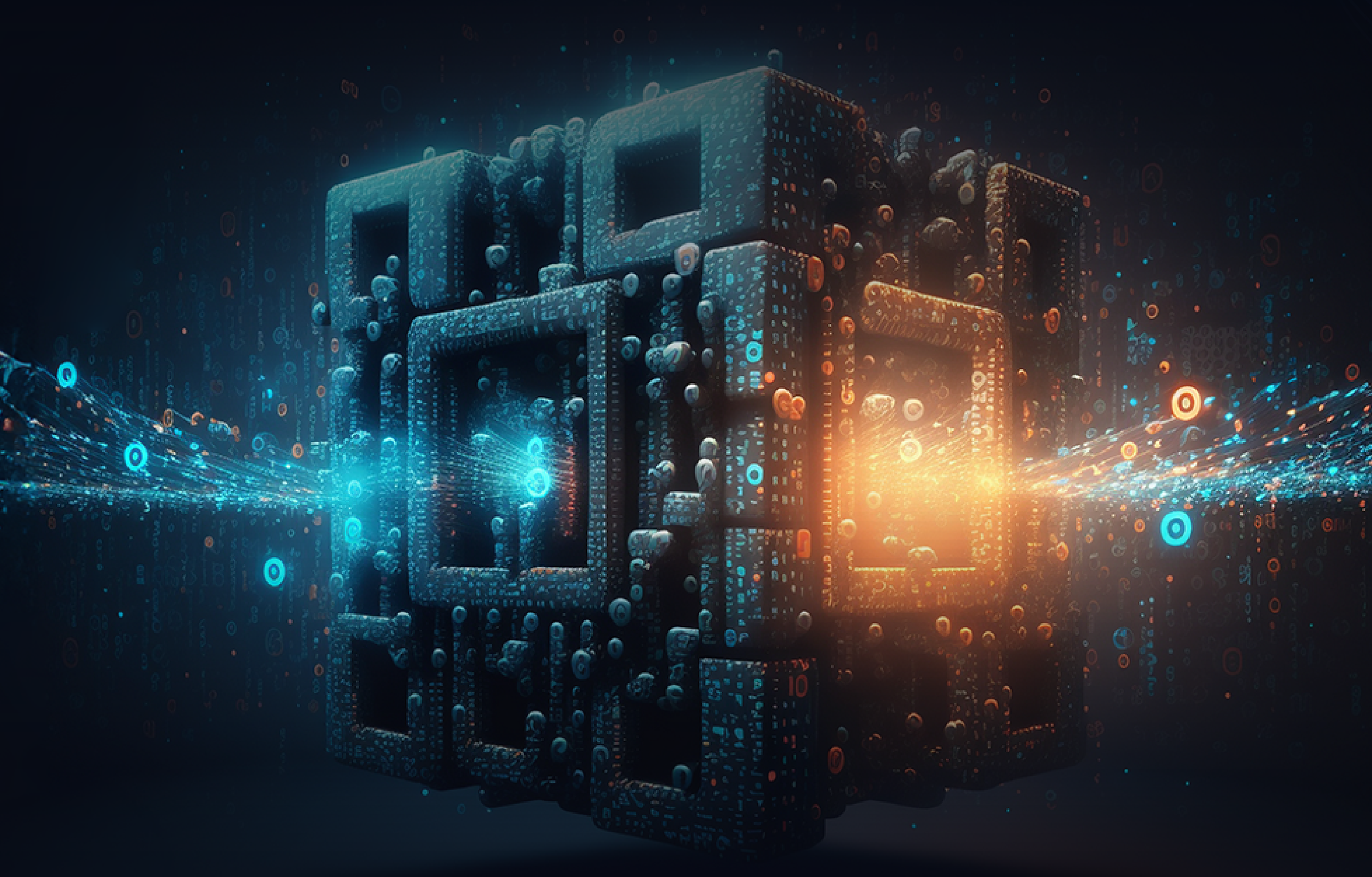
# Iregn



# WHITEPAPER

## 2023

# Abstract

In the ever-evolving landscape of modern systems and applications, networks serve as the indispensable foundation of our communication infrastructure. However, the tools and resources available for building, securing, and supporting these networks have seen little significant improvement over the past couple decades. This stagnation is at odds with the increasingly complex work roles and changing demographics of network personnel, who find themselves grappling with tedious tasks and mounting challenges.

To address this pressing need, Dregn presents a groundbreaking network tool SaaS platform and the DREGN utility token with its own dedicated blockchain ecosystem. This whitepaper outlines Dregn's vision for leveraging the Dregn SaaS (Software as a Service) platform and DREGN token innovations to evolve the network industry.

Benefits of the SaaS platform include better network visibility, response times, resource management, and skill allocations for the ultimate improvement of networks for users, organizations, and other stakeholders. Roadmapped benefits of DREGN token ecosystem include partner access discounts, future marketplace for tools & talent and blockchain- ledgered profile & value storage concepts.

# Disclaimer

The following document is solely for explaining the Dregn project, its scope, and the problem it resolves in the existing networking landscape. It is a collective effort of the Dregn team to put the vision on paper and educate the readers about the promising solution.

It must be noted that the following document is not a legal contract or an agreement; it is not an offer, a guarantee, an advisory statement, recommendation, or a public invitation to invest.

The provisions of the document should not be considered as a standard while purchasing the platform's tokens, known as the DREGN tokens.

We strongly recommend our readers to do their own research (DYOR) and study the document in detail. They should take into account all sections of the document before investing in DREGN tokens.

# Table of Content

# 01 Introduction

IT network infrastructure is the backbone of all enterprise organizations to build and run the applications that underpin their operations. Network infrastructures typically involve some mix of interconnected physical hardware, on-premise or hosted data centers, edge or endpoint devices, industrial or IoT, more remote users than ever, as well as an increasing continuum of cloud environments with virtualized and containerized resources that necessitate continuous monitoring, configuration, management, and maintenance.

Dregn's mission is to significantly improve the art and science of IT networking through ambitious innovations. Dregn's vision is to boost network tools and enhance the value and future of work for network personnel with a revolutionary SaaS offering and DREGN ecosystem.


# 02 Industry Problems

Business operations of nearly all organizations depend on a network operations industry that needs to improve on several fronts and is ripe for disruptive changes. There are many real world problems in a key industry that the world depends upon.

## 2.1 Situational Awareness

Current typical network infrastructure visibility, situational assessments, timely manual troubleshooting and root cause analysis methods are all difficult at best. Security challenges are also at an epic level including unauthorized access, data breaches, and other cyber threats. Many addressable performance, stability or security concerns go unnoticed, ignored or just accepted as risks. Modern enterprise organizations need realtime situational awareness for mission-critical continuous network vigilance, more liquid resource allocations and unprecedented network visibility.

## 2.2 Changing Methodologies

There are approach changes happening with the niche tradecraft and vendor-centric occupation roles of network personnel. It was once common to try to study constantly-changing cryptic manuals for each new technology platform, try to memorize increasingly numerous command line and web interfaces, and other industry-engrained tedious habits. Younger generations and newer technologies are bringing use of touchscreen interfaces, gaming-intuition and more how-to videos or Internet articles to copy instead of cramming documentation.

To change with the times, the evolving methodologies in IT could use a new human-network interface that abstracts trivia, enables realtime network expertise, opens the door for AI assistance on-demand, and leverages extensive automation of new and existing tools & integrations. There are complex user interfaces, unintuitive workflows, or steep learning curves on too many platform-level specifics and access to on-demand expertise is limited by a complex quagmire of economics and vendor channel politics.

## 2.3 Archaic Tools

As networks grow and evolve, they become more complex, incorporating a diverse range of devices, protocols, and technologies. Monitoring, managing and maintaining such complex networks can be challenging, requiring expertise in network design, configuration, and troubleshooting. Complexity increases the risk of misconfigurations, compatibility issues, and security vulnerabilities if not properly managed. The painfully archaic tools and management interfaces to keep on top of this complexity have stagnated for decades with little in the way of new innovations. A lack of user-friendliness can hinder productivity, increase the risk of errors, and impede efficient network management and troubleshooting.

As examples, many devices are still managed via command line shells that originated from before the Internet and many network infrastructure tools operate in silos, lacking seamless integration with other systems and components. This lack of integration creates data silos, inhibits efficient data sharing and collaboration among different teams, and hinders holistic network management. Without proper integration, network personnel may struggle to obtain a unified view of the network, leading to disjointed decision-making, longer resolution times and inefficient operations.

Although industry strides have been made with network configuration automation, limited pockets of orchestration and technologies such as Software-Defined Networking (SDN), the industry is still largely dependent on error-prone manual configurations and human skills to tie together the clockwork of existing tools. This is further convoluted every time new technologies, platforms and tools are introduced to the network in adapting to evolving business needs. The industry needs more intuitive integration and automation agility to handle the added complexity.

# 03 Dregn Solutions

The future of networking needs to shift from the conventional paradigm to a new era of interaction, functionality and ecosystem that can automate monotonous networking operations and can be seamlessly integrated into existing business processes. Dregn’s Realtime Extensible Gamified Networking solution can potentially revolutionize existing networking operations, making them more efficient, transparent, and secure. For IT network personnel, it can improve the future of work, quality of life, effectiveness and value of the network team as well as the performance, stability and security of networks.


### 3.1 Realtime Visibility

The Dregn SaaS platform will empower users with comprehensive network visibility by gathering vital information about network devices, configurations, and operational status. This level of network discovery, inventory, and polling integration will ensure a holistic view of the network environment, enabling effective monitoring, troubleshooting, and optimization.

By empowering enterprises with timely and actionable insights across all available tool integrations, the Dregn platform will offer realtime updates on network changes, enabling proactive and well-informed decisions. By staying on top of network performance and security, organizations can maintain optimal operational efficiency.

### 3.2 Intuitive Interface

The Dregn platform will feature a dynamic game-like 3D interface to create an immersive and captivating user experience of visibility, analysis and control with great collaborative potential for bringing in expertise on-demand. This visually engaging environment will revolutionize how users interact with the network, making networking a more intuitive and enjoyable experience. Learning curves on platforms, technologies and interfaces may be minimized, abstracted and normalized or guided by artificial intelligence where safe and practical.

### 3.3 Harnessing Tools

By integrating with existing tools and supplementing with tools or automation, the Dregn SaaS platform aims to bring together network infrastructure tools without regard to vendor or legacy limitations. Dregn is intended to augment, not replace, all network infrastructure tools.

## 04 Dregn Features

Beyond the core solutions described, Dregn intends to implement over 100 feature ideas with only a portion of them on the early roadmap. Many additional features are likely to be invented or requested then, as practical and reasonable, added to the roadmap over the years of development ahead. Other early Dregn features on the roadmap include:

### 4.1 Multifactor Authentication

Multifactor authentication will be required as an additional layer of protection ensuring only authorized users can access the platform, safeguarding sensitive network information and fortifying the overall security of the platform.

### 4.2 Credits-Based Billing

Users will be billed based on their actual utilization of the platform, paying only for the resources and features they actively consume. This usage-based model will promote cost control, scalability, and transparency, aligning the platform's pricing with the value it delivers.

### 4.3 Streamlined Onboarding

The Dregn platform will ensure a streamlined onboarding process - from trial sign-up to automated provisioning to assisted implementation of network discovery, inventory, polling, collection and analysis. Onboarding steps for minimal basic change control, credits funding channels and observing orchestrated changes in realtime are all prioritized on the roadmap.

### 4.4 DREGN Utility Token

Dregn intends to leverage the DREGN utility token specific to the network industry to provide the fluid economics, flexibility and pooled resourcing of a relatively calm alcove of a dedicated utility token. DREGN stored value will enable purchases of the native credits-based usage billing of the Dregn SaaS platform as well as offerings from partners and the blockchain ecosystem foundation for many roadmap opportunities with marketplace trading, possible barter, access to tools & expertise, tokenized resources and more.

## 05 Market Potential

Dregn’s unique offering touches multiple markets.

### 5.1 Primary Market

Dregn's offerings are strategically positioned to cater to the needs of enterprises and other organizations with critical network infrastructures. This primary market overlaps the market of network vendors across a wide range of large-scale network-critical verticals, including technology businesses, healthcare, retail, finance, telecom, education, government, manufacturing, and more.

Dregn’s primary market also overlaps with the Software as a Service (SaaS) market exhibiting significant growth, with an overall market size projected to grow from $251.17 billion in 2022 to $883.34 billion by 2029. Dregn stands to benefit from this upward trajectory[1]. Recent advancements in technology, coupled with the increasing adoption of artificial intelligence (AI), have the potential to further fuel this market expansion.

The network tools SaaS slice of that market is anticipated to reach the magnitude of tens of billions during Dregn's launch. The unique nature of Dregn's SaaS offering positions it in a distinct segment overlapping multiple markets, potentially establishing a market of its own.

## 5.2 Secondary Market

In addition to the primary target market, Dregn aims to cater to a secondary market including IT support specialties, managed service providers, IT training, cybersecurity, and various other incidental and collateral markets.

The strategic roadmap of Dregn places a strong emphasis on AI and security-centric features for network tools to not only augment Dregn's existing offerings but also unlock unforeseen opportunities in currently unplanned directions. While precise estimates of the secondary market sizes are currently unavailable, the potential for growth is undeniably substantial and warrants attention.

Furthermore, the absence of full direct competition in the market and Dregn beta release are anticipated to unlock new use cases and secondary markets.

## 5.3 Crypto Market

The Dregn crypto ecosystem will be underpinned by its own DREGN token. As of March 2023, the total market capitalization of cryptocurrency was $1.24 trillion[2]. The integration of a crypto token into the Dregn ecosystem will enable access to a trillion-dollar market, which can be one of the contributors to the platform's success.

The potential market opportunities that exist for crypto subprojects and ecosystem feature concepts include initiatives such as establishing liquidity on multiple exchanges, exploring marketplaces, and venturing into concepts related to dynamic non-fungible tokens (dNFTs), among others.

# 06 DREGN Token

The DREGN token will be an ERC20-based utility token that will be listed on Uniswap decentralized exchange.

## 6.1 Utility of DREGN Token

The DREGN token will be designed to have multiple utilities, which will contribute to its adoption among target markets.

### 6.1.1 Discounted Credits

DREGN tokens may be used to purchase exclusively-discounted credits for the Dregn SaaS platform as a cost advantage for access to the Dregn SaaS platform as well as a deflationary buy-back mechanism to boost the DREGN economy.

### 6.1.2 Discounted Services

DREGN tokens may be used to purchase discounted services provided by Dregn's ecosystem partners. This privileged access will allow a range of services within the Dregn network at preferential rates, creating added value and cost savings.

### 6.1.3 Potential Marketplaces

DREGN tokens will enable potential marketplaces specifically designed for network expertise and network tools. These marketplaces will provide a platform for token holders to tap into a rich ecosystem of professionals and resources, facilitating connections and opportunities for collaboration, knowledge sharing, and the acquisition of specialized network-related services.

# 07 DREGN Tokenomics

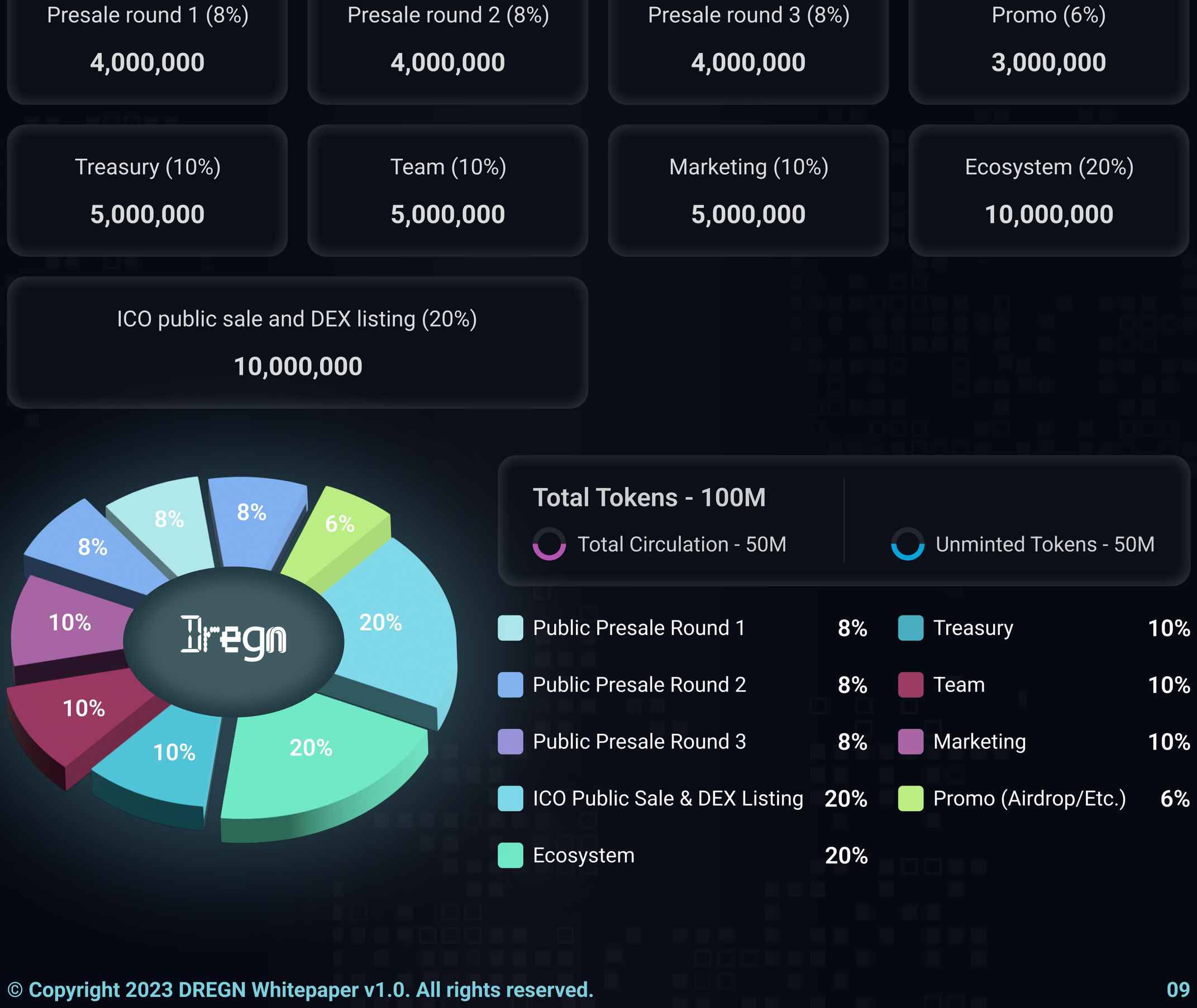
The DREGN token will be an ERC20-based utility token that will be listed on Uniswap decentralized exchange.

| Name | Ticker symbol | Total tokens | Tokens in circulation |
|---|---|---|---|
| **DREGN Token** | **DREGN** | **100,000,000** | **50,000,000** |

## 7.1 Token Allocation

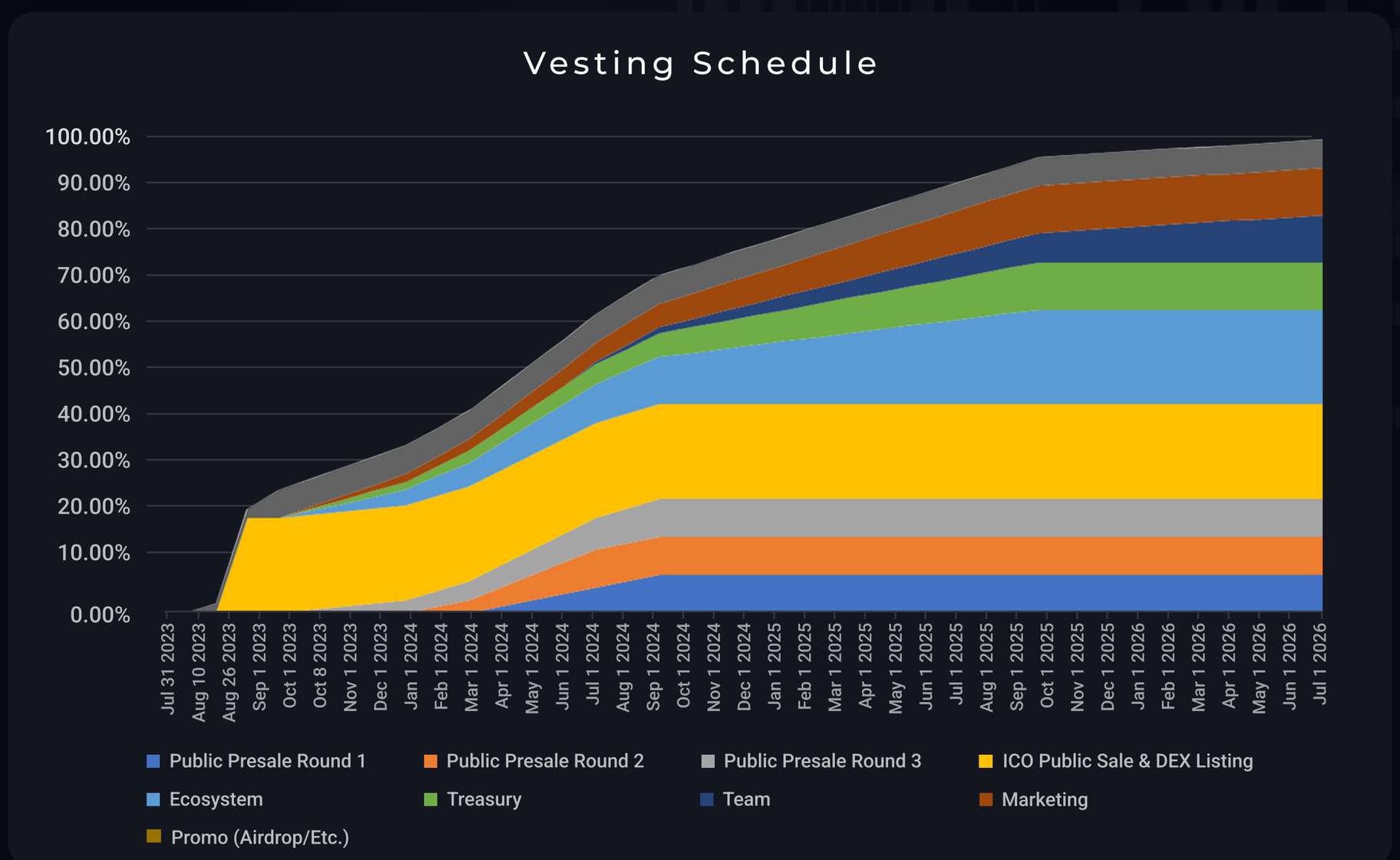
As part of a strategy, only half of the maximum allowable DREGN tokens will be released initially. This approach ensures that a significant number of tokens remain unallocated, preserving their availability for future roadmap items and endeavors over an extended period. Moreover, the limited supply of DREGN tokens will contribute to an increase in their price as the demand for the tokens and Dregn SaaS platform increases.

| | | | |
|---|---|---|---|
| Presale round 1 (8%) **4,000,000** | Presale round 2 (8%) **4,000,000** | Presale round 3 (8%) **4,000,000** | Promo (6%) **3,000,000** |
| Treasury (10%) **5,000,000** | Team (10%) **5,000,000** | Marketing (10%) **5,000,000** | Ecosystem (20%) **10,000,000** |
| ICO public sale and DEX listing (20%) **10,000,000** | | | |



## 7.2 Token Vesting and Cliffs

DREGN tokens will have vesting and cliff periods across multiple token allocation events. Token allocations include Presale Round 1, Presale Round 2, Presale Round 3, ICO Public Sale & DEX Listing, Ecosystem, Team, Treasury, Marketing and Promo. Through these well-thought-out provisions, we aim to ensure a controlled and gradual distribution of DREGN tokens, fostering stability, fairness, and long-term value creation for all token holders.




# 08 Dregn Technology Stack

Dregn’s chosen technologies group into two areas, the network tool SaaS platform under development with a game-like 3D interface then a separate secondary set of dedicated web interfaces for the DREGN utility token Initial Coin Offering (ICO) platform with its associated portals and roadmapped ecosystem features.

## 8.1 Dregn SaaS Platform

Dregn SaaS platform will be built using mainly Python, an open source programming language also leveraged by popular platforms like Google, Spotify, Instagram, and Reddit, with a rich ecosystem and libraries as a scalable and adaptable foundation for the Dregn platform, ensuring its long-term success and viability in a dynamic market. The tools and orchestration components will also be largely open source. The interface is built on the Unity 3D game engine using C# development and available libraries. Best of breed providers are being used for cloud-based resources of Dregn’s SaaS platform.

## 8.2 DREGN Token

DREGN tokens will be built using ERC20, an established token standard on the Ethereum blockchain, due to compatibility with various wallets, exchanges, and decentralized applications (DApps) that support ERC20 tokens. This standardization will ensure compatibility with major cryptocurrency exchanges with significant market exposure and liquidity. Ethereum's smart contract functionality will provide flexibility for implementing custom features, such as token distribution, minting mechanisms, and more. It will enable DREGN tokens to meet specific project requirements and desired functionalities.

# 09 Roadmap

## Q2 2023

### Ideate and Initiate

- Project ideation
- Initial development of Dregn SaaS platform

## Q3 2023

### Establish Foundations

- Launch DREGN utility token
- Development of SaaS core platform

### Build

- Development of DREGN ecosystem
- Build SaaS pre-MVP stack

## Q4 2023

### Limited Releases

- Ecosystem partner utility testing
- SaaS MVP closed beta customer testing
- SaaS marketing preparations

## Q1 2024

### Market Penetration

- Ecosystem key features released
- SaaS MVP open beta customer traction
- SaaS Go To Market launch

## Q2 2024

### Feature Releases

- Launch ecosystem features outlined in the roadmap
- Launch SaaS features outlined in the roadmap
- Launch SaaS marketing campaigns

## Q3 2024

### Full Releases

- Ecosystem robust utility expansion
- SaaS platform general release
- Expanded sales channels

## Q4 2024

### Growth Stage

- Ecosystem scaling
- SaaS platform scaling
- Traction runway

## Q1 2025

# 10 Dregn Team

## 10.1 Core Team

**Jason S**

Founder, Cisco CCIE
Lifetime Emeritus

**Brian B**

Senior Developer, Bachelor's
Comp Sci, Drexel Univ

**Heather S**

Financial & HR, Bachelor’s in
Bus Admin, Ursinus

**Justin J**

Automation & DevOps,
Bachelor’s IT, Univ of Phoenix

## 10.2 Team of Advisors

**Tim W**

MBA, Miami University

**Suchit B**

EDP, University of Chicago
Booth School of Business

**Guy F**

Marketing & Management,
Villanova University

Dregn also has various other team members, partners and advisors participating in the venture from time to time.

# 11 Resources


- https://www.fortunebusinessinsights.com/software-as-a-service-saas-market-102222
- https://www.analyticsinsight.net/top-10-crypto-gainers-of-q1-2023/#:~:text=The%20first%20quarter%20of%202023,March%2031%2C%20according%20to%20CoinGecko.