MEGACLITE
TROOPERS

A Video Game based on the Cardano Blockchain - NFT Project

Whitepaper

Megaclite Troopers

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Abstract

This whitepaper illustrates the Megaclite Troopers project from various perspectives and tries to provide an unbounded insight to the project - including goal and vision, funding, technology and methodology. As a project from the Cardano Community to the Cardano Community, the whitepaper aims to leverage Cardano specific knowledge to the core of the community and get community members involved in the project.

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Chapter 1

The Megaclite project

1.1 Introduction

Welcome to the Megaclite project. This paper will allow the reader to gain a solid information basis about the project and the vision of the Megaclite Troopers project. In the following sections, the paper will introduce the Cardano community to the goals, vision and the technical aspects of the project.

The Megaclite project consists of the following subprojects: Megaclite Troopers NFT drop, Megaclite Troopers video game and community networking. The subprojects are relying on each other, whereas the implementation of the Megaclite Troopers video game depends on a positive Community Interest Constraint Equilibrum (CICE).

1.2 Goal and Vision

The Megaclite projects goal, is not to be just a random blockchain project. Megaclite tries to showcase the Cardano blockchain functionalities and help the Cardano blockchain to get and to remain mainstream. Important - the journey is its own reward. In case of Megaclite, this means, that the knowledge gained along the road is the main desire. The goal is not just a Video Game, since there already exist millions of games around the world. Aiming to network, to develop, to gain knowledge and to improve the blockchain experience. With this setup, the Megaclite project is a pioneer, aiming to implement future Cardano blockchain integration projects.

1.3 Funding

The core funding and DevOps of the Megaclite Troopers NFT drop derives from private means of the founding members. The founding members see the Cardano blockchain shaping the future of the blockchain technology in such a dominant way, that investing their own funds and know-how into the Cardano based Megaclite project will help Cardano to become and establish itself as the leading blockchain. Nevertheless, increasing teams, rising costs and the goal to build a sustainable infrastructure, implies to set up an economical approach. Among others, this also means the project will open up for

funding. This gives the community the chance to participate in the project, as well as faciliate a healhy longterm funding.

1.3.1 Non-Fungible Token NFT Drop

As described in the section above, the Megaclite Troopers NFT Drop plays an essential role in building a long-lasting business. Where the core funds from the project founders have been used to setup and market the project. The funds raised from the drop will be used to strengthen the foundation, grow and to build the Megaclite Troopers video game (according to CICE).

It is important to explicitly state, that the development of the video game is the most costintensive part of the project. Not only do internal ressources need to be funded, also external partners, such as graphic designers or game developers have to be paid. From that point of reality, the Megaclite project introduced the CICE parameter, which permits the project to enter the video game production phase, only if there are enough funds and the project team managed to build a strong community, wanting the game to happen. Why this measure? This is to prevent a cost explosion from the game development, when there are hardly people interested in the game.

1.3.2 Community Interest Constraint Equilibrum (CICE)

As clearly outlined above, the funding of the core project is raised by the founding members. It includes, among others, cost for technical infrastructure, human resources, webdevelopment and webdesign, content creation, custom developments and marketing activities, just to name a few. As one can imagine, each of these cost centers are consuming loads of man hours and ADA.

Due to the expertise of the founding members, the funding for the first project phase, the Megaclite Troopers NFT Drop, is already completed. This means, the NFT drop will take place for sure. To enter the second project phase, the video game, it requires at least 1.500.000 ADA and a optimistic community acceptance. With other words this means, if less than the calculated target was reached and there is no significant interest from the community, the Megaclite project will remain at project phase 1, but still keep up the Megaclite Troopers NFT project. This approach ensures a sustainable project in any of both described cases.

To avoid a zero-demand & high-expense dilemma, we introduced the so called community interest constraint equilibrum(CICE), consisting of the following backbones.

Constraint	Description	Influenced / Assessed by
1	Non-Fungible Token funding >1.500.000 ADA	Community
2	Community impact	Megaclite Funding Team

This way, the Megaclite project is introduced in two phases. Phase One (NFT Drop, Marketing etc.), is beeing fully funded by the founding members. Depending on the

interest of the community and a positive CICE, Phase Two (Video Game), which is still being funded by the founding members, will receive additional funding by the NFT Drop. In case of a negative CICE, the NFT project remains upright and will use the funding from the drop to ensure the sustainability and security of the project. This two phase plan ensures a healthy and sustainable project in both scenarios. In case of a successfull CICE, it safeguards a solid and sustainable project funding. In case of a negative CICE, it ensures the professional continuation of the NFT project.

1. Non-Fungible Token Funding constraint

The Non-Fungible Token Funding constraint is the first and most important Community interest constraint. It was introduced from both, an economical and a sustainable point of view. It makes sure that the Megaclite project remains in an excellent financial situation. What should primarily be prevented is, that there are exorbitant high developing cost, with only little demand for a video game. In that case it would make more sense to strengthen and focus on the NFT project instead of creating sunk costs for a video game that nobody wants to play.

2. Community impact constraint

The second constraint is the community impact, which tries to answer the question, if there is enough interest within the Cardano community to realize the second phase of the project. This parameter is introduced, since the scenario may arise, that the funding from the drop is higher than the calculated target from the first constraint, but there is still little interest from the community to have a blockchain based video game. That might be, because there is simply more interest in the NFTs and potential gains, than in the game and the technology itself. Time has shown, that many investors are more up to gains than technology itself. In such a case, the project team preserves the right to change the priority of the project development.

Does the CICE concern the whole project?

The CICE is not impacting the entire project. The CICE is only impacting the development of the video game, which shall be developed in cooperation with a third party partner company. The Non-Fungible Tokens are not touched by the CICE in any way. This means, the NFT Drop for the Megaclite Troopers is already funded and developed by the funding team and will be delivered independently from the CICE. Any entity buying an NFT, will therefore receive an NFT in any cirumstances.

To summarize, if a user buys an NFT, he/her will definitely get the NFT. In case of a negative CICE, the user will still own the NFT.

1.4   Sustainability

One of the most important pillars is our long-living approach. The goal is to have a sustainable project, that can remain productive without foreign funding. That being

said, it is key to consolidate the knowledge gained along the road into new projects for enterprice customers. Apart from that, the continuous development of the project should increase the value of the NFTs.

1.5 Cardano Community and Project Catalyst

Since the founders of the Megaclite project have themselves been actively involved in the Cardano community for years, the community plays a big role in building the project. An important main focus is to educate the community in dealing with cryptocurrencies and NFTs and to impart knowledge. In addition, we want to participate in Project Catalyst to shape and drive the project together with the community.

Chapter 2

Technology

The technologies used for the implementation of Megaclite Troopers are the Cardano Blockchain and the file system IPFS. The reason why we have chosen these two technologies is that both of them meet the technological standards of today.

2.1 Cardano Blockchain

Cardano is a blockchain technology which uses the Proof of Stake consensus protocol. It is a third generation blockchain that addresses the problems of the first two generations - scalability, sustainability, and interoperability. In 2015, the platform began to be implemented, and in 2017, Cardano was officially released. In 2022, Cardano has already secured a place in the top 10 cryptocurrencies, ranked by market capital, and is a well-known name in the industry.

2.1.1 Why we chose the Cardano Blockchain?

There are several reasons why we use Cardano. As already mentioned, Cardano is a very well known and already renowned platform with a large community behind it. It already has a huge and active developer community that is pushing the blockchain adaptation with versatile projects. Furthermore, we like the transparency with which the Cardano Blockchain is being worked on. Users are regularly informed about development progress and are able to express their opinions to the development team via community forums. Another and also the most decisive reason is the simple and inexpensive way to mint and send NFTs for low transaction costs.

2.2 IPFS

The Megaclite Troopers NFT collection will be stored in an IPFS network. Due to that we have a decentralized art collection. This ensures the protection of the users property. When the NFT is minted, the IPFS path to the graphic is given in the metadata and is thus preserved on the blockchain.
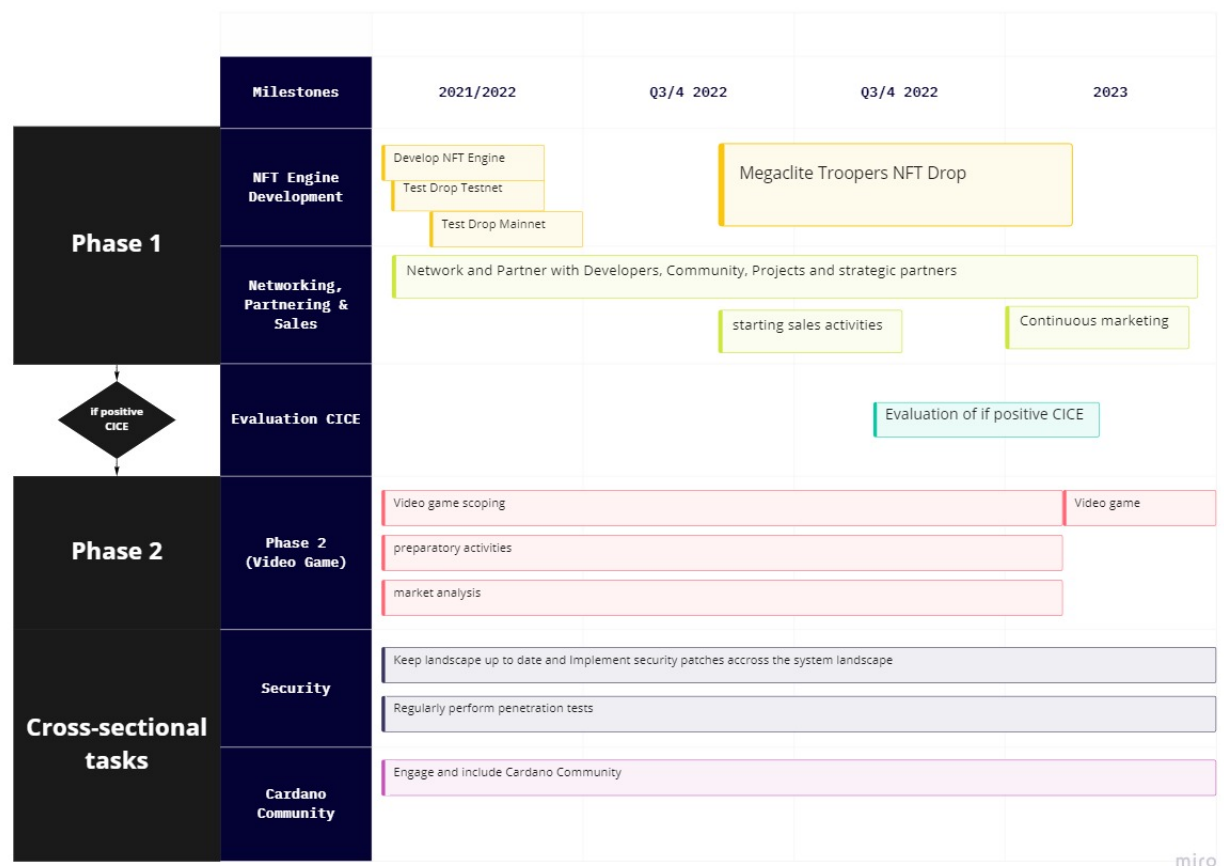
2.3 Fully automated NFT Engine

Initially, customers send the declared ADA amount to a wallet specified by us. Fully automated, an NFT is assigned to the sender address, the NFT is minted and sent back to the sender. If customers send less ADA than is actually requested, then it will of course be refunded. However, the transaction costs for the refund are not covered by us, but by the customer himself. If customers send more ADA than actually requested, then the difference to the actual price will not be returned, but kept by us and seen as a donation for the project.

2.4 Security

All along the project we have implemented specific security measures. The overall aim is the safety of our community. Beeing part of the Cardano and the Megaclite community should not only be a user experience, it should be also safe. There are plenty of actions already taken, which, due to security reasons, can not be shared publicly. Why not share the information on how the project is secured? The reason is, that attackers use methods like social engineering to gather such information.

Chapter 3

Roadmap

Milestones	2021/2022	Q3/4 2022	Q3/4 2022	2023
Phase 1 — NFT Engine Development	Develop NFT Engine / Test Drop Testnet / Test Drop Mainnet	Megaclite Troopers NFT Drop		
Phase 1 — Networking, Partnering & Sales	Network and Partner with Developers, Community, Projects and strategic partners	starting sales activities		Continuous marketing
Evaluation CICE			Evaluation of if positive CICE	
Phase 2 — Phase 2 (Video Game)	Video game scoping / preparatory activities / market analysis		Video game	
Cross-sectional tasks — Security	Keep landscape up to date and Implement security patches accross the system landscape / Regularly perform penetration tests			
Cross-sectional tasks — Cardano Community	Engage and include Cardano Community			

if positive CICE

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Chapter 4

Disclaimer

If you are on the hunt for a project that makes you rich, please look somewhere else, because Megaclite is not for you. The Megaclite project is a project aiming to stimulate and enlarge the adoption of the Cardano blockchain. There are NO and there WILL NOT BE ANY OBLIGATIONS towards any other party.