

AMMUT

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1.0 ABSTRACT

Before its great popularity, the HPC was used by geologists, meteorologists and medical researchers to create complex algorithms to solve scientific problems. HPCs are now accepted by small businesses, entrepreneurs and inventors. Some have called it “the key to future innovation”.

Automakers, for example, use high-performance computing to perform virtual crash tests on their vehicles. The \$ 60,000 safety test at Ford Motor Company 20 years ago costs around \$ 10 today.

The AMMUT solution being pushed out by the platform is designed to provide a holistic model that answers to a wide range of technologies. Specifically, this means the AMMUT platform can be used to solve more problems that require high computing power.

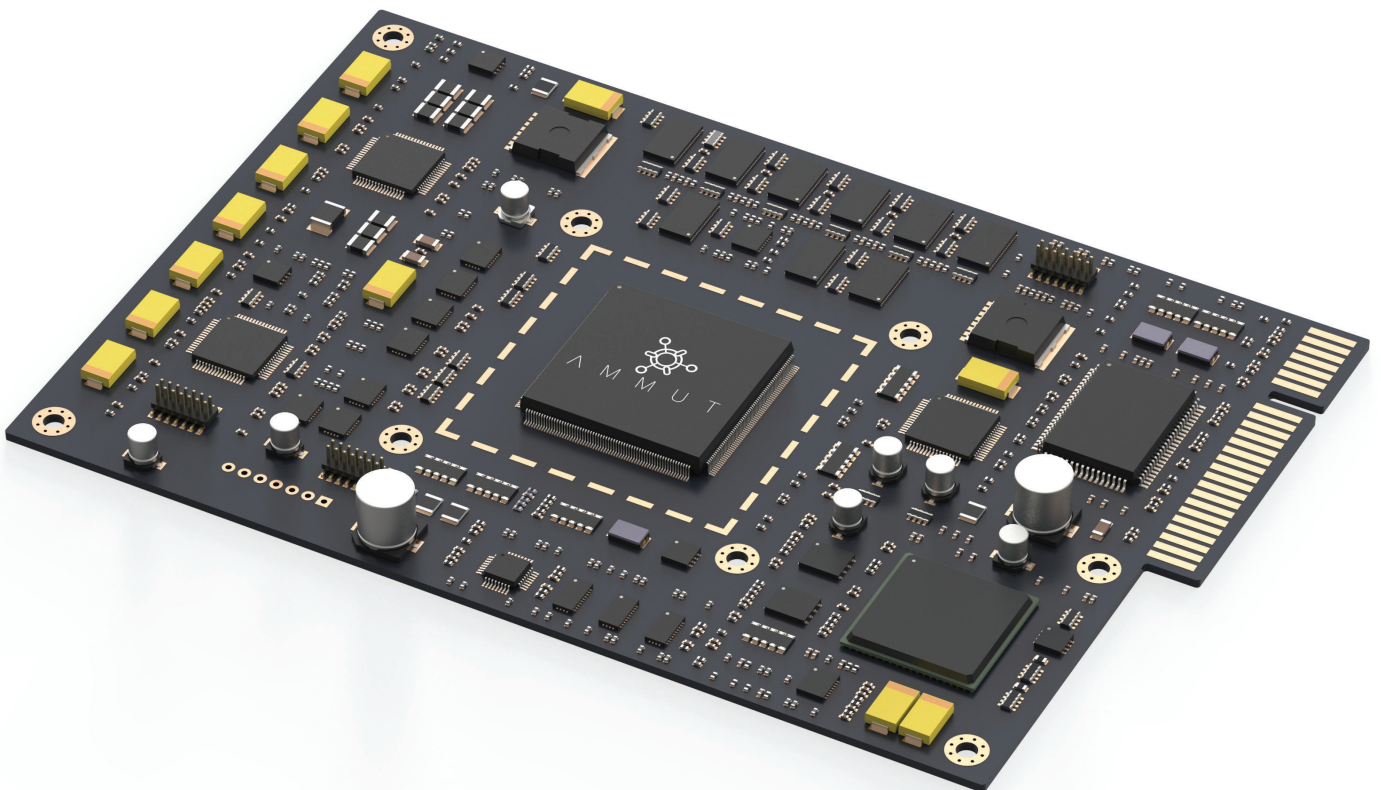
2.0 AMMUT ECOSYSTEM

The AMMUT Ecosystem is built, designed and equipped to solve tasks that require high computing power such as deep learning, mining, scientific calculations, CGI rendering, 3d rendering and it's made of several components:



2.1 AmCU - AMMUT Computing Unit


AmCU (Ammut Computing Unit) is a low-cost hardware platform, specialized in the execution of tasks that require high computing power. AmCU is designed to specifically and significantly improve on all pre-existing models in terms of profitability and longevity. Every component of the operating system, from firmware to hardware, is a blend of state-of-the-art technology with innovative engineering for optimal efficiency and durability.





The firmware of this platform has a lot of roles. First, it allows AmCU to access the Ammut network by using a secured authentication system. When the device is authenticated on the network, the user sets an earning coefficient and using that coefficient he will receive tasks from the network. This earning coefficient will be calculated based on many factors such as ROI, uptime, power consumption, donation.

Using the earning coefficient users of the AmCU ecosystem can decide what they want to do with their computing power. Some may want to only donate their power to good causes, while others may only want to complete the most profitable tasks available. Others may want to use only half of the devices computing power in order to prevent wear. Others may want to only use the devices a certain number of hours a day. Some may want to switch between these tasks every few hours.



The hardware device will also be a hardware wallet, it allows the storage of XAMM tokens. The firmware takes over tasks from the network depending on the earning coefficient. Once a task is completed, the solution is sent to the Ammut network.

Access to the wallet is made through a web interface that can also monitor the following statistics:

- Consumed power for a certain period (day, week, month, etc.)
- Total operation hours of the device
- Load history for a certain period (day, week, month, etc.)
- Current operational temperatures inside the device
- Display of XAMM tokens earned
- Display of XAMM tokens owned

Furthermore, the AmCU user interface makes it easy for users to monitor and control the device, both from a PC and a smartphone. The tremendous functionality of the software allows users to monitor graphically represented the overall process of operation with incredible accuracy. With a single press of a button, you will be offered a variety of options to change or correct operational modes of the device, for example, from energy saving mode to high-performance mode. In the case of breakage or malfunction, a problem can be solved remotely as the system will identify and display the problem to the user. All software upgrades of the device will be done easily and remotely just like updating software on your smartphone.

2.2 AMMUT Network

The Ammut network is made up of all the AmCU devices connected to the network. AmCU takes tasks from the network, based on the earning coefficient that was initially set by the user. After it finishes the task, it sends the results to the Ammut Network, and then it receives the reward based on the earning coefficient and the time spent to solve the task.

The Ammut network allows users to organize in sidechains in order to solve different tasks. For example, a team of doctors that need computing power to render a project: this team can convince a certain number of AmCU users to donate their power so that it can be used strictly for that task. Therefore, with the AmCU interface, users can temporarily direct their computing power to a pool. All of these operations can be administered through a smart contract for a seamless and secure experience.



2.3 Client Software

The client side of the Ammut software can be used to create tasks that will be sent to the Ammut Network. When a task is created, based on the available data in the Ammut Network, and based on the task difficulty, the price to complete the task will be calculated. After the task is sent to the network, the progress can be monitored. There is the possibility to create a new sidechain that can be used for that specific task. The minimum stake required to create a sidechain is 10,000 XAMM. After the task is finished or canceled the remaining coins can be withdrawn. Access to the sidechain can be made through authentication. The software handles the conversion of the tasks into suiting instructions that can be used inside the network. The software will also have an integrated secure wallet.

2.4 Token

XAMM is the native token of the AMMUT Ecosystem. It is offered via an ICO crowdsale as well as through private sales to users participating in the AMMUT Project to perform basic transactions within the AMMUT Ecosystem, such as payments and exchange of value with fiat and other cryptos. The XAMM token will be the only available payment method inside the ecosystem.

3.0 GLOBAL HIGH PERFORMANCE COMPUTING MARKET ANALYSIS

The global HPC market is expected to reach \$ 36.62 billion by 2020, with a CAGR of 5.45% and higher computing power, which will boost the growth of the high-performance computing market with the Region of Asia-Pacific (APAC), which is expected to grow faster and HPC servers gain the largest market share during the forecast period.

The HPC market is expected to grow in line with the annual growth rate of 5.45% during the 2015–2020 period. The Big Data phenomenon has increased the demand for systems that can handle workloads that require a lot of information. HPC clusters are systems that can easily handle large amounts of data and support high-performance data analytics. The improved data collection technology provides animated images for simulations, medicine, life sciences, video processing and other applications. All these applications require a greater processing capacity and speed for the analysis of data and results. Improved scanning capabilities, HDTV, multilayer scanning and better information-gathering capabilities are increasing the demand for more processors, and faster storage solutions offered through HPC and help the market.

The APAC market is growing and is the fastest growing region for the global HPC market. This is mainly due to the increasing willingness of market players to meet the demand for more processing power with faster and more reliable response time. On the other hand, the Middle East and Africa (MEA) are highlighting the growth phase, while Latin America is still in the phase of introduction in terms of adopting the HPC solution.



It is estimated that the HPC server market provides the largest market share in terms of component type. Storage, network devices and software solutions are also seen with better prospects in the coming years. Also, it is considered that the services market offers huge opportunities and that its compound annual growth rate (CAGR) is expected to increase significantly in the next five years.

Outstanding service providers in the HPC space include AMD, Cray, Cisco Systems, Intel Corporation, SGI, HP, Dell, IBM, Atos SE and Fujitsu, among others. With the rapid development of new technologies in the market, new service providers appear, especially in the field of cloud computing. Also, vendors focus on providing HPC solutions that have approached large data technologies. This latest trend is gaining momentum and growing.

The size of the HPC cloud market is expected to increase from \$4.37 billion in 2015 to \$10.83 billion in 2020. The market for The HPC cloud depends on factors such as the administration of complex applications, the appearance of a large data market and the adoption of a pay-per-use model. Companies such as IBM Corporation, Microsoft Corporation, Google, Dell, Amazon Web Services, Penguin Computing, Sabalcore Computing, Adaptive Computing, Gompute and Univa Corporation.

4.0 WHY CHOOSE AMMUT?

4.1 Value Proposition

This proposition does away with all existing challenges with meeting up operating costs or other concerns associated with the business of high computing tasks. The key elements of this value proposition include:


AmCU - By leveraging strategic technical partnerships with hardware manufacturers with regards to supply of the finalized prototype of AmCU, AMMUT delivers an efficient and secure ecosystem where both crypto enthusiasts and non-tech investors can engage.

Experience - The AMMUT board is made of a team of experienced industry players with several years of experience in the installation and handling of specialized hardware equipment.

By leveraging this experience, the AMMUT platform launches on a strong footing from the start as the board can avoid startup mistakes that could have cost the project in terms of financial and other losses.

Security - The AMMUT Project uses the latest security technology to protect its digital and hardware assets in order to deliver value to investors.

Technology - AMMUT will only use advanced hardware with cutting edge cooling and wiring solutions to optimize operating costs.



By investing in AMMUT, investors are assured of participating in a project that has the potential for market leadership in the nearest future. By taking part in the AMMUT ICO therefore, the investors get a chance to enjoy the opportunity to invest virtually. By investing in AMMUT, users get a chance to reap real value returns from the Blockchain phenomenon. Also, our token value might increase considerably due to our reinvestments and token buyback/burn program . This will increase the output per token and decrease token volume as explained in Token Buyback. It is estimated that the HPC server market provides the largest market share in terms of component type.

5.0 ICO

Initial Coin Offering:

This is a non-regulatory means of raising funds for a new company of cryptographic value. Start-up companies use the initial coin offering (ICO) to bypass a rigorous and regulated capital increase process required by venture capitalists or banks.

At AMMUT, we aim to offer a percentage of the XAMM tokens to our very first sponsors of this project in exchange for fiat currencies and Ethereum. The AMMUT ICO is the official medium of participating in the crowdsale. The ICO will have 3 phases with a maximum time of 3 months or until the hard cap is reached. The funds will be used for: logistics, marketing, employees and for the first series of AmCU devices.

AMMUT ERC20 Smart Contract

ERC-20 is the universal language that all tokens on the Ethereum network use. It allows one token to be traded with another. Every single financial output within the AMMUT ecosystem is distributed to the token holders through an Ethereum ERC20 smart contract.

5.1 Basic Token Features

Token Name:	AMMUT
Ticker:	XAMM
Token Standard:	ERC20
Total Supply:	300.000.000 Tokens
Hard Cap:	180.000 ETH
Accepted forms of payment:	ETH
Duration:	3 Months Max.

5.2 Token Distribution

Tokens sold in ICO: 180.000.000 (60%) in the following order:

- First stage, 60.000.000 XAMM - 1000 XAMM/ETH with 10% bonus
- Second stage: 60.000.000 XAMM - 1000 XAMM/ETH with 5% bonus
- Third Stage: 60.000.000 XAMM - 1000 XAMM/ETH

The other 40% of the tokens will be distributed as follows:

Private Sale: 30.000.000 XAMM for 4.000.000 USD (10%),

Team: 60.000.000 XAMM (20%),

Advisors 15.000.000 XAMM (5%),

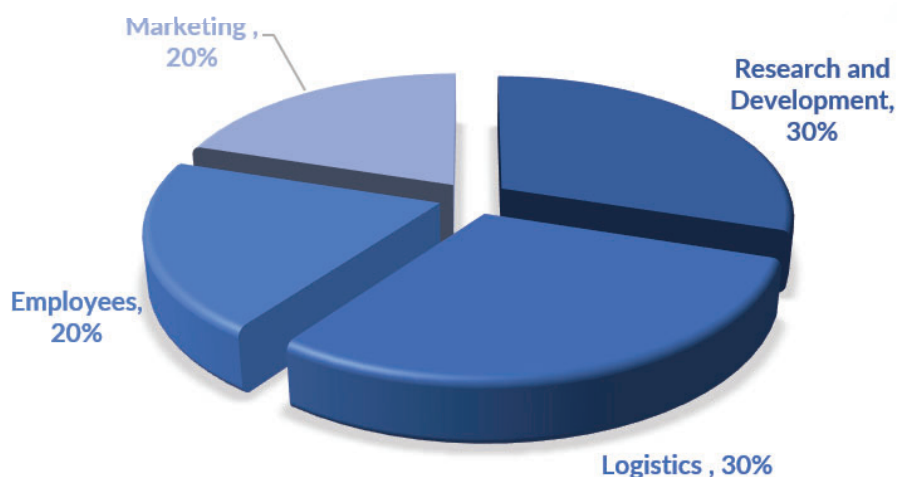
Reward programs 15.000.000 XAMM (5%)



5.3 ICO Funds Usage

This section aims to properly show how the funds raised from ICO will be utilized for the development of AMMUT.

- 30% Research and Development
- 30% Logistics
- 20% Marketing
- 20% Employees



5.4 Unsold Tokens

In the case that not all tokens will be sold, 50% of them will be burned. The other 50% will be used as a grant in order to fund research projects that hold significant importance. The funds will be granted upon a voting system. AMMUT software utilizes a voting system built directly into the wallet. Any network participant with a minimum stake in AMMUT of 5,000 XAMM can vote in a poll. Votes can be weighted using a user's XAMM balance. Alternatively, a poll can tally votes through a one-wallet-one-vote. A user can create a poll if he has a minimum stake of 10,000 XAMM tokens in his wallet.

The team will also burn a percentage proportional to the unsold tokens in the ICO. For example, if during the ICO only 20% of the tokens are unsold, the team will also burn 20% of their tokens.

5.5 Token Reward

The AMMUT platform will choose a month during Q1 2020 and Q1 2021. Users who want to participate in the Reward Program will have to register online. A snapshot will be taken on a date and in the next month, on the same day as the one the snapshot was taken, a reward will be given based on the amount in the wallet. Team members and advisors will not be allowed to participate. We will calculate how much percentage wise each registered wallet owns. Then, 50% of the bought back tokens, will be distributed percentage wise proportional to the amount in the wallet on the snapshot day. The other 50% of the bought back tokens will be burned.

Furthermore, buying back tokens from the market will depend on the market conditions and will be done at a market price. The token quantity will decrease, which will increase both value and output per token.

Roadmap



7.0 PROJECT SUMMARY

As a move towards providing real uses cases inside the blockchain ecosystem, AMMUT represents a timely intervention. By marrying Blockchain technology with the most innovating hardware technology and coupling it with a decentralized platform, AMMUT brings democracy to blockchain by providing an ecosystem which maximizes efficiency and minimizes costs. In effect, with AMMUT, the investors can have a respite from fears arising from teething problems in the cryptocurrency evolution.

The future of blockchain lies with innovation, and AMMUT is ready to lead the way.



8.0 LEGAL DISCLAIMER AND COIN RISKS

The purpose of this White Paper is to present AMMUT and its business model to potential token holders in connection with the proposed Token Launch. The information set forth herein may not be exhaustive and does not imply any elements of a contractual relationship. Its sole purpose is to provide relevant and reasonable information to potential token holders in order for them to determine whether to undertake a thorough analysis of the company with the intent of acquiring AMMUT (XAMM) tokens.

This document is not composed in accordance with and is not subject to, laws or regulations of any jurisdiction which are designed to protect investors. Certain statements, estimates and financial information contained in this White Paper constitute forward-looking statements or information. Such forward-looking statements or information involve known and unknown risks and uncertainties or the results implied or expressed in such forward-looking statements. Nothing in this White Paper shall be deemed to constitute a prospectus of any sort about the AMMUT Token Launch. The information contained herein may from time to time be translated into other languages or used in the course of written or verbal communications to existing and prospective customers, partners, etc. In the course of such translation or communication, some of the information contained herein may be lost, corrupted, or misrepresented. The accuracy of such alternative communications cannot be guaranteed.

This section of this white paper provides prospective investors insight into some risks involved with an ICO crowdsale.

RISK STATEMENTS

- The risk of failure to fund the project is present.
- The AMMUT Token (XAMM) may be influenced by market trends once listed on the exchanges. The value of XAMM may be influenced by events out of control of the cryptosphere, including fraud, legislative changes, tax treatment changes, new disruptive technologies, and organized crime.
- XAMM may not ever be tradable on the exchanges.
- The Tokens could also face the risk of limited or no liquidity in the market. Should this happen, you will not be able to sell your tokens on the exchanges.
- There are no guarantees that the Tokens will increase in value; volatility in the crypto exchanges means that the price of this Token might, at some point in the future, come down.
- AMMUT performance may be interrupted, suspended or delayed due to force majeure circumstances. For the purposes of this White Paper, force majeure shall mean extraordinary events and circumstances which could not be prevented by AMMUT and shall include: acts of nature, wars, armed conflicts, mass civil disorders, industrial actions, epidemics, lockouts, slowdowns, prolonged shortage or other failures of energy supplies or communication service, acts of municipal, state or federal governmental agencies, other circumstances beyond AMMUT's control, which were not in existence at the time of Token Launch.
- Cryptocurrencies make use of Blockchain technology, which is based on cryptographic encryption. Because it is a relatively new technology, the risk that one or more Blockchains will be defective is considerable. That can lead to malfunctioning and/or security breaches, and that in turn could result in a loss or the loss of value of the cryptocurrencies that make use of that Blockchain.

- AMMUT will do business with several counterparties, and the inability of these counterparties to meet their obligations (financial or otherwise) could have an adverse effect on its operational results and the value and/or output of the token.
- The tax consequences of a token and the output of a token, depending on personal circumstances and may be subject to changes in the future. Potential token holders are advised to seek legal and tax advice before acquiring tokens.
- Additional risks and uncertainties not known at present to AMMUT, or that AMMUT currently believes to be immaterial could also have a material impact on its business operations, the token and/or the output of the token.

Users located in the following countries are forbidden from participating in the Ammut ICO: Afghanistan, Albania, Belarus, Bosnia & Herzegovina, Burundi, Central African Republic, Cote d'Ivoire, Cuba, Democratic Republic of the Congo, Ethiopia, Guinea, Guinea-Bissau, Iran, Iraq, Lebanon, Liberia, Libya, Mainland China, Malaysia, Myanmar (Burma), North Korea, Republic of Macedonia (FYROM), Serbia, Somalia, South Sudan, Sri Lanka, Sudan, Syria, Thailand, Trinidad & Tobago, Tunisia, Uganda, Ukraine, United States of America (USA), Venezuela, Yemen, Zimbabwe