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# ALADIN

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# The Decentralized Internet of Value

June 2019 (V1.0)

“Among the obligations facing a community of entrepreneurs is to make accessible to a wider community the ideas it finds useful and important. A related obligation is to recognize lasting contributions to ideas and to honor their progenitors” –

Alvin E. Roth

Written by  
**ALADIN Team**

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## OVERVIEW

The internet has changed the world and the economy on a grand scale. While it came from humble beginnings, eventually the internet grew to a point that it became a part of almost every part of human society. However, while the internet began with the goal of decentralizing and democratizing access to information and communication, it has led to the creation of large technology companies which control the majority of internet information infrastructure.

In recent years, Blockchain has emerged as a solution to problems facing the internet. It brings the ability to decentralize the internet and limit the power of dominante tech giants to control the information infrastructure that has become crucial for the world economy and every individual on the planet.

Blockchain has tremendous promise to solves these challenges, however it also is facing challenges of its own. ALADIN was developed to solve these challenges and make sure blockchain reaches its full potential in creating a better internet for everyone.

ALADIN will ensure that using a blockchain based application will be no different than using a website or any application on the standard internet. ALADIN will simplify blockchain so that the user experience is the same as what internet users are used to already. It will make it truly accessible and as a result able to solve the problems facing the internet today. It also is bringing new capabilities to blockchain.

The ALADIN platform is designed to enable a scalable and secure framework to build the next generation of DApps (Decentralized Apps). A core limitation of current DApps is that they cannot import data from outside of the blockchain, they cannot store meaningful amounts of data on blockchain structures, and they lack an accessible user interface. This greatly limits the potential and range of applications.

We have taken our inspiration from the idea that when decentralized protocols can interact with the larger human world, they will be deeply useful to society. While current iterations have provided important value, we see the future as one where where decentralized networks can communicate effectively with data from anywhere to allow developers to do anything.

The goal of ALADIN is create the environment and the tools needed to create truly useful DaPPS. ALADIN will offer the ability to import data from external sources, decentralized storage with user controlled access and cryptographic verification, a DNS to allow the creation of a browser that allows users to navigate ALADIN like the internet, an App store that makes it easy to find and use new DaPPS, and a series of SDK tools to aid developers in building DaPPS.

We think this will provide the functionality that platforms have needed to truly make DaPPs work for users, and when DaPP's work for users it will change society and the economy as we know it.

## THE PROBLEMS WITH CURRENT PLATFORMS

1. Can't import data from external sources
2. DaPPS can't access user data since it cannot be stored on the blockchain
3. Blockchains are difficult to use, search, and access
4. There is nowhere to easily access DaPPS
5. DaPP networks can't perform enough transactions to meet the needs of applications
6. No transaction fees for DaPPS

## THE SOLUTION

### Aladin Gives Access to External Data

Aladin offers an innovative oracle solution that allows DaPPs to receive reliable data which comes from APIs or IoT sources. Any developer designing applications on Aladin can use this solution to make their DaPPs talk with the real world. This expands the number of application that are possible on Aladin by a huge margin as they are no longer restricted to limited data. Aladin also offers a fully transparent audit trail for all Oracle activities which provides the name of the smart contract, the input data, and output data.

### Aladin Provides a Solution for Data Storage

Aladin has a framework for data to be stored in user controlled locations while still being verified and authenticated on the main network. This means that DaPPs can now store and read data necessary to operations. Blockchains are limited by the data they can store, and become congested easily but with Aladin Decentralized Storage users can store data that they control while giving permission to which applications they allow to access what data- and they can revoke access at any time.

### Aladin Domain Naming System

Aladin features a domain naming system (DNS) that allows the blockchain to be browsable just like the internet. On Aladin you can register a wallet with an easy human-readable name. DaPPS can also have their own addresses. All of these domains will be able to be accessed through an Aladin browser. No more complicated addresses.

The Aladin DNS also allows each user to have their own unique user identity registered through the DNS. They will use this ID to interact with all DaPPS.

## Aladin Browser

The Aladin browser also provides a user experience that is what people are used to. Boot up the Aladin browser, type in your simple address, and use the application simply.

No more complicated DaPPS.

## Aladin is Scalable and Fast

Aladin utilizes a Graphene structure which gives it greatly increased speed, flexibility and scalability. Graphene is one of the fastest blockchain frameworks available and has been tested in a number of real world applications. It has the capacity to make real applications available to a global audience.

## DaPPs Shouldn't Have Transaction Fees

No one wants to pay to post on Twitter or search Google. No one wants to pay for every action they take on app. Fees incentive users using the app as little as possible. On Aladin, DaPP transactions have no transaction fee meaning they are always free.

## INTRODUCTION

It is in the interest of a fast growing community to adopt technologies that can scale and grow with community's needs and requirements. Technology that provided an initial solution for a small community will start to fail once that community scales and grows. Like the metaphorical bandage on a festering wound it must be ripped off and replaced with a solution that addresses and heals the underlying problem.

Without a doubt blockchain has unearthed major issues in our society that, up until this point, we didn't have adequate tools and methods to address. This paradigm shift towards a decentralized governance structure and trustless societies has become a mainstream discussion between everyone from politicians to taxi drivers.

The interest that Distributed Ledger Technology (DLT) has invoked is unprecedented in modern history and adoption rate scale up is staggering. Probably the most surprising and powerful aspect is the fact that there is no formal hierarchy, no centralized governance, no down-time, and no terms and conditions that need to be signed. Instead there is a pure meritocracy, where the best solutions and technologies rise above the tide in the DLT space to help users achieve their objectives.

It is in the light of this progress and adoption that we observe a new problem emerge: the problem of accessibility for a new group of users, the non tech-savvy majority. Current understanding of this new technology is attuned to a relatively small audience with a highly specialised skill set. In order to attract the masses to DLT technology a new spectrum of functionality needs to be added. Aladin's founders have in the past created and championed various new technologies ranging from SAAS models to cloud solutions and now want to enter the DLT space. With experiences gathered from previous technology ventures, Aladin aims to attract and scale much broader user models by creating a faster, more secure and easy to use ecosystem with practical use models and functionality.

## STATE OF THE MARKET

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Following the enthusiasm of 2017 we watched tremendous disillusionment grip the minds of users and the market itself. Despite the changing sentiment, more progress was made in 2018 than we could have dreamed of. The core protocols of the leading cryptocurrency projects progressed far beyond their development when euphoria gripped the market, institutions began committing serious resources to working with the sector, and so many dedicated projects kept their heads down and kept building the solutions they believed would bring real value to the world.

The Aladin project kicked off in the summer of 2017 and kept pushing forward since then. While conditions are better now, during the last year we proved that the Aladin project could withstand adversity. We believe that 2019 will be the year that all of the efforts of the entire cryptocurrency world will really produce large scale impacts beyond anything which has previously occurred.

In the last decade we have seen numerous companies with a simple and strong idea quickly grow into enormous multi-billion dollar global platforms. As examples Uber, Facebook, Airbnb, Lyft all had at their core the intention to provide a platform that creates low user cost, high value for their communities and users. The value of these platform networks is derived from the participation of the community by exchanging utility[ref]. As each of these companies started with an ideology in mind, eventually they grew out to become monoliths with centralized hierarchies, enormous overhead and costs at the expense of their consumer. We believe that adaptable decentralized frameworks will provide the foundation on which entrepreneurs will build solutions that connect people and resources. In this whitepaper we'll discuss the ideology of Aladin and how it can improve the world for the better.

## APPLICATIONS OF ALADIN

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At its core Aladin is a network that will impact anything which needs to operate in a decentralized environment. It is a new approach to how applications are managed over the internet. Aladin provides the capacities that applications use on the internet and brings them to a decentralized network.

We can't begin to list all of the potential uses for the Aladin platform but we can describe a few applications that we see Aladin being a perfect fit for.

### Insurance and Conditional Payments

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Aladin offers the functionality necessary to trigger pre-determined payments based off real world outcomes. One of the most common ways to visualize this is insurance. Insurance functions on a contract between two parties to make a payment given specific outcomes. Using the Aladin platform purchasers of all types of insurance (home insurance, flight insurance, shipping insurance, etc) can know that the insurance provider must make the payment given a specific outcome. In the example of flight insurance, our oracle can feed the insurance smart contract the exact time of flight arrival and the smart contract will distribute or withhold payments based on the time.

However, Aladin can be used for any type of conditional payment from business contracts to betting. These

payments can even be two sided. The benefit of using a decentralized framework for conditional payments is trust. Trust that these payments are guaranteed to be made. However, it is only possible given a reliable source of data based on external events, which is one reason Aladin has strived to make an oracle service a core part of the platform.

## Encrypted Sharable Verifiable Data

Controversies over personal data have been discussed constantly due to scandals involving Facebook, Equifax, and other companies that have mismanaged user data. Users have no right to their own data and no say in how its used and especially no way they benefit from the profits made using the data.

Aladin offers a new approach to data that allows users to truly own their data while having the autonomy to choose which services can access that data. Aladin allows access to the data to be revoked by the users at anytime. Additionally, the platform ensures that the authenticity can be cryptographically verified at any time.

So maybe personal data sharing tools will be built, maybe decentralized password managers, maybe photograph verification applications, but all we really know is the possibilities are vast.

## An Internet of (d)Applications

Ultimately, if you want to think of Aladin as one thing- think of it as an internet of applications. It will be a network that hosts useful services that people need to use. A network that allows communication to the internet and other blockchains, a new type of internet.

Much like an internet Aladin will be browsable and searchable. Every application will have its own human readable address and the network will be able to be accessed through a browser. Aladin will feature an easy to use app store for developers to host their applications and for users to access them. We hope this will be the user interface that blockchain deserves.

## DEVELOPER FOCUSED

Aladin is built with developers in mind. Throughout the development process we have always considered the developers experience, and asked the question about how can we make it better?

This is one reason we have included a built in Oracle system into the Aladin network, we want this tool to be available for developers, not to ask them to build their own.

It is also why Aladin is built to include an SDK (Software Development Tool Kit) for developers and an easy access DaPP store to help developers monetize their applications appropriately.

However, what we are most proud of us is the direct way Aladin will reward and incentivize developers to build the best applications on Aladin. A portion of the block reward, 25%, will be distributed to developers in proportion to how popular their applications are on the network. We think this aligns the incentives to make sure Aladin is the best place to build applications.

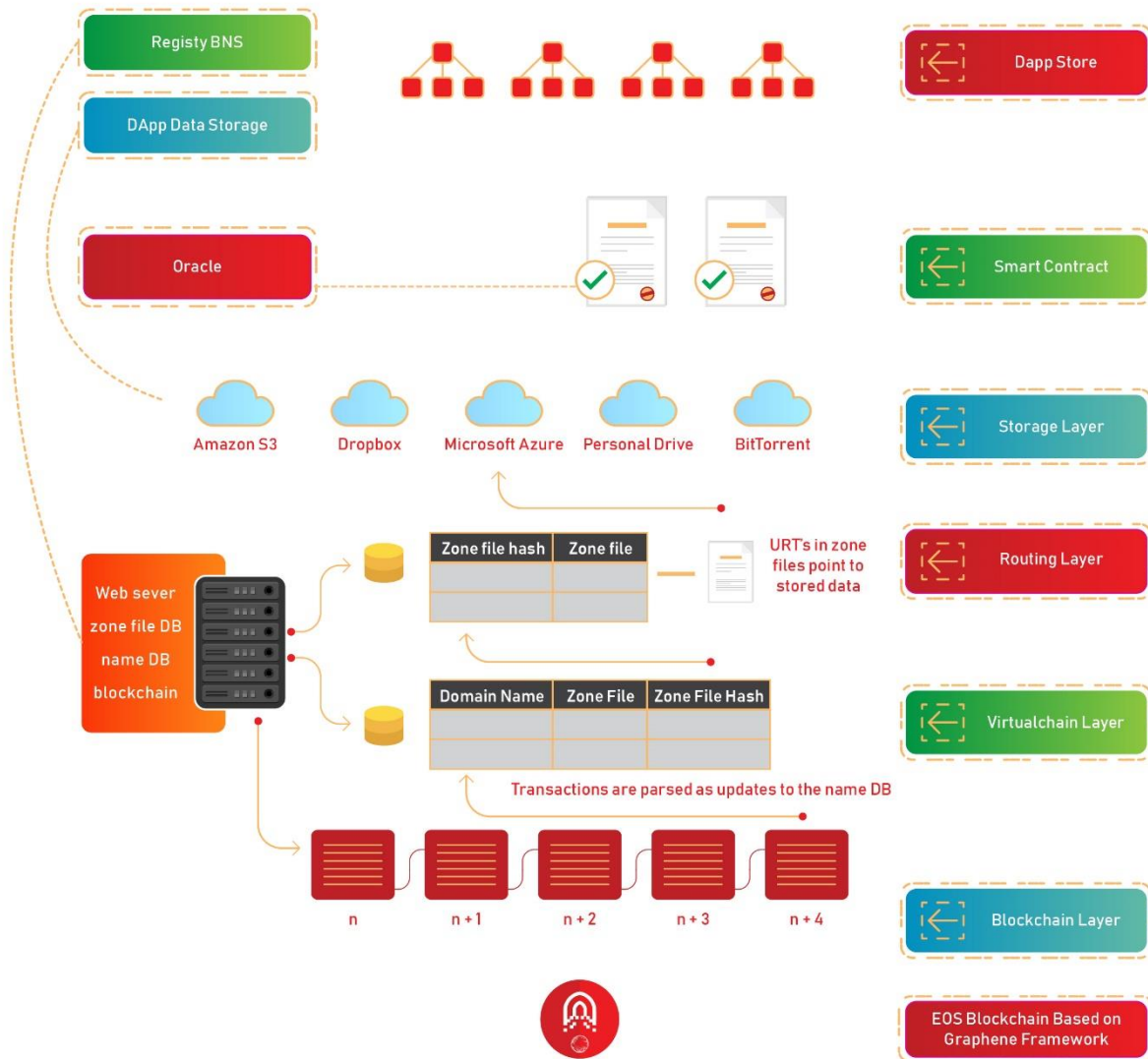
We have thoroughly studied other platforms and are confident that between the tools and incentives that



Aladin offers, it is more developed focused than any other network.

## TECHNOLOGY

### MCM Architecture

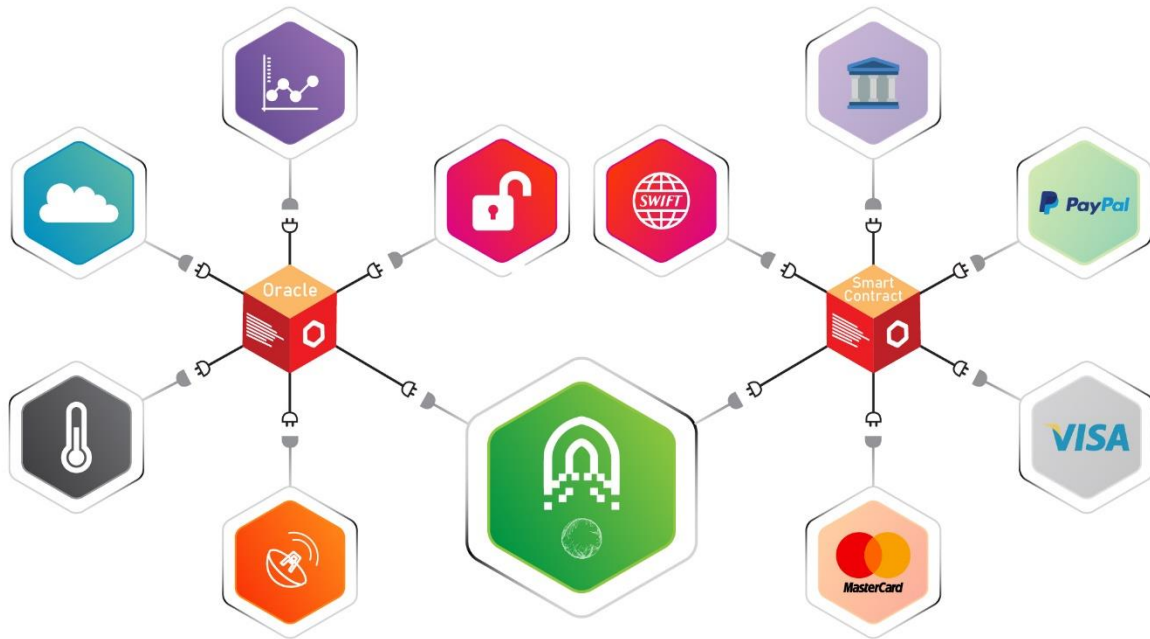


The Aladin platform boasts the following capacities:

1. Transaction speed > 4000Tx/s
2. Finality 1 seconds
3. Identity (KYC/AML)
4. Smart Contracts
5. Decentralized Data Storage
6. Multi-signature transactions
7. DNS System
8. IoT Integration
9. SDK Tools for Developers
10. SDK Tools for Developers

## 5. Data oracle

### DATA ORACLE



Current blockchain cannot access any data outside of themselves. This creates huge engineering challenges and limits the creation of many different types of applications.

Aladin features a native oracle smart contract that allows data to be requested from external APIs and IoT sources. The built in oracle is universal and can request data from any API or IoT source that a developer specifies.

The oracle features a full audit trail which allows users and the community to verify which data was sent and confirm accuracy.

The Aladin Data Oracle is the easiest to use for any developer and can be integrated into any application with limited development effort.

## ● ROBUST APPLICATIONS

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Current blockchains provide almost no usable storage. This is a tremendous challenge for applications as they can only use extreme small amounts of data, usually only enough for numerical values. While this works for functions like currency, it limits higher level functions that would enable more complicated and useful applications.

The Aladin platform can allow developers to create truly useful applications due to its decentralized data storage. Applications will be able to store and reference data, and users will be able to authenticate the usage of their data to applications.

This will enable the storing and sharing of media and the referencing of more complicated operations via applications on the Aladin network.

## ● UNIQUE USER ID

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Current blockchains rely on complicated alphanumeric addresses to enable monetary communications between participants. This is far more complex than the internet and out of most users' comfort zone.

Aladin DNS allows users to create a unique user ID they can use to manage everything on the network.

This is a simple human readable account.

Every new user will need to register a unique ID. Registering a user ID incurs a fee which must be paid in Aladin. The coins used to register an ID are burned and permanently destroyed, reducing supply.

The DNS system also will allow Aladin to feature its own browser so users can navigate the blockchain just like the internet.

To register a DNS name users must pay a fee in Aladin. The coins which are used to pay the fee are burned and permanently destroyed reducing supply.

## ● CONSENSUS PROTOCOL

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Aladin utilizes the DPOS (delegated proof of stake) consensus protocol to provide optimal speed and scalability. DPOS functions by allowing all users who own Aladin tokens to cast votes for certain nodes to be elected as block producers. Block Producers are responsible for validating transaction and producing blocks. There are 21 elected Block Producers at any one time.

Block Producers are responsible for providing the computational and storage resources of the network. They process all transactions, provide all computation for smart contracts, and each store a full copy of the network.

Block Producers are compensated for their work and their resources by receiving a block reward composed of newly created tokens.

## ● FIRST TRULY SUBSIDIZED NETWORK

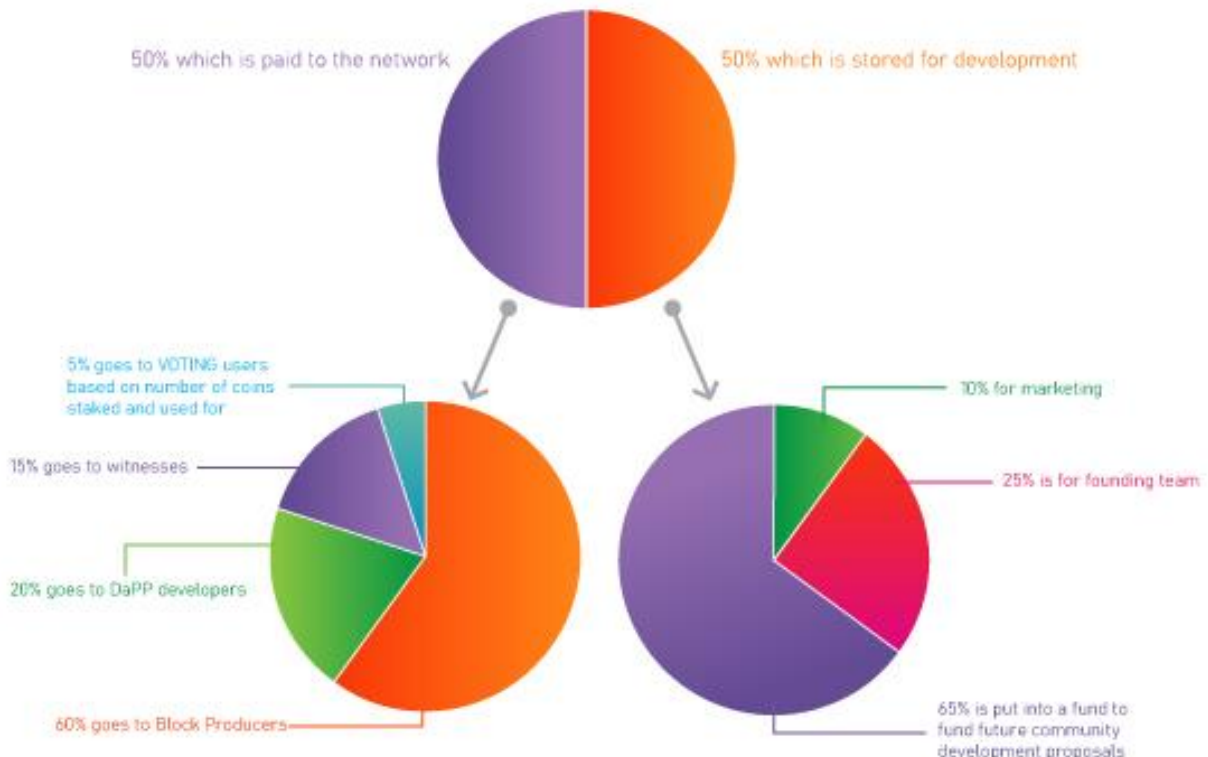
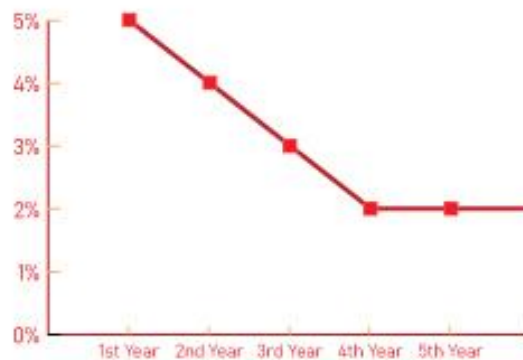
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The Aladin network is the first blockchain to provide economic rewards to all participants in the network (users, developers, and nodes). Every network participant has the ability to earn rewards for their participation, because all of our users make the network thrive.

Incentivizes are used to ensure our users vote and contribute to electing the best nodes and witnesses for our networks security and scalability. They are also utilized to attract the best developer talent to the network so that Aladin can be the future of decentralized applications.

## BLOCK REWARD

The Aladin network creates new Aladin tokens per year to reward block producers, developers, and users. During the first year the network will feature 5% new coin inflation and this amount will decrease by 1% per year until it reaches 2%. Additionally, during the 1st year of network operations 44% of the community development fund reward will be distributed to nodes to ensure a higher profit margin and resistance to volatility for early node operators



Aladin will also feature charges for DNS and ID features which will be paid in Aladin. These tokens will be burnt, and permanently destroyed reducing supply.

Block Producers receive their reward for providing crucial services to the network. The Block Producers

which contribute more resources receive a greater reward, but each Block Producer is guaranteed a favorable minimum amount.

DaPP developers receive their portion of the block reward based on a combined average of the number of users of their DaPP and the total monetary volume of transactions.

Users can receive part of the block reward by staking tokens and using them for voting. User rewards are based off the number of votes each user cast, and every coin offers the ability to vote once it has been staked for 9 days. Every 30 days 5% of the total block reward over those 30 days is distributed to addresses who cast votes over that 30 day period. The amount of tokens received is adjusted based on the number of votes over 30 days.

## **RAM**

Aladin also uses RAM as a resource on the blockchain. Developers and users must stake RAM in proportion to the amount of network resources they use on the network.

This is one mechanism by which Aladin is able to offer free transactions while protecting against spam and overuse of the network.

## **STAKING**

Block Producers must stake 100,000 Aladin in order to be a Block Producers and to be eligible to receive votes.

DaPP developers must stake a number of Aladin coins in proportion to the amount of network resources their DaPP is using.

Users can choose to stake coins in order to receive part of the block reward.

All forms of staking are only required for as long as the party wants to participate in the function they are staking for, and can be removed when the party is done utilizing that function.

In order to vote users must stake coins for atleast 9 days.

## **TRANSACTIONS**

All Aladin transactions are free. There are no transaction fees for any transaction.

However, whenever users make a transaction using another coin which is not Aladin coin, they must allocate an amount of Aladin (between .01% and .05%) which is sent to the recipient. This Aladin is not taken by the network as a transaction fee, but is instead transferred to the recipient.

This ensures that the average users should hold several Aladin coins in order to use all functions of the network.

## ALADIN TOKEN

The Aladin token is issued on the Aladin blockchain and has a starting supply of 800 million. Over the first year new coins will be issued at a rate of 5% to compensate nodes, developers, users and fund platform development.

This inflation rate will decrease by 1% each year until it reaches 2% where it will remain.

The Aladin Blockchain will have a development fund to support platform and ecosystem growth. The fund is supported by the block reward and users will vote to approve proposals for use of funds.

## GO TO MARKET STRATEGY

### Marketing approach

The Aladin coin will be marketed through traditional channels to as broad an audience of potential users in the product markets identified as possible. In some cases and where appropriate we intend to partner with existing vendors as a value add to existing sales channels.

Loyalty/rewards partnerships, frequent flyer miles programmes and other ecosystem opportunities will be evaluated and if valuable for our token holders, explored for value and synergies.

In the majority of cases the Aladin coin will create a transactional ecosphere around which users will profit from using the Aladin currency within new networks.

A primary channel for Aladin is reaching out to developers and informing them of our highly incentivized offerings for creation of new applications on the Aladin network.

### Communications strategy and execution

Aladin Coin will communicate with customers and markets primarily through digital channels. As a modern cryptocurrency Aladin will take advantage of modern trading advantages not accessible by fiat currencies and earlier generations of online platforms.

We intend to launch a sizeable presence across appropriate social media, engage public relations experts for campaigns on specific verticals and will be adopting a gradual increase in presence as the Aladin offerings mature.

# ROADMAP

## ALADIN Road Map





## References

### Objective

- <https://www.hlinsurancelaw.com/2017/01/us-how-distributed-ledger-technology-might-grow-in-the-insurance-industry/>
- <https://adrian.hopebailie.com/the-power-of-conditional-payments-2d1ea531250a>
- <https://medium.com/@FireLottery/how-blockchain-will-revolutionize-the-lottery-853afcb6dc74>
- <https://www.blockchain-council.org/blockchain/blockchain-can-used-auctions-works/>
- <https://blog.salesandorders.com/blockchain-technology-ecommerce>
- <https://www.nasdaq.com/article/why-social-media-platforms-should-be-turning-to-the-blockchain-cm949750>

## TOKEN SWAP TERMS & CONDITIONS

The following Terms and Conditions (“Terms”) govern the sale of ALADIN cryptographic tokens (“ALADIN”) to crowdsale participants (“Purchasers” collectively, and “Purchaser” individually). This document describes the initial sale in which the ALADIN team (“ALADIN team”) will operate. It is not a solicitation for investment and does not pertain in any way to an offering of securities in any jurisdiction. Individuals, businesses, and other organizations should carefully weigh the risks, costs, and benefits of acquiring ALADIN early in the initial sale versus waiting to purchase ALADIN on open, third-party exchanges.

### IMPORTANT

ALADIN is not a security. Ownership of ALADIN carries no rights express or implied. Purchases of ALADIN are non-refundable. Purchasers should have no expectation of influence over governance of the ALADIN Platform. By participating in the sale of ALADIN, you expressly acknowledge and represent that you have carefully reviewed the Terms and fully understand the risks, costs, and benefits of purchasing ALADIN and agree to be bound by these Terms. As set forth below, you further represent and warrant that, to the extent permitted by law, you are authorized to purchase ALADIN in your relevant jurisdiction, are of a legal age to be bound by these Terms, and will not hold liable for any losses or any special, incidental, or consequential damages arising out of, or in any way connected to the sale of ALADIN, now or in the future, ALADIN and its affiliates, and the officers, directors, agents, joint ventures, employees and suppliers of ALADIN or its affiliates, including Tiger Managing Services Ltd.

### WARNING

DO NOT PURCHASE ALADIN IF YOU ARE NOT AN EXPERT IN DEALING WITH CRYPTOGRAPHIC TOKENS AND BLOCKCHAIN-BASED SOFTWARE SYSTEMS. Purchases of ALADIN should be undertaken only by individuals, entities, or companies that have significant experience with, and understanding of, the usage and intricacies of cryptographic tokens, like bitcoin (“BTC”), and blockchain based software systems. Purchasers should have functional understanding of storage and transmission mechanisms associated with other cryptographic tokens. While the ALADIN Team will be available to assist Purchasers of ALADIN during and after the sale, the ALADIN Team will not be responsible for lost BTC or ALADIN resulting from actions taken by, or omitted by Purchasers. Note, in particular, that ALADIN Purchasers should take great care to write down their wallet password and not lose it so as to be sure that they will be able to access their ALADIN when it becomes available after the initial sale. If you do not have such experience or expertise, then you should not purchase ALADIN or participate in the pre-sale of ALADIN. WARNING: CRYPTOGRAPHIC TOKENS MAY EXPERIENCE EXTREME PRICE VOLATILITY. ALADIN tokens do not represent any formal or legally binding investment. Cryptographic tokens that possess value in public markets, such as BTC, have demonstrated extreme fluctuations in price over short periods of time on a regular basis. A Purchaser of ALADIN should be prepared to expect similar fluctuations, both down and up, in the price of ALADIN denominated in BTC or United States dollars (“USD”) or currencies of other jurisdictions. Such fluctuations are due to market forces and represent changes in the balance of supply and demand. ALADIN Team cannot and does not guarantee market liquidity for ALADIN and therefore there may be periods of time in which ALADIN is difficult to buy. Additionally, due to different regulatory dictates in different jurisdictions and the inability of citizens of certain countries to open accounts at exchanges located anywhere in the world, the liquidity of ALADIN may be markedly different in different countries and this would likely be reflected in significant price discrepancies. By purchasing ALADIN, you expressly acknowledge and represent that you fully understand that ALADIN may experience volatility in pricing and will not seek to hold any of the ALADIN Team Parties liable for any losses or any special, incidental, or consequential damages arising from, or in any way connected to, the sale of ALADIN.

WARNING: THE PURCHASE OF ALADIN ENTAILS A NUMBER OF RISKS.

The purchase of ALADIN carries with it a number of risks. Prior to purchasing ALADIN, you should carefully consider the risks listed below and, to the extent necessary, consult an appropriate lawyer, accountant, or tax professional. If any of the following risks are unacceptable to you, you should not purchase ALADIN. By purchasing ALADIN, and to the extent permitted by law, you are agreeing not to hold any of the ALADIN Team Parties liable for any losses or any special, incidental, or consequential damages arising from, or in any way connected, to the sale of ALADIN, including losses associated with the risks set forth below.

## TERMS AND CONDITIONS

### 1. Overview of Initial Sale of ALADIN

The ALADIN Team will produce a quantity of ALADIN in a pre-sale event called the initial sale, to be conducted on its web site at <https://ALADIN.io> ("the initial sale"). Purchasers in the initial sale will acquire ALADIN in exchange for BTC, ETH and Fiat money at the USD value of each investment at the time of investment. Purchasers of ALADIN in the initial sale will be granted user accounts on the website that will enable them to claim their purchase at the end of the initial sale. All ALADIN pre sold in this manner will be created on the Ethereum networks after the end of the initial sale, although there are no guarantees that this will occur within a given timeframe. ALADIN purchased with ETH will be created on the Ethereum blockchain. ALADIN Team will allocate the purchased ALADIN to the corresponding user account on the web site, delivering it to their control.

### 2. ALADIN Pricing

Based on the performance of other recent blockchain projects ALADIN management has determined that this initial sale shall be partitioned and sold at decreasing discount rates as the sale proceeds. Full details about these price points will be provided in a timely manner to Purchasers in the initial sale and will be available on the website at the time of purchase.

### 3. Disclosure of Purchases

To enable ALADIN Purchasers to have as much information as possible to guide their decision-making process, ALADIN Team will disclose in real time the total funds collected in the ALADIN initial sale to enable the Purchaser to develop an understanding of the size of the existing ALADIN funding pool at the time of their ALADIN purchase.

### 4. Purchase of ALADIN from the ALADIN.io Website

ALADIN Team will maintain a store interface, which can be used to purchase ALADIN. The store interface will be available on the ALADIN website (<https://ALADIN.io>). Instructions for purchasing ALADIN with BTC and other cryptocurrencies using the store interface will be embedded and available for review on the ALADIN website during the duration of the initial sale. Failure to follow these instructions may limit, delay, or prevent a Purchaser from obtaining ALADIN.

### 5. Obligation to Determine If Purchaser Can Purchase ALADIN in Purchaser's Jurisdiction

It is the responsibility of each potential Purchaser of ALADIN to determine if the Purchaser can legally purchase ALADIN in the Purchaser's jurisdiction.

### 6. Acceptance of Terms and Conditions of the ALADIN Sale

As a first step in the purchase process, ALADIN Team will present the Purchaser with these Terms, and associated documents. By placing an order for ALADIN, the Purchaser: (i) consents and agrees to the Terms; (ii) represents and warrants that the Purchaser is legally permitted to purchase ALADIN in the Purchaser's jurisdiction; (iii) represents and warrants that the Purchaser is of a sufficient age to legally purchase ALADIN or has received permission from a legal guardian who has reviewed and agreed to these Terms; (iv) represents and warrants that the Purchaser will take

sole responsibility for any restrictions and risks associated with the purchase of ALADIN as set forth below; and (v) represents and warrants that the Purchaser has an understanding of the usage and intricacies of cryptographic tokens, like BTC, and blockchain-based software systems.

#### 7. Receipt of ALADIN and the Purchase Email

As part of the purchase process, and in order to purchase ALADIN, a Purchaser will need to provide an email address (the "Purchase Email"). The Purchase Email will be used to email the Purchaser a notice of the creation of the Purchaser's account on its website. By purchasing ALADIN, and to the extent permitted by applicable law, the Purchaser agrees not to hold any of the ALADIN Team Parties liable for any losses or any special, incidental, or consequential damages arising out of, or in any way connected to, Purchaser's failure to secure their account.

#### 8. ALADIN Will Only Be Available For Sale on the ALADIN Website

ALADIN Team will only sell ALADIN through the ALADIN website, available at <https://ALADIN.io>. To the extent that any third-party website or service offers ALADIN for sale during the initial sale or facilitates the sale or transfer of ALADIN in any way during the initial sale, such third-party websites or services are not sanctioned by ALADIN Team or its affiliates and have no relationship in any way with the ALADIN Team Parties. As a result, ALADIN Team prohibits the use of these third-party websites or services for the purchase of ALADIN prior to the end of the initial sale.

#### 9. Fraudulent Attempts to Double Spend BTC

ALADIN Team will monitor all potential transactions for fraudulent attempts to double spend BTC. Any detected double spend of BTC will result in no ALADIN being delivered to the associated Purchaser.

#### 10. Certain Risks Associated with the Purchase of ALADIN

The purchase of ALADIN carries with it significant risk. Prior to purchasing ALADIN, the Purchaser should carefully consider the below risks and, to the extent necessary, consult a lawyer, accountant, and/or tax professionals prior to determining whether to purchase ALADIN. i.It is possible that the value of BTC will drop significantly in the future, depriving ALADIN Team of sufficient resources to continue to operate. ii.ALADIN will be stored in a wallet, which can only be accessed with a password selected by the Purchaser. If a Purchaser of ALADIN does not maintain an accurate record of their password, this may lead to the loss of ALADIN. As a result, Purchasers must safely store their password in one or more backup locations that are well separated from the primary location. In order to access one's ALADIN the password that the Purchaser entered is required; loss of this may lead to the loss of a Purchaser's ALADIN. iii.Any third party that gains access to the Purchaser's Purchase Email may be able to gain access to the Purchaser's ALADIN. The Purchaser must take care not to respond to any inquiry regarding their purchase of ALADIN, including but not limited to, email requests purportedly coming from the ALADIN.io website or a similar-looking domain. iv.Cryptocurrencies have been the subject of regulatory scrutiny by various regulatory bodies around the globe. The ALADIN Platform and ALADIN Team could be impacted by one or more regulatory enquiries or regulatory action, which could impede or limit the ability to continue to develop the ALADIN Platform. v.It is possible that the ALADIN Platform will not be used by a large number of external businesses, individuals, and other organizations and that there will be limited public interest in the use of peer-to-peer currencies for casino gambling. Such a lack of interest could impact the development of the ALADIN Platform. ALADIN Team cannot predict the success of its own marketing efforts or the efforts of other third parties. There is no guarantee of revenues or profits resulting from the marketing activities of the ALADIN Team. vi.The Purchaser recognizes that the ALADIN Platform is currently under development and may undergo significant changes before release. The Purchaser acknowledges that any expectations regarding the form and functionality of the ALADIN Platform held by the Purchaser may not be met upon release of the ALADIN Platform, for any number of reasons including a change in the design and implementation plans and execution of the implementation of the ALADIN Platform. vii.The Purchaser understands that while the ALADIN Team will make reasonable efforts to complete the development, it is possible that an official completed version of the ALADIN Platform may not be released and there may never be an operational ALADIN Platform. viii.Hackers or other groups or organizations may attempt to

steal the BTC and cryptocurrency revenue from the initial sale, thus potentially impacting the ability of ALADIN Team to promote the ALADIN Platform. To account for this risk, ALADIN Team has and will continue to implement comprehensive security precautions to safeguard the BTC and cryptocurrency obtained from the sale of ALADIN. Multi-factor security measures will be taken to protect cryptocurrency and ALADIN including but not limited to physical elements, multi-signature keys, splitting of funds, hot/cold wallet partitioning and diversification. Moreover, regular security audits of hot and cold wallets will be conducted by internal and external teams. ix. Advances in code cracking, or technical advances such as the development of quantum computers, could present risks to cryptocurrencies and the ALADIN Platform, which could result in the theft or loss of ALADIN. To the extent possible, ALADIN intends to update the protocol underlying the ALADIN Platform to account for any advances in cryptography and to incorporate additional security measures, but cannot it cannot predict the future of cryptography or the success of any future security updates. x. As with other cryptocurrencies, the blockchain used for the ALADIN Platform is susceptible to mining attacks, including but not limited to double-spend attacks, majority mining power attacks, "selfish-mining" attacks, and race condition attacks. Any successful attacks present a risk to the ALADIN Platform and expected proper payment operations. xi. The loss or destruction of a private key by ALADIN Team used to access may be irreversible. ALADIN Team's loss of access to its private keys or a data loss relating to ALADIN Team could adversely affect the value of ALADIN Platform. xii. ALADIN Platform is a new product, thus contributing to price volatility that could adversely affect the value of ALADIN. The factors affecting the further development of the digital assets industry, as well as the ALADIN Platform, include: a) continued worldwide growth in the adoption and use of ALADIN and other digital assets; b) government and quasi-government regulation of ALADIN and other digital assets and their use, or restrictions on or regulation of access to and operation of the ALADIN Platform or similar digital asset systems; c) the maintenance and development of the software of the ALADIN Platform; d) changes in consumer demographics and public tastes and preferences; e) the availability and popularity of other similar products; and f) general economic conditions and the regulatory environment relating to the ALADIN Platform and digital assets. xiii. Intellectual property rights claims may adversely affect the operation of the ALADIN Platform. Third parties may assert intellectual property claims relating to the holding and transfer of digital assets and their source code. Regardless of the merit of any intellectual property or other legal action, any threatened action that reduces confidence in the ALADIN Platform's long-term viability or the ability of end-users to hold and transfer ALADIN may adversely affect the value of ALADIN. Additionally, a meritorious intellectual property claim could prevent end-users from accessing the ALADIN Platform or holding or transferring their ALADIN. xiv. Cryptocurrency exchanges on which ALADIN may trade may be relatively new and largely unregulated and may therefore be more exposed to fraud and failure than established, regulated exchanges for other products. To the extent that the cryptocurrency exchanges representing a substantial portion of the volume in ALADIN trading are involved in fraud or experience security failures or other operational issues, such cryptocurrency exchange failures may result in a reduction in the price and can adversely affect the value of ALADIN. A lack of stability in the cryptocurrency exchanges and the closure or temporary shutdown of cryptocurrency exchanges due to fraud, business failure, hackers or malware, or government-mandated regulation may reduce confidence in the ALADIN Platform and result in greater volatility in the price. xv. Political or economic crises may motivate large-scale sales of ALADIN, which could result in a reduction in the price and adversely affect the value of ALADIN. Digital assets such as ALADIN, which are relatively new, are subject to supply and demand forces based upon the desirability of an alternative, decentralized means of transacting, and it is unclear how such supply and demand will be impacted by geopolitical events. Large Scale sales of ALADIN would result in a reduction in the price. xvi. It is possible that a digital asset other than ALADIN could have features that make it more desirable to a material portion of the digital asset user base, resulting in a reduction in demand for ALADIN, which could have a negative impact on the use and price of ALADIN. It is possible that a comparable product could become materially popular due to either a perceived or exposed shortcoming of the ALADIN Platform that is not immediately addressed by the ALADIN Team, or a perceived advantage of a comparable product that includes features not incorporated into the ALADIN Platform. If this product obtains significant market share, it could have a negative impact on the demand for, and price of, ALADIN. xvii. ALADIN transactions are irrevocable and stolen or incorrectly transferred ALADIN may be irretrievable. As a result, any incorrectly executed ALADIN transactions could adversely affect the value of ALADIN. Cryptocurrency transactions are not, from an administrative perspective,

reversible without the consent and active participation of the recipient of the transaction or, in theory, control or consent of a majority of the processing power on the host blockchain platform. Once a transaction has been verified and recorded in a block that is added to the blockchain, an incorrect transfer of ALADIN or a theft of ALADIN generally will not be reversible and there may be no compensation for any such transfer or theft. Such loss could adversely affect the value of ALADIN. xviii. Some ALADIN tokens may be issued on the Ethereum blockchain. As such, any malfunction or unexpected functioning of the Ethereum protocol may impact the Purchaser's ability to transfer or securely hold ALADIN. Such impact could adversely affect the value of ALADIN. xix. It is possible that, due to any number of reasons, including without limitation the failure of business relationships or marketing strategies, that the ALADIN Platform and all subsequent marketing from the money raised from the same of ALADIN may fail to achieve success.

#### 11. All Purchases of ALADIN Are Non-Refundable

ALL PURCHASES OF ALADIN ARE FINAL. PURCHASES OF ALADIN ARE NON-REFUNDABLE. BY PURCHASING ALADIN, THE PURCHASER ACKNOWLEDGES THAT NEITHER ALADIN Team NOR ANY OTHER OF THE ALADIN Team PARTIES ARE REQUIRED TO PROVIDE A REFUND FOR ANY REASON, AND THAT THE PURCHASER WILL NOT RECEIVE MONEY OR OTHER COMPENSATION FOR ANY ALADIN THAT IS NOT USED OR REMAINS UNUSED.

#### 12. Taxation of ALADIN and Taxation Related to the Initial Sale

ALADIN Team makes no representations concerning the tax implications of the sale of ALADIN or the possession or use of ALADIN. The Purchaser bears the sole responsibility to determine if the purchase of ALADIN with BTC or the potential appreciation or depreciation in the value of ALADIN over time has tax implications for the Purchaser in the Purchaser's home jurisdiction. By purchasing ALADIN, and to the extent permitted by law, the Purchaser agrees not to hold any of the ALADIN Team Parties liable for any tax liability associated with or arising from the purchase of ALADIN.

#### 13. Privacy

Although ALADIN Team requires that Purchasers provide an email address, ALADIN Team will not publish any identifying information related to ALADIN purchases, without the prior written consent of the Purchaser. Purchasers may be contacted by email by ALADIN Team regarding a purchase. Such emails will be informational only. ALADIN Team will not request any information from Purchasers in an email.

#### 14. Disclaimer of Warranties

THE PURCHASER EXPRESSLY AGREES THAT THE PURCHASER IS PURCHASING ALADIN AT THE PURCHASER'S SOLE RISK AND THAT ALADIN IS PROVIDED ON AN "AS IS" BASIS WITHOUT WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF TITLE OR IMPLIED WARRANTIES, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE (EXCEPT ONLY TO THE EXTENT PROHIBITED UNDER APPLICABLE LAW WITH ANY LEGALLY REQUIRED WARRANTY PERIOD TO THE SHORTER OF THIRTY DAYS FROM FIRST USE OR THE MINIMUM PERIOD REQUIRED). WITHOUT LIMITING THE FOREGOING, NONE OF THE ALADIN Team PARTIES WARRANT THAT THE PROCESS FOR PURCHASING ALADIN WILL BE UNINTERRUPTED OR ERROR-FREE.

#### 15. Limitations Waiver of Liability

THE PURCHASER ACKNOWLEDGES AND AGREES THAT, TO THE FULLEST EXTENT PERMITTED BY ANY APPLICABLE LAW, THE DISCLAIMERS OF LIABILITY CONTAINED HEREIN APPLY TO ANY AND ALL DAMAGES OR INJURY WHATSOEVER CAUSED BY OR RELATED TO USE OF, OR INABILITY TO USE, ALADIN OR THE ALADIN Platform UNDER ANY CAUSE OR ACTION WHATSOEVER OF ANY KIND IN ANY JURISDICTION, INCLUDING, WITHOUT LIMITATION, ACTIONS FOR BREACH OF WARRANTY, BREACH OF CONTRACT OR TORT (INCLUDING NEGLIGENCE) AND THAT NONE OF THE ALADIN Team PARTIES SHALL BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, INCLUDING FOR LOSS OF PROFITS, GOODWILL OR DATA, IN ANY WAY WHATSOEVER ARISING OUT OF THE USE OF, OR INABILITY TO USE, OR PURCHASE OF, OR INABILITY TO PURCHASE, ALADIN. THE PURCHASER FURTHER SPECIFICALLY ACKNOWLEDGES THAT ALADIN Team PARTIES ARE NOT LIABLE FOR THE

CONDUCT OF THIRD PARTIES, INCLUDING OTHER PURCHASERS OF ALADIN, AND THAT THE RISK OF PURCHASING ALADIN RESTS ENTIRELY WITH THE PURCHASER. TO THE EXTENT PERMISSIBLE UNDER APPLICABLE LAWS, UNDER NO CIRCUMSTANCES WILL ANY OF THE ALADIN Team PARTIES BE LIABLE TO ANY PURCHASER FOR MORE THAN THE AMOUNT THE PURCHASER MAY HAVE PAID TO ALADIN Team FOR THE PURCHASE OF ALADIN. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF CERTAIN WARRANTIES OR THE LIMITATION OR EXCLUSION OF LIABILITY FOR CERTAIN TYPES OF DAMAGES. THEREFORE, SOME OF THE ABOVE LIMITATIONS IN THIS SECTION AND ELSEWHERE IN THE TERMS MAY NOT APPLY TO A PURCHASER. IN PARTICULAR, NOTHING IN THESE TERMS SHALL AFFECT THE STATUTORY RIGHTS OF ANY PURCHASER OR EXCLUDE INJURY ARISING FROM ANY WILFUL MISCONDUCT OR FRAUD OF ALADIN Team.

#### 16. Dispute Resolution

a) ALADIN Team and Purchaser (the "Parties") agree to make good faith efforts to resolve any dispute, controversy or claim arising between them relating to this pre-sale and their respective rights and obligations hereunder arising under this Agreement (a "Dispute"). b) If the Parties, or their designated representatives, are unable to resolve the Dispute within ten (10) business days after referral of the matter to them, the Parties will submit the Dispute for resolution pursuant to paragraph c. of this Section. c) Except with respect to Disputes concerning (i) the right of either Party to apply to a court of competent jurisdiction for an interim or interlocutory injunction or other provisional remedy to preserve the status quo or prevent irreparable harm or (ii) any Disputes that may arise in connection with a breach of a Party's obligations of confidentiality hereunder, if any Dispute is not resolved pursuant to paragraphs a. and b. above, the Parties will, acting reasonably, agree mutually on the forum for resolution of the Dispute by arbitration as set out in this Section. d) After the completion of the procedures set forth in paragraph b. and agreement by the Parties to enter into binding arbitration in accordance with paragraph c. of this Section, either Party may within thirty (30) calendar days refer the Dispute to arbitration by serving written notice of its intention to arbitrate the Dispute to the other Party. e) The arbitration will be conducted by a single arbitrator to be mutually agreed to by the Parties within three (3) business days following the date of the referral of the Dispute to arbitration.

#### 17. Force Majeure

ALADIN Team is not liable for failure to perform solely caused by: • unavoidable casualty, • delays in delivery of materials, • embargoes, • government orders, • acts of civil or military authorities, • acts by common carriers, • emergency conditions (including weather conditions), or • any similar unforeseen event that renders performance commercially implausible. If an event of force majeure occurs, the party injured by the other's inability to perform may elect to suspend the Agreement, in whole or part, for the duration of the force majeure circumstances. The party experiencing the force majeure circumstances shall cooperate with and assist the injured party in all reasonable ways to minimize the impact of force majeure on the injured party.

#### 18. Complete Agreement

These Terms set forth the entire understanding between each Purchaser and ALADIN Team with respect to the purchase and sale of ALADIN. For facts relating to the sale and purchase, the Purchaser agrees to rely only on this document in determining purchase decisions and understands that this document governs the sale of ALADIN and supersedes any public statements about the initial sale made by third parties or by ALADIN Team or individuals associated with any ALADIN Team parties, past and present and during the initial sale. There are no warranties, representations, covenants, or agreements, express or implied, between the parties except those expressly set forth in this Agreement. This Agreement may only be amended by a written document duly executed by the parties.

#### 19. Severability

The Purchaser and ALADIN Team agree that if any portion of these Terms is found illegal or unenforceable, in whole or in part, such provision shall, as to such jurisdiction, be ineffective solely to the extent of such determination of invalidity or unenforceability without affecting the validity or enforceability thereof in any other manner or jurisdiction and without affecting the remaining provisions of the Terms, which shall continue to be in full force and effect.

#### 20. No Waiver

The failure of ALADIN Team to require or enforce strict performance by the Purchaser of any provision of these Terms or ALADIN Team's failure to exercise any right under these agreements shall not be construed as a waiver or relinquishment of ALADIN Team's right to assert or rely upon any such provision or right in that or any other instance. The express waiver by ALADIN Team of any provision, condition, or requirement of these Terms shall not constitute a waiver of any future obligation to comply with such provision, condition or requirement. Except as expressly and specifically set forth in these Terms, no representations, statements, consents, waivers, or other acts or omissions by ALADIN Team shall be deemed a modification of these Terms nor be legally binding, unless documented in physical writing, hand signed by the Purchaser and a duly appointed officer, employee, or agent of ALADIN Team.

#### 21. Updates to the Terms and Conditions of the ALADIN Initial Sale

ALADIN Team reserves the right, at its sole discretion, to change, modify, add, or remove portions of the Terms at any time during the sale by posting the amended Terms on the ALADIN website (<https://ALADIN.io>). Any Purchaser will be deemed to have accepted such changes by purchasing ALADIN. The Terms may not be otherwise amended except in a signed writing executed by both the Purchaser and ALADIN Team. For purposes of this agreement, "writing" does not include an e-mail message and a signature does not include an electronic signature. If at any point you do not agree to any portion of the then-current version of the Terms, you should not purchase ALADIN.

#### 22. US Purchaser Restriction

If a Purchaser is a citizen, tax resident or greencard holder of the United States of America ("US Purchaser"), he/she shall not participate in the Campaign.

#### 22. Cooperation with Legal Authorities

ALADIN Team will cooperate with all law enforcement enquiries, subpoenas, or requests provided they are fully supported and documented by the law in the relevant jurisdictions. ALADIN Team will endeavour to publish any legal enquiries upon receipt.