8% rarity).
  - Spend  $\geq$  120,000 xBTC: Earn a Rarity Level 4 reward (2% rarity).
  
4. Treasury Hunter (Quest #4):
  - Open and burn 3 mystery boxes: Earn a Rarity Level 1 reward (70% rarity).
  - Open and burn 8 mystery boxes: Earn a Rarity Level 2 reward (20% rarity).
  - Open and burn 13 mystery boxes: Earn a Rarity Level 3 reward (8% rarity).
  - Open and burn 33 mystery boxes: Earn a Rarity Level 4 reward (2% rarity).
  
5. Prize Accumulation (Quest #5):
  - Accumulate 3 rewards: Receive a special Rarity Level 1 reward (70% rarity).
  - Accumulate 8 rewards: Receive a special Rarity Level 2 reward (20% rarity).
  - Accumulate 13 rewards: Receive a special Rarity Level 3 reward (8% rarity).

## Pricing

### BMM20 NFTs

Item Name	Rarity	Types	Qnt of NFTs	ETH, per one	USDT, per one	XBTC, per one
BMM20 Osmium	Legendary	2	420	1.333	3333	33333
BMM20 Gold	Epic	8	1680	0.555	1111	11111
BMM20 Sapphire	Majestic	20	4200	0.333	555	5555
BMM20 Iron	Ordinary	70	14700	0.111	222	2222
Total		100	21,000	ETH 4522	USDT 8,860,740	XBTC 88,660,740

### Mystery boxes NFTs

Item name	Rarity	Types	Qnt of NFTs	ETH, per one	USDT, per one	XBTC, per one
Osmium Box	Legendary	1	400	1.333	3333	33333
Golden Box	Epic	1	1200	0.555	1111	11111
Sapphire Box	Majestic	1	1600	0.333	555	5555
Iron Box	Ordinary	1	2400	0.111	222	2222
Total		4	5600	ETH 1998	USD 4,087,200	XBTC 40,887,200



## BMM20 Network Protocol

### BMM20 NFTs (ERC-751)

#	Item name	Qnt per Type	Rarity	(Th/s) Hashrate	W/Th	1 symbol	2 symbol
1	BMM20 Osmium R2D2	210	Legendary	1050	5	Probiotics	Focus
2	BMM20 Osmium OG88	210	Legendary	990	5	Unleashed potential	Pandora
3	BMM20 Gold D500	210	Epic	410	10	Magnet	Gebo rune
4	BMM20 Gold IQ99	210	Epic	395	10	Radioactive energy	Omega 3
5	BMM20 Gold IP88	210	Epic	400	10	Fire	Crystal vi
6	BMM20 Gold MX69	210	Epic	404	10	Jera rune	Lunar eli
7	BMM20 Gold DDR4	210	Epic	400	10	Pandora's box	Aura
8	BMM20 Gold Z911	210	Epic	390	10	Tornado	Jera rune
9	BMM20 Gold BB88	210	Epic	401	10	Mannaz rune	Willpowe
10	BMM20 Gold J007	210	Epic	420	10	Onion union	Mannaz i
11	BMM20 Sapphire X600	210	Majestic	160	15	Lightning	Mannaz i
12	BMM20 Sapphire M1X1	210	Majestic	140	15	Probiotics	Lunar eli
13	BMM20 Sapphire M200	210	Majestic	150	15	Aura	Earth
14	BMM20 Sapphire V333	210	Majestic	155	15	Focus	Lightning

15	BMM20 Sapphire USB3	210	Majestic	156	15	Tornado	Lightning
16	BMM20 Sapphire YC99	210	Majestic	151	15	Dagaz rune	Portal
17	BMM20 Sapphire K99i	210	Majestic	154	15	Oil	Gebo run
18	BMM20 Sapphire XP95	210	Majestic	152	15	Waning moon phase	Radioact energy
19	BMM20 Sapphire X999	210	Majestic	158	15	Mental energy	Willpowe
20	BMM20 Sapphire RX88	210	Majestic	166	15	Waning moon phase	Genesis
21	BMM20 Sapphire F420	210	Majestic	168	15	Gebo rune	Pandora'
22	BMM20 Sapphire V9X6	210	Majestic	158	15	Yantra	Portal
23	BMM20 Sapphire GT60	210	Majestic	154	15	North star	Oil
24	BMM20 Sapphire IQ66	210	Majestic	152	15	Focus	Happines
25	BMM20 Sapphire 0X99	210	Majestic	153	15	Galaxy's key stone	Radioact energy
26	BMM20 Sapphire XD13	210	Majestic	160	15	Genesis	Lightning
27	BMM20 Sapphire YC77	210	Majestic	144	15	Waning moon phase	Wind
28	BMM20 Sapphire XY99	210	Majestic	149	15	Omega 3	Sun eclip
29	BMM20 Sapphire RX70	210	Majestic	158	15	Probiotic	Waxing n phase
30	BMM20 Sapphire GT77	210	Majestic	166	15	Lightning	Genesis
31	BMM20 Iron XBT5	210	Ordinary	66	20	Yantra	Galaxy's stone
32	BMM20 Iron W220	210	Ordinary	63	20	Water	Love
33	BMM20 Iron S500	210	Ordinary	64	20	Water	Waxing n phase
34	BMM20 Iron Z1K9	210	Ordinary	59	20	Probiotics	Genesis
35	BMM20 Iron L2X5	210	Ordinary	57	20	Meteor energy	Earth
36	BMM20 Iron 4GX9	210	Ordinary	58	20	Omega 3	Center or passion
37	BMM20 Iron GX21	210	Ordinary	62	20	Jera rune	Focus
38	BMM20 Iron MX66	210	Ordinary	60	20	Hurricane	Magnet
39	BMM20 Iron L2R2	210	Ordinary	61	20	Happiness	North sta
40	BMM20 Iron W20X	210	Ordinary	63	20	Mental energy	Cosmic e
41	BMM20 Iron RX5G	210	Ordinary	56	20	Unleashed potential	Genesis
42	BMM20 Iron	210	Ordinary	63	20	North star	Mannaz i

	H2O2						
43	BMM20 Iron T9R5	210	Ordinary	64	20	Yantra	Unleashed potential
44	BMM20 Iron LOL6	210	Ordinary	69	20	North star	Yantra
45	BMM20 Iron XV77	210	Ordinary	62	20	Love	Wind
46	BMM20 Iron R1Z4	210	Ordinary	63	20	Lightning	Probiotic
47	BMM20 Iron V8R8	210	Ordinary	64	20	Otlahe rune	Tornado
48	BMM20 Iron PX00	210	Ordinary	60	20	Wind	Algis rune
49	BMM20 Iron GX66	210	Ordinary	60	20	Portal	Onion un
50	BMM20 Iron XP22	210	Ordinary	63	20	Mannaz rune	Happiness
51	BMM20 Iron Q3N4	210	Ordinary	60	20	Tornado	Aura
52	BMM20 Iron K2Q3	210	Ordinary	69	20	Focus	Tornado
53	BMM20 Iron XT66	210	Ordinary	59	20	Otlahe rune	Focus
54	BMM20 Iron VQ77	210	Ordinary	62	20	Water	Galaxy's stone
55	BMM20 Iron W1X2	210	Ordinary	65	20	Pandora's box	Crystal vi
56	BMM20 Iron T8X9	210	Ordinary	66	20	Galaxy's key stone	Center of passion
57	BMM20 Iron J9Y5	210	Ordinary	62	20	Infinity energy	Pandora'
58	BMM20 Iron XT77	210	Ordinary	65	20	Lunar elixir	Portal
59	BMM20 Iron J966	210	Ordinary	68	20	Infinity energy	Sun eclip
60	BMM20 Iron X4X4	210	Ordinary	66	20	Otlahe rune	Portal
61	BMM20 Iron T200	210	Ordinary	66	20	Center on passion	Lunar elix
62	BMM20 Iron T9X6	210	Ordinary	63	20	Unleashed potential	Infinity er
63	BMM20 Iron V5X5	210	Ordinary	63	20	Lunar elixir	Third que moon
64	BMM20 Iron J9K6	210	Ordinary	64	20	Genesis	Cosmic e
65	BMM20 Iron L699	210	Ordinary	60	20	Gebo rune	Focus
66	BMM20 Iron R9X1	210	Ordinary	60	20	Portal	Center of passion
67	BMM20 Iron MX4G	210	Ordinary	60	20	Algis rune	Dagaz ru
68	BMM20 Iron MXXL	210	Ordinary	58	20	North star	Willpowe
69	BMM20 Iron L300	210	Ordinary	63	20	Probiotics	Radioact energy

70	BMM20 Iron BX14	210	Ordinary	60	20	Mental energy	Infinity energy
71	BMM20 Iron OXHP	210	Ordinary	60	20	Radioactive energy	Water
72	BMM20 Iron OXYZ	210	Ordinary	64	20	Center on passion	Dagaz rune
73	BMM20 Iron FX12	210	Ordinary	62	20	Aura	Sun eclipse
74	BMM20 Iron HP11	210	Ordinary	60	20	Waxing moon phase	Lunar elixir
75	BMM20 Iron MP3X	210	Ordinary	60	20	Unleashed potential	Earth
76	BMM20 Iron ZR99	210	Ordinary	60	20	Dagaz rune	Meteor energy
77	BMM20 Iron GX01	210	Ordinary	60	20	Focus	Jera rune
78	BMM20 Iron W777	210	Ordinary	63	20	Willpower	Probiotic
79	BMM20 Iron R699	210	Ordinary	64	20	Center on passion	Omega 3
80	BMM20 Iron K969	210	Ordinary	65	20	Lightning	Onion un
81	BMM20 Iron GX77	210	Ordinary	66	20	Water	Dagaz rune
82	BMM20 Iron 5GXP	210	Ordinary	69	20	Lightning	Oil
83	BMM20 Iron R8TT	210	Ordinary	68	20	Sun eclipse	Onion un
84	BMM20 Iron FF88	210	Ordinary	67	20	Radioactive energy	Genesis
85	BMM20 Iron XX66	210	Ordinary	60	20	Probiotics	Lunar elixir
86	BMM20 Iron C400	210	Ordinary	60	20	Third quarter moon	Chemical progress
87	BMM20 Iron XY55	210	Ordinary	60	20	Algiz rune	Water
88	BMM20 Iron V8X8	210	Ordinary	60	20	Omega 3	Pandora's
89	BMM20 Iron S222	210	Ordinary	60	20	Earth	Onion un
90	BMM20 Iron L2Z2	210	Ordinary	60	20	Fire	Algiz rune
91	BMM20 Iron GTX5	210	Ordinary	63	20	Infinity energy	Galaxy's stone
92	BMM20 Iron L200	210	Ordinary	64	20	Radioactive energy	Third quarter moon
93	BMM20 Iron QX60	210	Ordinary	65	20	Oil	Aura
94	BMM20 Iron X404	210	Ordinary	60	20	Cosmic energy	Happiness
95	BMM20 Iron ML22	210	Ordinary	64	20	Unleashed potential	Meteor energy
96	BMM20 Iron FTX9	210	Ordinary	65	20	North star	Probiotic
97	BMM20 Iron	210	Ordinary	60	20	Dagaz rune	Mannaz rune

	GTA5						
98	BMM20 Iron GPT7	210	Ordinary	63	20	Omega-3	Othala rune
99	BMM20 Iron ERC2	210	Ordinary	60	20	Happiness	Jera rune
100	BMM20 Iron LVL1	210	Ordinary	66	20	Dagaz rune	Wind

## Mystery Boxes NFTs (ERC-1155)

#	Item name	Qnt of NFTs	# of Rewards	BMM20 Iron	BMM20 Sapphire	BMM20 Gold	BMM20 Osmium
1	Osmium Box	400	from 0 to 3 (75% chance)	-	30.00%	30.00%	40.00%
2	Golden Box	1200	from 0 to 3 (75% chance)	50.00%	40.00%	-	10.00%
3	Sapphire Box	1600	from 0 to 2 (66% chance)	40.00%	30.00%	25.00%	5.00%
4	Iron Box	2400	from 0 to 2 (66% chance)	70.00%	20.00%	8.00%	2.00%

These names incorporate the elements of creation, water, fire, wind, and sun, adding an extra layer of symbolism to each rank. They also represent different sources of energy, highlighting the importance of sustainable and renewable energy in the world of crypto mining.

## BMM20 Mining Process

- **Acquiring Bitcoin Mining Machines (BMM20):**
  - Users acquire unique Non-Fungible Tokens (NFTs), known as Bitcoin Mining Machines (BMM20), from OpenSea or the official bmm20.xyz website.
  - BMM20 tokens signify the user's stake in the mining process, each with varying ranks and hash rates influencing their mining power.
- **Staking and Joining a Mining Pool:**
  - Users do not need to manually stake BMM20 NFTs; the staking process is automatic.
  - Users have the flexibility to switch mining pools when desired if there would be any.
- **Mining Process:**
  - XBTC mirrors the Bitcoin network's mining, featuring a halving mechanism and accelerated block rewards (approximately every 15-20 seconds).
  - Block rewards halve every 210,000 blocks, occurring every 30 days, aligning with Bitcoin's scarcity. This results in 98% of XBTC being mined in two years.
- **Mining Algorithm:**
  - XBTC utilizes a Proof of Stake (PoS) mining algorithms developed by Ethereum EVM, integrating advanced smart contracts.
- **Mining Start:**
  - Mining begins when the total mining power reaches 21,000 Th/s on the mining pool, ensuring network security and a fair start.
- **Reward Distribution:**
  - Rewards, in XBTC tokens, are distributed based on the hashrate power of staked BMM20 NFTs.
  - Likelihood of selection is proportional to these factors, ensuring equitable reward distribution in the pool.
- **Claiming Rewards:**
  - Users and the mining pool can claim rewards at any time.

- **Transfer or Sale:**
  - Users can sell BMM20 tokens flexibly. The protocol recalculates the hash rate of the owner after each transfer or sale.
  - Post-sale, mining rewards are captured, the balance is automatically updated, and NFT ownership changes.
- **Unstake and Stake:**
  - Users have the flexibility to unstake their NFTs or stake them in another pool, adapting their mining strategy.
  - Accordingly, mining rewards are captured, the balance is automatically updated
- **Security Measures:**
  - NFTs represent cryptographic keys, not continuously transferred to the mining pool, ensuring network security and integrity also low tx fees.

## Reward Distribution from NFT Mining

- **NFT Power Assignment:** Each NFT is assigned a power score based on its contribution to the network. For example, if an NFT holds 30% of the total mining power, its owner will receive 30% of the rewards from a mined block.
- **Total User Power:** The total mining power for a user is the combined power scores of all the NFTs they own, could be checked on the [bmm20.xyz](#) website.
- **Reward Sharing:** When a block is successfully mined, the rewards are distributed. In a mining pool, users receive a share proportional to their total mining power. This ensures that users with more powerful NFTs receive a fair and proportionate share of the rewards.

This clear and transparent reward distribution mechanism incentivizes users to hold and stake high-powered NFTs, contributing to the security and success of the XBTC network.

## X-Bitcoin (XBTC) Reward Calculation

Taking into account the OG Bitcoin halving that occurs every 210,000 blocks, the rewards for mining are reduced by half. The initial reward is 50 bitcoins per block, and it decreases to 25 bitcoins after the first halving, 12.5 bitcoins after the second halving, and so on.

Let's calculate the approximate number of blocks and rewards for mining based on the given conditions:

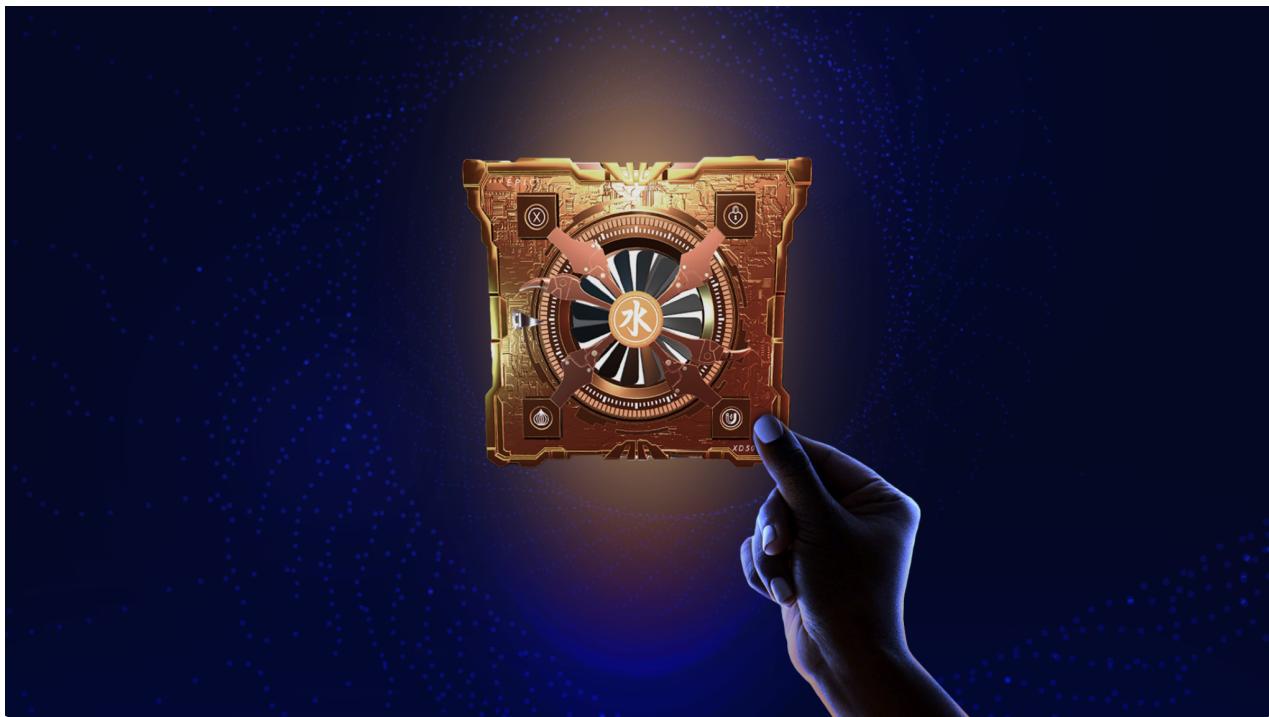
1. First 210,000 blocks:  
210,000 blocks \* 50 bitcoins per block = 10,500,000 bitcoins.
2. Next 210,000 blocks:  
210,000 blocks \* 25 bitcoins per block = 5,250,000 bitcoins.
3. Next 210,000 blocks:  
210,000 blocks \* 12.5 bitcoins per block = 2,625,000 bitcoins.
4. Next 210,000 blocks \* 6.25 bitcoins per block = 1,312,500 bitcoins.
5. Next 210,000 blocks \* 3.125 bitcoins per block = 656,250 bitcoins.
6. And so on until all 21,000,000 bitcoins are mined.

The total number of bitcoins mined, considering the halvings, will be:

$$10,500,000 + 5,250,000 + 2,625,000 + \dots = 21,000,000 \text{ bitcoins.}$$

Comparatively, Ethereum currently has a faster block time of 5 blocks per minute, which is much quicker than Bitcoin's 1 block per 10 minutes. As a result, the reward for each Ethereum block would be 50 times bigger, but it would still be distributed every 10 minutes

Please note that these are approximate values, and the actual number of blocks and rewards may vary due to various factors and the dynamic nature of the mining process



## Roadmap

### Phase 1: Initial Offerings

- Q3 2023: NFT Pre-Sale: Launch exclusive NFTs for early supporters, fostering community engagement.
- Q4 2023: POS Staking: Introduce staking mechanisms to enhance user earnings, fostering long-term commitment and community growth.

### Phase 2: Ecosystem Development

- Q1 2024: Wallet Launch: Develop and launch our wallet for seamless transactions within our ecosystem, ensuring user-friendly experiences.
- Q2 2024: Oracle Integration: Integrate oracles to provide traders with reliable, real-time data via chatbot, enhancing trading functionalities.
- Q3 2024: Monetization Strategies: Implement strategic ad placements, explore partnerships, and develop monetization avenues for sustained growth.

### Phase 3: User Empowerment and Collaboration

- Q3 2024: Staking Expansion: Introduce additional staking options for users to earn passive income, expanding financial opportunities.
- Q4 2024: DAO Establishment: Establish a DAO to give users a voice in the project's direction, fostering a collaborative and community-driven environment.

## Conclusions and call to action

Embark on a visionary journey with XBTC as we mine 21,000,000 X-Bitcoins, challenging norms and propelling to celestial heights. Picture a future where XBTC reigns as the official lunar currency, embodying user-friendliness in blockchain technology.

Join BMM20, our mining organization, in an exciting venture to mine Bitcoin (BTC), fostering a community that values determination, lightheartedness, and togetherness. Beyond mining, XBTC embraces the unpredictability of crypto mining, offering a shared journey of learning and growth.

Celebrating 15 years since Bitcoin's launch, XBTC opens a gateway, providing a second chance for those who missed the 2009 mining era. Dive into an immersive virtual mining experience, exploring intrigue and unique tokenomics in a standout GameFi adventure.

*Join us in reshaping the mining space at [bmm20.xyz](http://bmm20.xyz)*

