Powered by
Web 3.0

NORDUS
PROTOCOL

Most favored Inter-Galactic platform

A green cloud platform that will unite the people of this universe under one-chain for multiple transactions through Finance, NFT, Enterprise solutions & more.

Summary / Abstract

Amidst intensifying growth and adoption of Decentralized Finance and Non-Fungible Token sector of the Block-chain. We propose that Nordus Protocol be developed with a green generated sufficient energy consuming infrastructure to support unlimited number of applications processing simultaneously across the chain along other community built applications. Governed by a Board of Directors and prominent eco-system builders from contributed communities; a layer 2 EVM (Ethereum Virtual Machine) platform computed with Zero-Knowledge Roll-Ups technology that will be off set as an aggregator with a multi-chain bridge network and a unique language capability for increased security and operations. One Platform that will unite the people of this universe under one-chain for multiple routine transactions through Finance, NFT, Enterprises to eventually being recognized as the most favored Inter-Galactic platform.

This proposal is being made as Funding Seed Round A to pool resources of USD20 Million with the goal of forming 2 (Two) self-sufficient green cloud infrastructures to power DeFi related services not limited to: Stable coin, Exchange, Automated Market Maker, Lending & Borrowing and Payments. Diversifying into linked applications such as Insurance, Airdrops and Governance to be added later on with expansion into NFT's along a marketplace and Enterprise solutions.

With satellites in space and vision to expand into colonization on Mars & Titan, the reach to users for access to the most favored Inter-Galactic platform is limitless.

THE RATIONALE

The need to fulfill the desires that the whole world considers an ultimate dream, is actually an opportunity to gain real perspective of how one can bring a change into the space. Today, there are more than 40,000 publicly traded companies in the United States alone not limited to Global scope in this era. The need for new ways to interact through financial transactions is tremendous compared to the range of platforms offering nothing but the same services with a unique selling proposition.

With the rising consumption of energy by blockchain platforms with Ethereum consuming 8.35TWatts/year, the need for green energy could not be more feasible then Now. Hive Power has been playing a key role in redirecting blockchain and other industry energy to green energy producing grids allowing sufficient and effective role-play of green energy in the upcoming climate change model. Hence, the need for the first independent green cloud blockchain platform may not only encourage industry to evolve but also play
a significant role in becoming Net Zero Carbon Emissions Industry.

A Unique network is developed to attain certain capabilities as programmed. With a decentralized cloud system, one can easily access the genetic code of Ethereum and replicate it to perform functions that are relevant to one's vision. Building an infrastructure from scratch may require unique setup of coding language that is secure and incur heavy expenses however, to cope up with the technological advancements; a parallel task is necessary to develop ecosystem integrated to shift previous applications towards the new platform as a transition from Web 2.0 to Web 3.0. A platform consisting nodes that connect with other nodes to form a network of communication also known as transactions. With the latest technology of Zero-Knowledge Proof Roll-ups, each block represents Units of change that can be batched, compressed or repressed allowing access control distributed amongst Transaction Output (TXO)'s required by Layer 1 for storage and consumes nothing but energy. Building a platform that comes with multiple features that could be beneficial so as the challenges; could drain time in a space that is faster than humans themselves. The reasons to build such a platform could be overall positive with an optimistic approach for limitless supply of real life use-cases.

Optimistic with successful funding, Nordus Protocol with build an independent green energy infrastructure to support in excess the consumption output to match as required by the platform. Through the new, VC funded Nordus Protocol will not merely hire builders/developers or traditional fund existing business groups instead we will bootstrap a community of builders and businesses to work side-by-side to intricate protected shared values with innovative projects to compete.
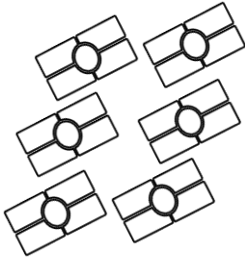
GREEN ENERGY INFRASTRUCTURE

With continuous development in advancements of solar PV panels and bladeless windmills. A foundation of 300+ Kilowatts renewable energy plant that will renew, restore and revitalize the resources for optimal performance on mission to becoming Net Zero in carbon emissions by removing CO_2 and neutralizing zero waste policy.

An energy platform that is committed to delivering 100% uptime with sufficient energy and zero delay in effectively operating hydrogen fuel cell based grid system.

**100 / 100 / 0**
commitment

HYBRID-GRID STORAGE

The highest level of energy unit per mass, hydrogen fuel cells are well know as best medium for storage. A storage grid based on hydrogen fuel cells would not only demonstrate muscular power yet also suffice in excess then required by Nordus Cloud Platform. Excess energy can be utilized for various purposes i.e. from mining to redirecting to other conventional blockchain platforms.
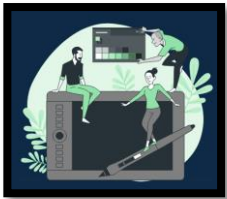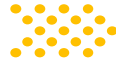
SUSTAINABLE CLOUD PLATFORM

a Self –sufficient energy consuming with dedicated energy to construct wide array of applications driving various industries of the Web 3.0 technology.
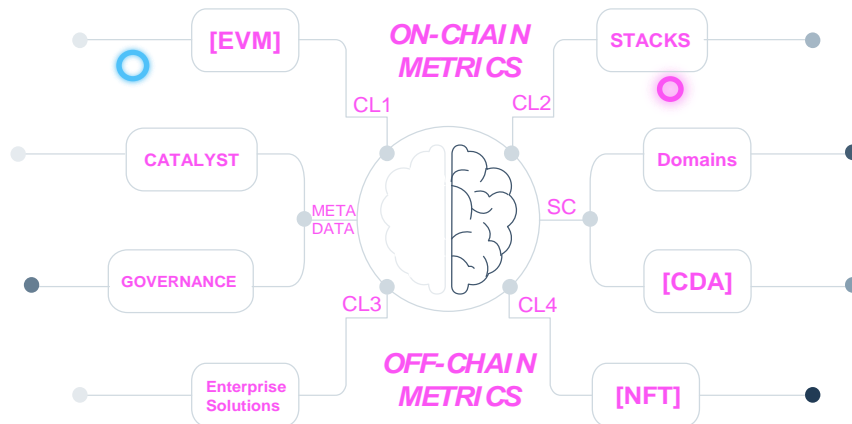
Advance cooling technology with two-phase liquid immersion cooling data storage. A networked hub of efficient processes and continuous development of the Main Eco-System.
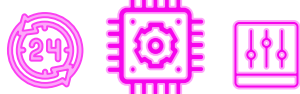
Uninterruptable renewable energy through restore, renew and revitalization of resources with water positive taking Net Zero carbon emissions closer to global targets.

NET ZERO
carbon emissions

ON-CHAIN METRICS

[EVM] · CL1 · CATALYST · META DATA · GOVERNANCE · CL3 · Enterprise Solutions

STACKS · CL2 · Domains · SC · [CDA] · CL4 · [NFT]

OFF-CHAIN METRICS

CORE OPERATION MODULE

A blockchain is operated by a number of nodes programmed to run certain functions. The more the nodes the faster the transactions can be validated and becomes difficult for exploits and hacks. Similarly, it also becomes inevitably strong as every copy of node needs to be destroyed in order to disrupt a blockchain. Bitcoin encompasses processes through UTXO's in order to perform transactions allowing an average data of 2 transactions to take 1kb of space. The higher the transactions the more the space required to store them on a blockchain that once imprinted it cannot be modified or deleted.

A Main System Layer (MSL) containing data for assets, user info with flowing and calling of nodes that will entail all the interoperability features to support on and off-chain parallel computational layers to spawn with vibrant programs within the eco-system. Each computational layer allows for various use cases, for example CL1 could entail a program interlinked with EVM (Ethereum Virtual Machine) to manage accounting or exchange features not limited to stablecoin, exchange and payments etc allowing global scalability; CL2 could compute nodes for governance and voting activities resulting a form of catalyst for continuous upgrading of the systems and CL3 to compute NFT's, CL4 a unique enterprise solution computation layer that allows enterprises to integrate internal cash-flow systems and manage financial transactions not only within but across the globe.

The primary module being the system layer would be the only layer processing on-chain to minimize load with no forklash allowing off-chain computational layers to perform at efficient speeds with effective processes. The above are the methodical fundamentals of any blockchain that is performing out there during the writing of this proposal.

Our core module believes that balanced eco-system with developed speed of delivery to market and tooling along community driven applications must be able to cope up with these 7 factors for recognition:

Scalability

Being a Technology servant, Block-chain also is bound to constant upgrades and advancements primarily through speed, strength and scope. With speeds close to VISA that has 64,000 TPS (transactions per second), Block-chain's golden coin Bitcoin delivers a TPS of 07 and hub of decentralized economics Ethereum delivers 10-15 TPS. However, as new entrants compete Solana emerges to deliver a projected speed of 65,000/tps near to that of VISA. Similarly, TPS is determined by the count of Data distributed on Bandwidth. The bigger the bandwidth the faster the data can be processed. Data scaling is the third aspect in account for scalability that allows the data the be enhanced efficiently and effectively across the network.
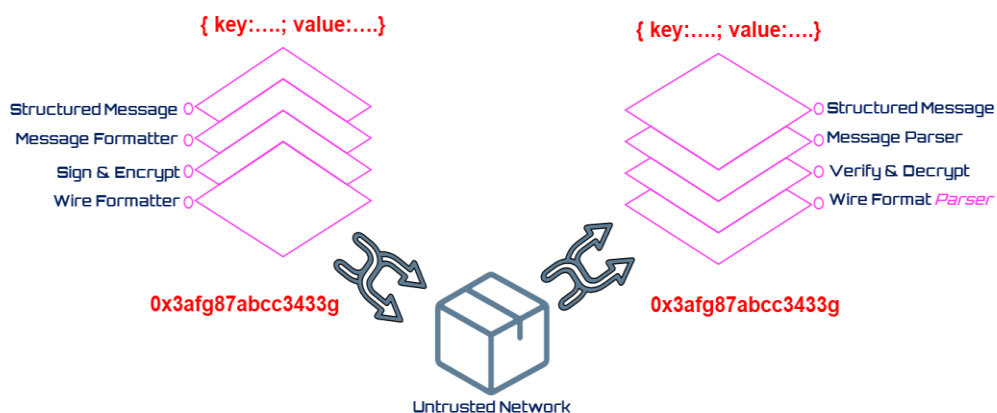
Interoperability

The ability to communicate amongst various applications within the network and inter-connected through bridge protocols allows limitless reach across global networks. The notion of MetaData is when a system has sufficient grasp over its auditability to ensure transparency as block-chain promises and tends to be. The notion that does not only value transparency but also carries out task in creating a healthy financial applications environment. Time stamping also enables transactions to communicate in a synchronized efficient manner allowing smooth flow of transitional functions. The attribution of MetaData allows to identify identities associated with accounts related to transactions not differing much then the policy of blockchain where each wallet has an identity that is then verified through KYC (Know Your Customer) and in compliance with AML (Anti-Money Laundering) and ATF (Anti-Terrorism Force) primarily resulting in a regulated environment which is disrupted by blockchain decentralized transparent processing.

Sustainability

Block-chain have multi-correspondence channels that allows substantial data to not only analyze but implement robust actions to deploy performance oriented applications. Having robust high assurance, high performance applications deployed via smart contracts allowing global adoption of developers and builders. Builder/Developer centric, bottom up community like Nordus has a different cultural dynamics and a unique approach to attaining share in an evolving change that is yet in its crawling stage. Builders are the key attributes and power behind the engine with back-up plan and openness to ideas thus having their own unique design that may not be yet in the landscape, building remarkable innovative kinds of projects. Allowing continuous builder/developer oriented incentives will continuously develop the eco-system.

High Assurance Code

Developing high assurance proofs with logical framework to secure communications between nodes is the ultimate priority in the financial technology sectors for system correctness. A network could be vulnerable to various malware attacks released in form of bugs, flash crashes and but not limited to confidentiality leaks. Nordus has a unique parser node that not only delivers ultra-secure system correctness but also inter-exchanges values through development of unique language every 5 years.

{ key:....; value:....}   { key:....; value:....}

Structured Message   Structured Message
Message Formatter   Message Parser
Sign & Encrypt   Verify & Decrypt
Wire Formatter   Wire Format *Parser*

0x3afg87abcc3433g   0x3afg87abcc3433g

Untrusted Network

A unique parser node that play the role of intermediary for exchange of communications within the various components exchanging data efficiently and effectively secure. A high assurance software that indulges in a stake of communicative proofs with a line of code that could be enhanced through modular proofs for large scale processes. A program verification tool that is delivered by secure data oracles developed by programmers.

Peer Review

From the creators to builders/developers, skilled individuals with diversified talent developing an eco-system that will change lives does not succumb to be an easy challenge. At each stage continuous monitoring and revisions with multiple proof of concepts require quality assurance and compliance with the global policies. A robust peer review strategy that will assist in attaining consumer trust and build challenging tiers for builders to compete for enhanced strategies in attaining objectives for upscale applications.

Privacy

Surveillance companies are continuously running nodes on blockchain to identify accounts to exchange information with relevant consumers just like Facebook and Google extracting user data for advertising and marketing purposes. To tackle this feature, privacy of having an autonomous engine on its own save the security of being harassed by solicitors and same goes for the Governments and relevant authorities. The data is case sensitive as it can easily be shared with or used as an extort by hackers. For this purpose, Nordus protocol will be non-invasive dual node network with Delayed Verifying Function (DVF) that utilizes a millisecond delayed function on each transaction to validate the block in return preventing hackers or malicious attacks. Similarly, an open source protocol allows anyone and everyone to view the code being implemented.

Governance

Having an independent eco-system allows for modifications and objective defined guidelines to running the nodes. Similarly, updates and advancements into space are also necessary to keep up the pace in some pre-defined areas. Solely relying on a network discourages adoption to newly amended policies. Having a unique language allows for governance by united bodies within the policies rather than random individuals having greater share yet no vision to organizations long term plans. This allow retention of developers as well giving their time to adopting a different eco-system all together.

STREAMS OF REVENUE

Wide Contracts of Clients

The heart of the platform relies on the nodes developed by the builders/developers and to allow such builders, certain incentives must be continuously promoted to keep developers attracted and motivated at all times. For this purpose, Nordus Protocol will be Smart Contract capable for developers to build on their own terms using the platforms features and services. Smart Contracts track, verify and execute binding transactions of a contract between various parties. The idea of being able to perform services not limited to exchange, the developers/builders and users get variety of options to partake and earn generous returns via lending, borrowing, staking and pooling services etc. offered via smart contracts enabled platform. It also allows users to partake in NFTs and other related segments within the platform. Giving clients and users this features attracts investors and traders across the globe.

The shift of fiat dominance towards digital currencies has been getting a **lot** of attention with countries adopting to new technology and norms of financial transactions. With cryptocurrency on the rise, majority of businesses are entering into the DeFi space also known as a "shadow financial market".

Being a FinTech oriented service, the most active consumer space is considered to be the Decentralized Exchange (DEX) that not only consists of trading or exchange of digital assets but not limited to allowing major inflows of revenue via associated lending, borrowing, staking and pooling services etc.

Stable-coins

With the rise of CBDC's (Central Bank Digital Currencies) by countries across the globe, it is inevitable that governments and local bodies will disrupt the crypto-currency industry's prime pegged digital asset i.e. Stablecoin. Stable coins are coins that pegged to any currency that represents its value equivalent of a Fiat currency. We propose a stablecoin that will be pegged to eCNY (Digital Yuan) along a USD pegged stablecoin which will allow developers and users across to trade/exchange with stability of both the world crypto dominant countries. A proof of reserves that need to be audited against each pegged currency builds trust and also enable revenues as investments into various non-crypto markets such as ETF's, Securities and Commodities.

Exchange

An exchange is an application that gives access to user across the globe to trade and invest in multiple digital assets that are offered with the ability to transfer and convert. We at Nordus have made a Proof of Concept sufficient enough to operate on its own. We propose a unique interactive designed user interface with features replicated with world top blockchain binance as to be the benchmark in attaining maximum user globally recognized standards. Having liquidity across more than 10,000 offered coins with majority available for staking and pooling.

Payments
Crypto Currency deposits via local bank transfers and credit card is widely accepted and supported by major banks. However, the ability to exchange Fiat into Crytpo and withdrawal of the same has been a challenge across multiple countries that do not allow for crypto currency to be traded YET. A peer-2-peer feature is integrated for exchange by local individuals for payment across local banks with a proof of receipt scanner that ensures legitimacy of transactions securing both ends of the parties.

NFT's
Non-Fungible Tokens as in a digital certificate of ownership or property rights for digital or tangible products. NFT's got their attention in lieu with unique images across the globe that were converted in digital formats and sold at auctions. The highest bids could rally to more than 100 million for one piece of digital art. Being tech savvy, anything and everything on the decentralized network is about the future and how it will relate then as it relates now in our daily lives. With applications development of Metaverse i.e. virtual worlds. It is inevitable that the current youth will indulge extensively in the days of the future. An opportunity to be visible amongst the popular is what is to seek in this sector of the Web 3.0 technology.

Enterprise Solutions
The future of digital finance relies on the integration of current corporate financial system to cope up with emerging crypto-friendly environment. A unique pre-designed mini-platform that will allow institutions and corporates to integrate a financial system that will not only perform their daily financial routine transactions but also emerge into global economics. A pre-designed coded autonomous platform that will allow for minting and burning of coins for internal cash-flow systems and retain the physical fiat currency for added financial investments.

System Development Work-Flow
The idea of playing a role of the intermediary between a trader and an investor with limits of up to total global population, we believe the best approach to a start-up would be through an exchange delivering the same role as that of a manufacturer. It allows for many features that assist in development of complete independent decentralized autonomous organization.

The System Development that consists of developing a functioning crypto currency exchange application can be rather quicker as in testing with all the bugs and use cases. We intend to deliver version 1.0 beta within the 1 year of initial funding round A completion as follow:

Q1
- Development of Node and UI of Unique Language optimized Virtual Machine
- Development of Node and UI of Exchange on Mainnet
- Activation of Tests to be conducted on Version 1.0 Beta Testnet

Q2
- Development of an Improved version of JSON RPC API for web & mobile applications
- Activation of multiple nodes and cross-app features
- Release of Mainnet Decentralized Exchange

Q3
- Public Launch via Seed Token Sale of 15% to Public
- Activation of inflation and fees

Q4
- Release of Multi-node private Testnet
- Release of Payments SDK
- Release of Lending & Borrowing SDK
- Release of Staking & Pooling SDK
- Activation of on-chain Testnet

The projects intended functionality can be accomplished within a year for advancement in phases of revenue generation and expansion based mechanism. To further expand the road-map to a functioning independent blockchain, we have strategized planning for year 2 as below:

Q1
- Development of on-chain programs
- Development of Smart Contracts
- Development of Enterprise Solutions

Q2
- Release of On-Chain Programs
- Release of Smart Contracts SDK
- Release of Enterprise Solutions SDK
- Release of Multi-region, Multi-cloud Testnet

Q3
- Release of White-Paper
- Commercial Partnerships & Business Development
- Token Supply Distribution

Q4
- Release of Smart Contracts Engine
- Release of Incentivized DAO Testnet
- Release of Mainnet Beta
- Mainnet Launch

Key Activities Post Whitepaper
The idea of sustainable strong foundation is developing robust engagement strategies focused on primary drivers of the eco-system i.e. end users, developers and validators. Our strong focus on major global players such as United States, China, Russia and Asia will continue to grow our presence across the network to smaller regions.

Commercial Partnerships and Community Building
- Conducting technologically advanced podcasts to educate the public.
- Hosting online and local meet-ups
- Offering grant and mentorship programs to teams developing Nordus.
- Indulge bloggers across for highlighting performers within the community each month helping in growing their brand.
- Offering incentivized programs as bounties, testnet bugs detectors allowing on-board new team's knowledge agenda.
- Incentivizing Validator community and assisting with calls bi-weekly for general Q&A and project updates.
- Incentivizing community members through airdrops, funding potentials and collection of nft's.

Key Resources
For global outreach, it is pertinent to have resources in crypto dominant 1st world countries in the world:

United States / China / Russia / Middle East / Eastern Asia
- *Having a full time regional manager to support operations*
- *Constantly Engaging with community via social channel*
- *Conducting interviews and AMAs with communities to share the company's vision, goals and technology.*
- *Outreaching users by organizing giveaways and competitions for local blockchain enthusiasts to promote the project.*

Key Partners

Project Team

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Entrepreneur
Full Stack Blockchain Developer
Author BYDT Ultimate Crypto Trading Script

THANKS !

Available for any questions?

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