



19,800,000 shares of Common Stock  
Pre-funded Warrants to Purchase 30,200,000 Shares of Common Stock  
Up to 30,200,000 shares of Common Stock underlying the Pre-funded Warrants

We are offering, on a firm commitment basis, 19,800,000 shares of our common stock, par value \$0.00001 per share at a public offering price of \$0.10 per share.

We are also offering pre-funded warrants (the “Pre-funded Warrants”) to purchase up to 30,200,000 shares of common stock to those purchasers whose purchase of shares of common stock in this offering would result in the purchaser, together with its affiliates and certain related parties, beneficially owning more than 4.99% (or, at the election of the purchaser, 9.99%) of our outstanding common stock immediately following the consummation of this offering, in lieu of shares of common stock that would result in beneficial ownership in excess of 4.99% (or, at the election of the purchaser, 9.99%) of our outstanding common stock. Each Pre-funded Warrant is exercisable for one share of our common stock and has an exercise price of \$0.00001 per share. For each Pre-funded Warrant that we sell, the number of shares of common stock we are offering will be reduced on a one-for-one basis.

Pursuant to this prospectus, we are also offering the shares of common stock issuable upon the exercise of the Pre-funded Warrants offered hereby.

Our common stock is listed on The Nasdaq Capital Market (“Nasdaq”), under the symbol “CYN.” On April 23, 2024, the last reported sale price of our common stock was \$0.1140 per share. We do not intend to list the Pre-funded Warrants offered pursuant to this prospectus on any national securities exchange or other nationally recognized trading system.

The final public offering price of the shares of our common stock or Pre-funded Warrants will be determined through negotiation between us and the underwriter, based upon a number of factors, including our history and our prospects, the industry in which we operate, our past and present operating results, the previous experience of our executive officers and the general condition of the securities markets at the time of this offering.

We have granted Aegis Capital Corp., as “Underwriter”, an option, exercisable for 45 days from the closing date of this offering, to purchase up to 7,500,000 additional shares of common stock, representing 15% of the shares of common stock and/or Pre-funded Warrants sold in the offering.

**Investing in our securities involves a high degree of risk. See “Risk Factors” beginning on page 7 of this prospectus to read about factors you should consider before investing in our securities.**

**Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.**

	Per Share	Per Pre-funded Warrant	Total
Public offering price	\$ 0.10	\$ 0.09999	\$ 4,999,685
Underwriter discounts and commissions <sup>(1)</sup>	\$ 0.007	\$ 0.00700	\$ 349,978
Proceeds to us, before expenses <sup>(2)</sup>	\$ 0.093	\$ 0.09299	\$ 4,649,707

(1) Does not include certain expenses of the Underwriter. See “Underwriting” beginning on page 18 of this prospectus for additional information regarding compensation to be received by the Underwriter.

(2) The amount of proceeds, before expenses, to us does not give effect to any exercise of the Pre-funded Warrants.

Delivery of the shares of our common stock and Pre-funded Warrants is expected to be made on or about April 25, 2024.

*Sole Underwriter*

**AEGIS CAPITAL CORP.**

The date of this prospectus is April 23, 2024

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You should rely only on the information contained in or incorporated by reference in this prospectus and the information below under the captions “Information Incorporated By Reference” and “Where You Can Find More Information” before making an investment decision. Neither we nor the Underwriter have authorized anyone to provide you with information different from, or in addition to, that contained in or incorporated by reference in this prospectus. If anyone provides you with different or inconsistent information, you should not rely on it. We can provide no assurance as to the reliability of any other information that others may give you. Neither we nor the Underwriter is making an offer to sell or seeking offers to buy these securities in any jurisdiction where or to any person to whom the offer or sale is not permitted. The information in this prospectus is accurate only as of the date on the front cover of this prospectus, and the information in any free writing prospectus that we may provide you in connection with this offering is accurate only as of the date of such free writing prospectus. Our business, financial condition, results of operations and prospects may have changed since those dates.

## ABOUT THIS PROSPECTUS

We incorporate by reference important information into this prospectus. You may obtain the information incorporated by reference without charge by following the instructions under “Where You Can Find More Information.” You should carefully read this prospectus as well as additional information described under “Information Incorporated By Reference,” before deciding to invest in our securities.

Neither we nor Aegis have authorized anyone to provide you with information different from or inconsistent with the information contained in or incorporated by reference in this prospectus. We take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. You should assume that the information appearing in this prospectus and the documents incorporated by reference in this prospectus is accurate only as of the date of those respective documents, regardless of the time of delivery of those respective documents. Our business, financial condition, results of operations and prospects may have changed since those dates.

The information incorporated by reference or provided in this prospectus contains statistical data and estimates, including those relating to market size and competitive position of the markets in which we participate, that we obtained from our own internal estimates and research, as well as from industry and general publications and research, surveys and studies conducted by third parties. Industry publications, studies and surveys generally state that they have been obtained from sources believed to be reliable. While we believe our internal company research is reliable and the definitions of our market and industry are appropriate, neither this research nor these definitions have been verified by any independent source.

We further note that the representations, warranties and covenants made by us in any agreement that is filed as an exhibit to any document that is incorporated by reference into this prospectus were made solely for the benefit of the parties to such agreement, including, in some cases, for the purpose of allocating risk among the parties to such agreement, and should not be deemed to be a representation, warranty or covenant to you. Moreover, such representations, warranties or covenants were accurate only as of the date when made. Accordingly, such representations, warranties and covenants should not be relied on as accurately representing the current state of our affairs.

We are offering to sell, and seeking offers to buy, shares of our common stock only in jurisdictions where offers and sales are permitted. The distribution of this prospectus and the offering of our common stock in certain jurisdictions may be restricted by law. Persons outside the United States who come into possession of this prospectus must inform themselves about, and observe any restrictions relating to, the offering of our common stock and the distribution of this prospectus outside the United States. This prospectus does not constitute, and may not be used in connection with, an offer to sell, or a solicitation of an offer to buy, any securities offered by this prospectus by any person in any jurisdiction in which it is unlawful for such person to make such an offer or solicitation.

CYNGN Inc. and its consolidated subsidiaries are referred to herein as “Cyngn,” “the Company,” “we,” “us” and “our,” unless the context indicates otherwise.

This prospectus contains, or incorporates by reference, trademarks, tradenames, service marks and service names of CYNGN Inc. and its subsidiaries.

## PROSPECTUS SUMMARY

*This summary highlights selected information included elsewhere in or incorporated by reference in this prospectus and does not contain all the information that you should consider before investing in our securities. You should read the entire prospectus carefully, especially “Risk Factors” and the financial statements and related notes and other information incorporated by reference into this prospectus, before deciding whether to participate in the offering described in this prospectus.*

### Overview

We are an autonomous vehicle (“AV”) technology company that is focused on addressing industrial uses for autonomous vehicles. We believe that technological innovation is needed to enable adoption of autonomous industrial vehicles that will address the substantial industry challenges that exist today. These challenges include labor shortages, high labor costs and work safety.

We integrate our full-stack autonomous driving software, DriveMod, onto vehicles manufactured by Original Equipment Manufacturers (“OEM”) either via retrofit of existing vehicles or by integration directly into vehicle assembly. We design the Enterprise Autonomy Suite (“EAS”) to be compatible with sensors and components from leading hardware technology providers and integrate our proprietary AV software to produce differentiated autonomous vehicles.

Autonomous driving has common technological building blocks that remain similar across vehicles and applications. By tapping into these building blocks, DriveMod is designed to deliver autonomy to new vehicles via streamlined hardware/software integration. This vehicle-agnostic approach enables DriveMod to expand to new vehicles and novel operational design domains (“ODD”). In short, nearly every industrial vehicle, regardless of use case, can move autonomously using our technology.

Our approach accomplishes several primary value propositions:

1. Provide autonomous capabilities to industrial vehicles built by established manufacturers that are already trusted by customers.
2. Generate continual customer value by leveraging the synergistic relationship of autonomous vehicles and data.
3. Develop consistent autonomous vehicle operation and user interfaces for diverse vehicle fleets.
4. Complement the core competencies of existing industry players by introducing the leading-edge technologies like Artificial Intelligence (“AI”) and Machine Learning (“ML”), cloud/connectivity, sensor fusion, high-definition mapping, and real-time dynamic path planning and decision making.

We believe our market positioning as a technology partner to vehicle manufacturers creates a synergy with incumbent suppliers that already have established sales, distribution, and service/maintenance channels. By focusing on industrial use cases and partnering with the incumbent OEMs in these markets, we believe we can source and execute revenue-generating opportunities more quickly.

Our long-term vision is for EAS to become a universal autonomous driving solution with minimal marginal cost for companies to adopt new vehicles and expand their autonomous fleets across new deployments. We have already deployed DriveMod software on more than ten different vehicle form factors that range from stockchasers and stand-on floor scrubbers to 14-seat shuttles and electric forklifts as part of prototypes and proof of concept projects, demonstrating the extensibility of our AV building blocks.

Our recent progress contributes to the validation of EAS with OEM partners and end customers. We also continue to build upon our ability to scale our products and generate novel technological developments. The DriveMod Stockchaser became commercially available in early 2023 starting with the deployment from our partner-customer US Continental, a California-based leading manufacturer of quality leather and fabric care products. We also launched the DriveMod Forklift and the DriveMod Tugger as we expand our vehicle-type portfolio fleet through our OEM partnership with BYD and Motrec, respectively.

We secured paid projects with leading global customers like Arauco, along with additional projects from big brands in the Global 500 and the Fortune 100. Our patent portfolio expanded with 16 new U.S. patent grants in 2023, bringing the total grants to 19.



## Our Products

EAS is a suite of technology and tools that consists of three complementary categories: DriveMod, Cyngn Insight, and Cyngn Evolve.

### *DriveMod: Industrial Autonomous Vehicle System*

We built DriveMod as a modular software product that is compatible with various sensor and computer hardware components that are widely used throughout the autonomous vehicle industry. Our software combined with sensors and components from industry leading technology providers covers the end-to-end requirements that enable vehicles to operate autonomously with leading-edge technology. The modularity of DriveMod allows our AV technology to be compatible across vehicle platforms as well as indoor and outdoor environments. DriveMod can be retrofitted to existing vehicle assets or integrated into a manufacturing partner's vehicles at assembly, providing accessible options for our customers to integrate leading-edge technology whether their AV adoption strategies are evolutionary or revolutionary.

The core vehicle-agnostic DriveMod software stack is targeted and deployed to different vehicles through *DriveMod Kits*, which are the AV hardware systems that take into account the specific needs of operating the DriveMod software on a specific target vehicle. Then, after prototyping and productization, DriveMod kits streamline the integration AV hardware and software integration onto vehicles at scale. The DriveMod Kit for Columbia Stockchasers is commercially released and available at scale. Subsequently, we expect to create different instances of DriveMod Kits to support the commercial release of new vehicles on the EAS platform, such as the electric forklifts and other industrial vehicles.



**Figure 1: Overview of Cyngn's autonomous vehicle technology (DriveMod)**

DriveMod's flexibility combines with our network of manufacturing and service partners to support customers at different stages of autonomous technology integration. This allows customers to grow the complexity and scope of their industrial autonomy deployments as their business transforms while continually capturing returns throughout their transition to full autonomy. EAS will also grant customers access to over-the-air software upgrades, ad hoc customer support, and flexible consumption based on usage and scale of operations. By lessening both the commercial and technical burdens of traditional vehicle automation and industrial robotics investments, industrial AVs can become universally available to the market, even reaching small and medium-sized businesses that may otherwise struggle to adopt Industry 4.0 and 5.0 technology.

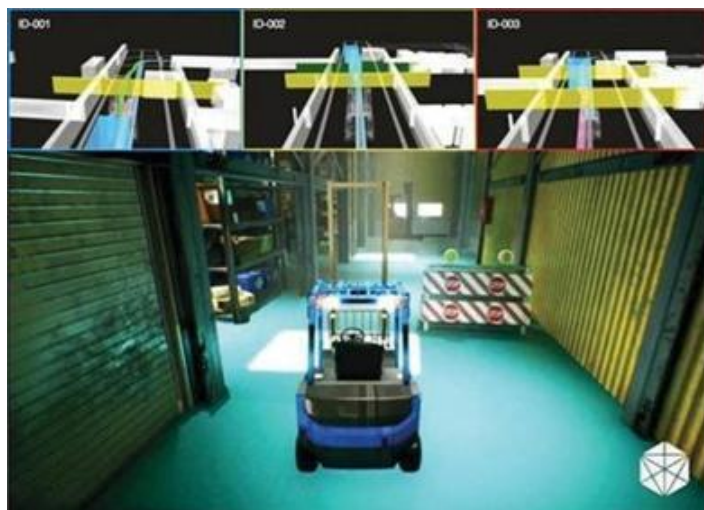
#### *Cyngn Insight: Intelligent Control Center*

Cyngn Insight is the customer-facing tool suite for managing AV fleets and aggregating data to extract business insights. Analytics dashboards surface data about the system's status, vehicle telemetry, and performance metrics. Cyngn Insight also provides tools to switch between autonomous, manual, and remote operation when required. This flexibility allows customers to use the autonomous capabilities of the system in a way that is tailored to their own operational environment. Customers can choose when to operate their DriveMod-powered vehicles autonomously and when to have human operators operate the vehicles manually or remotely based on their own business needs. When combined, these capabilities and tools make up the Cyngn Insight intelligent control center that enables flexible fleet management from any location.

Cyngn Insight's tool suite includes configurable cloud dashboards that aggregate diverse data streams at several levels of granularity (i.e., site, fleet, vehicle, module, and component). We can collect data during "open loop" vehicle operation, meaning that the vehicles can be operated manually while still collecting the rich data enabled by the advanced on-vehicle sensors and computers. Data can be used for predictive maintenance, operational improvements, educating employees on digital transformation and more.

#### *Cyngn Evolve: Data Optimization Tools*

Cyngn Evolve is our internal tool suite that underpins the relationship between AVs and data. Through a unifying cloud-based data infrastructure, our proprietary data tools strengthen the positive network effects derived from the valuable new data created by AVs. Cyngn Evolve and its data pipelines facilitate AI/ML training and deployment, manage data sets, and support driving simulation and grading to test and validate new DriveMod releases, using both real-world and simulated data.



**Figure 2: The Cyngn “AnyDrive” simulation is part of the Cyngn Evolve toolchain. The simulation environment creates a digital version of the physical world. This allows for customer data sets to be leveraged and augmented to achieve testing and validation prior to releasing new AV features.**

As AV technology expertise matures globally, there may be opportunities to monetize the sophisticated AV-centric tools of Cyngn Evolve. Currently, we believe that AV development is confined to small groups of experts. Therefore, Cyngn Evolve is currently an internal EAS tool that we use to advance DriveMod and Cyngn Insight, our customer-facing EAS products.

#### ***Intellectual Property Portfolio***

Our ability to drive impact and growth within the autonomous industrial vehicle market largely depends on our ability to obtain, maintain, and protect our intellectual property and all other property rights related to our products and technology. To accomplish this, we utilize a combination of patents, trademarks, copyrights, and trade secrets as well as employee and third-party non-disclosure agreements, licenses, and other contractual obligations. In addition to protecting our intellectual property and other assets, our success also depends on our ability to develop our technology and operate without infringing, misappropriating, or otherwise violating the intellectual property and property rights of third parties, customers, and partners.

Our software stack has over 30 subsystems, including those designed for perception, mapping & localization, decision making, planning, and control. As of February 29, 2024, we have 19 granted U.S. patents and submitted 6 pending U.S. patent and 20 international patent applications and expect to continue to file additional patent applications with respect to our technology in the future.

#### **Our Corporate Information**

The Company was originally incorporated in the State of Delaware on February 1, 2013, under the name Cyanogen, Inc. or Cyanogen. The Company started as a venture funded company with offices in Seattle and Palo Alto, aimed at commercializing CyanogenMod, direct to consumer and through collaborations with mobile phone manufacturers. CyanogenMod was an open-source operating system for mobile devices, based on the Android mobile platform. Cyanogen released multiple versions of its mobile operating system and collaborated with an ecosystem of companies including mobile phone OEMs, content providers and leading technology partners from 2013 to 2015.

In 2016 the Company's management and board of directors, determined to pivot its product focus and commercial direction from the mobile device and telecom space to industrial and commercial autonomous driving with the hiring of Lior Tal in June 2016 to serve as the company's chief operating officer. Mr. Tal, a seasoned executive of startup firms where prior to joining the company, co-founded Snaptu which later was acquired by Facebook (currently known as Meta Platforms, Inc.), as well as held various leadership roles at Actimize, DiskSites and Odigo; all of these companies which were also later acquired. Mr. Tal was promoted to chief executive officer in October 2016 and continues to serve in this role along with chairman of the board. In May 2017, the Company changed its name to CYNGN Inc.

#### **Available Information**

Our principal business address is 1015 O'Brien Dr., Menlo Park, CA 94025, and our telephone number is (650) 924-5905. We maintain our corporate website at <https://cyngn.com> (this website address is not intended to function *as a hyperlink and the information contained on our website is not intended to be a part of this prospectus*). Information on our website does not constitute a part of, nor is it incorporated in any way, into this prospectus and should not be relied upon in connection with making an investment decision. We make available free of charge on <https://investors.cyngn.com/> our annual, quarterly, and current reports, and amendments to those reports if any, as soon as reasonably practical after we electronically file such material with, or furnish it to, the SEC. We may from time to time provide important disclosures to investors by posting them in the Investor Relations section of our website.

Our common stock is quoted on the Nasdaq under the symbol "CYN". We file annual, quarterly, and current reports, proxy statements and other information with the U.S. Securities Exchange Commission (the "SEC") and are subject to the requirements of the Securities and Exchange Act of 1934, as amended (the Exchange Act). These filings are available to the public on the Internet at the SEC's website at <http://www.sec.gov>.



## THE OFFERING

Securities offered	19,800,00 shares of common stock and Pre-funded warrants to purchase an aggregate of 30,200,000 shares of common stock. We are also registering the shares of our common stock issuable upon exercise of the Pre-funded Warrants.
Pre-funded Warrants we are offering	We are also offering to those purchasers whose purchase of common stock in this offering would otherwise result in the purchaser, together with its affiliates and certain related parties, beneficially owning more than 4.99% (or, at the election of the purchaser, 9.99%) of our outstanding common stock immediately following the closing of this offering, in lieu of purchasing common stock, Pre-funded Warrants to purchase up to an aggregate of 30,200,000 shares of our common stock. Each Pre-funded Warrant is exercisable for one share of our common stock. The purchase price of each Pre-funded Warrant is equal to the price at which a share of common stock is being sold to the public in this offering, minus \$0.00001, and the exercise price of each Pre-funded Warrant is \$0.00001 per share. The Pre-funded Warrants are exercisable immediately and may be exercised at any time until all of the Pre-funded Warrants are exercised in full. This offering also relates to the shares of common stock issuable upon exercise of any Pre-funded Warrants sold in this offering. For each Pre-funded Warrant that we sell, the number of shares of common stock that we are offering will be reduced on a one-for-one basis.
Common stock outstanding immediately before this offering	89,390,638 shares of common stock.
Common stock to be outstanding after this offering	139,390,638 shares of common stock.
Over-allotment option	The underwriter has a 45-day option to purchase additional shares of common stock up to 15% of the total number of shares of common stock and/or Pre-funded Warrants sold in the offering.
Use of proceeds	<p>We estimate that the net proceeds of this offering will be approximately \$4.4 million (or approximately \$5.1 million if the underwriter exercises in full its over-allotment option), after deducting the estimated underwriting discounts and commissions and estimated offering costs payable by us.</p> <p>We intend to use the net proceeds of this offering for general corporate purposes, including working capital. See “Use of Proceeds.”</p>
Risk factors	Investing in our securities involves a high degree of risk. See “Risk Factors” beginning on page 7 of this prospectus for a discussion of factors to consider carefully before deciding to invest in shares of our common stock.
Nasdaq symbol	Our common stock is listed on Nasdaq under the symbol “CYN.”

Unless otherwise indicated, all information contained in this prospectus assumes the sale of 19,800,000 shares offered hereby at a public offering price of \$0.10 per share and the sale of 30,200,000 Pre-funded Warrants at a price of \$0.09999 per Pre-Funded Warrant and the exercise of the Pre-Funded Warrants. The number of shares of our common stock that are and will be outstanding immediately before and after this offering as shown above is based on 89,390,638 shares outstanding as of April 23, 2024. The number of shares outstanding as of April 23, 2024, as used throughout this prospectus, unless otherwise indicated, excludes, as of that date:

- 17,082,399 shares of common stock issuable upon the exercise of outstanding stock options with a weighted-average exercise price of \$1.02 per share;
- 160,992 shares of common stock issuable upon vesting of restricted stock unit awards with a weighted-average exercise price of \$0.00 per share;
- 8,582,134 shares of common stock reserved for future issuance under our 2021 Equity Incentive Plan; and
- 7,236,776 shares of common stock issuable upon exercise of warrants to purchase common stock with a weighted-average exercise price of \$2.82 per share.

## RISK FACTORS

*An investment in our securities involves a high degree of risk. You should carefully consider the following risks and all of the other information contained or incorporated by reference in this prospectus before deciding whether to invest in our securities, including the risks and uncertainties described below and under the caption “Risk Factors” in our most recently filed Annual Report on Form 10-K and Quarterly Report on Form 10-Q filed with the SEC, in each case as these risk factors are amended or supplemented by subsequent Annual Reports on Form 10-K or Quarterly Reports on Form 10-Q. Our business, financial condition, results of operations and future prospects may be adversely affected as a result of such risks. In such an event, the market price of our common stock could decline, and you could lose part or all of your investment.*

### **Risks Relating to this Offering and Ownership of Our Securities**

***Our management has concluded there is substantial doubt as to our ability to continue as a going concern if we are not able to raise sufficient capital.***

We incurred net losses of \$22.8 million and \$19.2 million for the years ended December 31, 2023, and 2022, respectively. As of December 31, 2023, we had \$3.6 million of cash. Based on cash flow projections from operating and financing activities and the existing balance of cash and short-term investments, management is of the opinion that the Company has insufficient funds for sustainable operations, and it may not be able to meet its payment obligations from operations and related commitments, if the Company is not able to raise sufficient capital or to allow the Company to continue as a going concern, for the next year. Our consolidated financial statements do not include any adjustments to reflect the possible future effects on the recoverability and classification of assets and liabilities that may result in the Company not being able to continue as a going concern.

The Company’s ability to continue as a going concern is dependent on management’s ability to successfully execute its business plan, which includes increasing revenue while controlling operating costs and expenses to generate positive operating cash flows and obtaining funds from outside sources of financing to generate positive financing cash flows.

There can be no assurance that any such measures will be successful. We currently do not generate substantial revenue from product sales. Accordingly, we expect to rely primarily on equity and/or debt financings to fund our continued operations. Our ability to raise additional funds will depend, in part, on the success of our product development activities, and other events or conditions that may affect our value or prospects, as well as factors related to financial, economic and market conditions, many of which are beyond our control. There can be no assurances that sufficient funds will be available to us when required or on acceptable terms, if at all. Even if successful in raising new capital, we could be limited in the amount of capital we raise due to investor demand restrictions placed on the amount of capital we raise or other reasons. For example, if we seek to raise funds utilizing our effective Registration Statement on Form S-3, we are subject to the limitations set forth in Instruction I.B.6 of Form S-3), which limits the amount we can raise to one-third of our public float, less shares sold in the prior twelve months under I.B.6. Accordingly, management has concluded that these plans do not alleviate substantial doubt about the Company’s ability to continue as a going concern.

If we are not successful in improving our liquidity position, we may be required to significantly delay, scale back, or discontinue the development or commercialization of our product candidates, pursue the sale of our company to a third party at a price that may result in a loss on investment for our stockholders, or file for bankruptcy or cease operations altogether. Any of these events could have a material adverse effect on our business, operating results and prospects.

***The Pre-funded Warrants will not be listed or quoted on any exchange.***

There is no established public trading market for the Pre-funded Warrants being offered in this offering, and we do not expect a market to develop. In addition, we do not intend to apply to list the Pre-funded Warrants on any national securities exchange or other nationally recognized trading system, including Nasdaq. Without an active market, the liquidity of the Pre-funded Warrants will be limited.

***Except as otherwise provided in the Pre-funded Warrants, holders of Pre-funded Warrants purchased in this offering will have no rights as stockholders until such holders exercise their Pre-funded Warrants and acquire our common stock.***

Except as otherwise provided in the Pre-funded Warrants, until holders of Pre-funded Warrants acquire our common stock upon exercise of the Pre-funded Warrants, holders of Pre-funded Warrants will have no rights with respect to our common stock underlying such Pre-funded Warrants. Upon exercise of the Pre-funded Warrants, the holders will be entitled to exercise the rights of a holder of our common stock only as to matters for which the record date occurs after the exercise date.

***The Pre-funded Warrants are speculative in nature.***

The Pre-funded Warrants offered hereby do not confer any rights of ownership of our shares of common stock on their holders, such as voting rights or the right to receive dividends, but rather merely represent the right to acquire shares of common stock at a fixed price. Specifically, commencing on the date of issuance, holders of the Pre-funded Warrants may acquire shares of common stock issuable upon exercise of such warrants at an exercise price of \$0.0001 per share of common stock. Moreover, following this offering, the market value of the Pre-funded Warrants is uncertain, and there can be no assurance that the market value of the Pre-funded Warrants will equal or exceed their public offering price.

***We are not in compliance with The NASDAQ Capital Market \$1.00 minimum bid price requirement and failure to maintain compliance with this standard could result in delisting and adversely affect the market price and liquidity of our common stock.***

Our common stock is currently traded on The NASDAQ Capital Market under the symbol “CYN”. If we fail to meet any of the continued listing standards of The NASDAQ Capital Market, our common stock will be delisted from The NASDAQ Capital Market. These continued listing standards include specifically enumerated criteria, such as a \$1.00 minimum closing bid price. On August 24, 2023, we received a letter from The NASDAQ Stock Market advising that the Company did not meet the minimum \$1.00 per share bid price requirement for continued inclusion on The NASDAQ Capital Market pursuant to NASDAQ Marketplace Listing Rule 5550(a)(2). To demonstrate compliance with this requirement, the closing bid price of our common stock needs to be at least \$1.00 per share for a minimum of 10 consecutive business days before February 20, 2024. On February 21, 2024, Nasdaq granted the Company an additional 180-day extension to continue its listing on the Nasdaq Capital Market. The Company was given until August 19, 2024 to regain compliance with Nasdaq’s \$1 minimum bid price per share requirement.

While we intend to regain compliance with the minimum bid price rule, there can be no assurance that we will be able to maintain continued compliance with this rule or the other listing requirements of The NASDAQ Capital Market. If we were unable to meet these requirements, we would receive another delisting notice from the Nasdaq Capital Market for failure to comply with one or more of the continued listing requirements. If our common stock were to be delisted from The NASDAQ Capital Market, trading of our common stock most likely will be conducted in the over-the-counter market on an electronic bulletin board established for unlisted securities such as the OTC Markets or in the “pink sheets.” Such a downgrading in our listing market may limit our ability to make a market in our common stock and which may impact purchases or sales of our securities.

***Our management will have broad discretion over the use of the net proceeds from this offering.***

We currently intend to use the net proceeds from the sale of our securities under this offering for general corporate purposes, including working capital. We have not reserved or allocated specific amounts for any of these purposes and we cannot specify with certainty how we will use the net proceeds (see “Use of Proceeds”). Accordingly, our management will have considerable discretion in the application of the net proceeds, and you will not have the opportunity, as part of your investment decision, to assess whether the proceeds are being used appropriately. We may use the net proceeds for corporate purposes that do not increase our operating results or market value.

***Future sales of our common stock could lower our stock price and dilute existing stockholders.***

We may, in the future, sell additional shares of common stock in subsequent public or private offerings. We cannot predict the size or terms of future issuances of our common stock or the effect, if any, that future sales and issuances of shares of our common stock will have on the market price of our common stock. Sales of substantial amounts of our common stock, or the perception that such sales could occur, may adversely affect prevailing market prices for our common stock. In addition, these sales may be dilutive to existing stockholders.

***We have not paid cash dividends in the past and do not expect to pay dividends in the future. Any return on investment may be limited to the value of our common stock, which may decrease in value.***

We have never paid cash dividends on our common stock and do not anticipate doing so in the foreseeable future. On September 29, 2023, our Board of Directors declared a one-time special dividend of 10% on our issued and outstanding shares of our common stock to holders of record on October 23, 2023. The payment of dividends on our common stock will depend on earnings, financial condition and other business and economic factors affecting us at such time as our board of directors may consider relevant. If we do not pay dividends, our common stock may be less valuable because a return on your investment will only occur if our stock price appreciates.

## CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

All statements in this prospectus and the documents incorporated by reference that are not historical facts should be considered “Forward Looking Statements” within the meaning of the “Safe Harbor” provisions of the Private Securities Litigation Reform Act of 1995. Such statements involve known and unknown risks, uncertainties and other factors that may cause actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Some of the forward-looking statements can be identified by the use words such as “believe,” “expect,” “may,” “estimates,” “should,” “seek,” “approximately,” “intend,” “plan,” “estimate,” “project,” “continue” or “anticipates” or similar expressions or words, or the negatives of those expressions or words. These statements may be made directly in this prospectus and they may also be incorporated by reference in this prospectus from other documents filed with the SEC, and include, but are not limited to, statements about future financial and operating results and performance, statements about our plans, objectives, expectations and intentions with respect to future operations, products and services, and other statements that are not historical facts. These forward-looking statements are based upon the current beliefs and expectations of our management and are inherently subject to significant business, economic and competitive uncertainties and contingencies, many of which are difficult to predict and generally beyond our control. In addition, these forward-looking statements are subject to assumptions with respect to future business strategies and decisions that are subject to change. Actual results may differ materially from the anticipated results discussed in these forward-looking statements.

## USE OF PROCEEDS

We estimate that the net proceeds from the sale of the securities we are offering will be approximately \$4.4 million (or approximately \$5.1 million if the underwriter exercises in full its over-allotment option), after deducting the estimated underwriting discounts and commissions and estimated offering costs payable by us. We intend to use the net proceeds we receive from this offering for general corporate purposes, including working capital.

As of the date of this prospectus, we cannot specify with certainty all of the particular uses for the net proceeds to us from this offering. Accordingly, our management will have broad discretion in the timing and application of these proceeds.

## CAPITALIZATION

The following table sets forth our cash, as well as our capitalization, as of December 31, 2023, as follows:

- on an actual basis; and
- on an as adjusted basis, giving effect to the sale by us of 19,800,000 shares of common stock and 30,200,000 Pre-Funded Warrants in this offering at a public offering price of \$0.10 per share of common stock and \$0.09999 per Pre-Funded Warrant, after underwriting discounts and commissions and other estimated offering expenses payable by us.

You should read this table in conjunction with “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” and our audited financial statements for the year ended December 31, 2023, and the related notes thereto, included in our annual report on Form 10-K for the year ended December 31, 2023 and incorporated by reference in this prospectus.

	<b>Actual</b>	<b>As Adjusted</b>
Cash	\$ 3,591,623	\$ 7,985,885
Total liabilities	\$ 2,398,167	\$ 2,398,167
Stockholders’ equity:		
Preferred stock, 10,000,000 authorized shares; \$0.00001 par value: 0 shares issued and outstanding	\$ -	\$ -
Common stock, 200,000,000 authorized shares; \$0.00001 par value; 64,773,756 shares issued and outstanding, actual, 114,773,756 shares issued and outstanding, as adjusted	\$ 648	\$ 1,148
Additional paid-in capital	\$ 170,652,160	\$ 175,045,922
Accumulated deficit	\$ (160,017,619)	\$ (160,017,619)
Total stockholders’ equity	\$ 10,635,189	\$ 15,029,451

The number of shares to be outstanding immediately after giving effect to this offering as shown above is based on 64,773,756 shares outstanding as of December 31, 2023, and excludes, as of such date:

- 17,503,253 shares of common stock issuable upon the exercise of outstanding stock options with a weighted-average exercise price of \$1.04 per share;
- 177,294 shares of common stock issuable upon vesting of restricted stock unit awards with a weighted-average exercise price of \$0.00 per share;
- 661,280 shares of common stock reserved for future issuance under our 2021 Equity Incentive Plan; and
- 7,236,776 shares of common stock issuable upon exercise of warrants to purchase common stock with a weighted-average exercise price of \$2.82 per share.

## DESCRIPTION OF CAPITAL STOCK

We are authorized to issue up to 200,000,000 shares of common stock, par value \$0.00001 per share, and 10,000,000 shares of preferred stock, par value \$0.00001 per share.

The following is a summary of the material terms of our capital stock and certain provisions of our certificate of incorporation and bylaws. Since the terms of our certificate of incorporation and bylaws, and Delaware law, are more detailed than the general information provided below, you should only rely on the actual provisions of those documents and Delaware law. If you would like to read those documents, they are on file with the SEC, as described under the heading “Where You Can Find More Information” below. The summary below is also qualified by provisions of applicable law.

### **Common Stock**

Our certificate of incorporation, as amended and restated (“Certificate of Incorporation”) authorize us to issue up to 200,000,000 shares of common stock, \$0.00001 par value. Each holder of our common stock is entitled to one (1) vote for each share held of record on all voting matters we present for a vote of stockholders, including the election of directors. Holders of common stock have no cumulative voting rights or preemptive rights to purchase or subscribe for any stock or other securities, and there are no conversion rights or redemption or sinking fund provisions with respect to our common stock. All shares of our common stock are entitled to share equally in dividends from sources legally available when, and if, declared by our Board of Directors.

Our Board of Directors is authorized to issue additional shares of common stock not to exceed the amount authorized by the Certificate of Incorporation, on such terms and conditions and for such consideration as the Board may deem appropriate without further stockholder action.

In the event of our liquidation or dissolution, all shares of our common stock are entitled to share equally in our assets available for distribution to stockholders. However, the rights, preferences and privileges of the holders of our common stock are subject to, and may be adversely affected by, the rights of the holders of shares of preferred stock that have been issued or shares of preferred stock that our Board of Directors may decide to issue in the future.

### **Pre-funded Warrants to be issued in this offering**

The following summary of certain terms and conditions of the Pre-funded Warrants is not complete and is subject to, and qualified in its entirety by, the provisions of Pre-funded Warrant, the form of which is filed as an exhibit to the registration statement of which this prospectus forms a part. Prospective investors should carefully review the terms and provisions of the form of Pre-funded Warrant for a complete description of the terms and conditions of the Pre-funded Warrants.

#### *General*

The term “pre-funded” refers to the fact that the purchase price of the Pre-funded Warrants in this offering includes almost the entire exercise price that will be paid under the Pre-funded Warrants, except for a nominal remaining exercise price of \$0.00001. The purpose of the Pre-funded Warrants is to enable investors that may have restrictions on their ability to beneficially own more than 4.99% (or, at the election of the holder, 9.99%) of our outstanding common stock following the consummation of this offering the opportunity to invest capital into the Company without triggering their ownership restrictions, by receiving Pre-funded Warrants in lieu of shares of our common stock which would result in such ownership of more than 4.99% (or, at the election of the holder, 9.99%), and receiving the ability to exercise their option to purchase the shares underlying the Pre-funded Warrants at a nominal price at a later date.

#### *Form*

The Pre-funded Warrants will be issued as individual warrant agreements to the investors. You should review the form of Pre-funded Warrant, filed as an exhibit to the registration statement of which this prospectus forms a part, for a complete description of the terms and conditions applicable to the Pre-funded Warrants.

### *Exercisability*

The Pre-funded Warrants are exercisable at any time after their original issuance. The Pre-funded Warrants will be exercisable, at the option of each holder, in whole or in part, by delivering to us a duly executed exercise notice accompanied by payment in full in immediately available funds for the number of shares of our common stock purchased upon such exercise (except in the case of a cashless exercise as described below). A holder (together with its affiliates) may not exercise any portion of the Pre-funded Warrant to the extent that the holder would own more than 4.99% (or, at the election of the holder, 9.99%) of the outstanding common stock immediately after exercise, except that upon at least 61 days' prior notice from the holder to us, the holder may increase the amount of ownership of outstanding stock after exercising the holder's Pre-funded Warrants up to 9.99% of the number of shares of our common stock outstanding immediately after giving effect to the exercise, as such percentage ownership is determined in accordance with the terms of the Pre-funded Warrants.

### *Duration and Exercise Price*

The exercise price per whole share of our common stock purchasable upon the exercise of the Pre-funded Warrants is \$0.00001 per share of common stock. The Pre-funded Warrants will be immediately exercisable and may be exercised at any time until the Pre-funded Warrants are exercised in full.

### *Cashless Exercise*

At any time after the issuance of the Pre-funded Warrants, in lieu of making the cash payment otherwise contemplated to be made to us upon such exercise in payment of the aggregate exercise price, the holder may instead receive upon such exercise (either in whole or in part) only the net number of shares of common stock determined according to a formula set forth in the Pre-funded Warrants. Notwithstanding anything to the contrary, in the event we do not have or maintain an effective registration statement, there are no circumstances that would require us to make any cash payments or net cash settle the Pre-funded Warrants to the holders.

### *Transferability*

Subject to applicable laws, the Pre-funded Warrants may be offered for sale, sold, transferred or assigned at the option of the holder upon surrender of the Pre-funded Warrants to us together with the appropriate instruments of transfer.

### *Exchange Listing*

There is no established trading market for the Pre-funded Warrants and we do not plan on applying to list the Pre-funded Warrants on The Nasdaq Capital Market any other national securities exchange or any other nationally recognized trading system.

### *Fundamental Transactions*

If, at any time while the Pre-funded Warrants are outstanding, (1) we consolidate or merge with or into another corporation whether or not the Company is the surviving corporation, (2) we sell, lease, license, assign, transfer, convey or otherwise dispose of all or substantially all of our assets, or any of our significant subsidiaries, (3) any purchase offer, tender offer or exchange offer (whether by us or another individual or entity) is completed pursuant to which holders of our common stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50% or more of our common stock, (4) we consummate a securities purchase agreement or other business combination with another person or entity whereby such other person or entity acquires more than 50% of our outstanding common stock, or (5) we effect any reclassification or recapitalization of our common stock or any compulsory exchange pursuant to which our common stock is converted into or exchanged for other securities, cash or property, or each, a "Fundamental Transaction," then upon any subsequent exercise of Pre-funded Warrants, the holders thereof will have the right to receive the same amount and kind of securities, cash or property as they would have been entitled to receive upon the occurrence of such Fundamental Transaction if they had been, immediately prior to such Fundamental Transaction, the holder of the number of shares of common stock then issuable upon exercise of those Pre-funded Warrants, and any additional consideration payable as part of the Fundamental Transaction.



### *Rights as a Stockholder*

Except by virtue of such holder's ownership of shares of our common stock or as otherwise set forth in the Pre-funded Warrants, the holder of a Pre-funded Warrant does not have the rights or privileges of a holder of our common stock, including any voting rights, until the holder exercises the Pre-funded Warrant.

### **Preferred Stock**

Our Certificate of Incorporation authorize us to issue up to 10,000,000 shares of preferred stock, \$0.00001 par value. Our Board of Directors is authorized, without further action by the stockholders, to issue shares of preferred stock and to fix the designations, number, rights, preferences, privileges, and restrictions thereof, including dividend rights, conversion rights, voting rights, terms of redemption, liquidation preferences and sinking fund terms. We believe that the Board of Directors' power to set the terms of, and our ability to issue preferred stock, will provide flexibility in connection with possible financing or acquisition transactions in the future. The issuance of preferred stock, however, could adversely affect the voting power of holders of common stock and decrease the amount of any liquidation distribution to such holders. The presence of outstanding preferred stock could also have the effect of delaying, deterring, or preventing a change in control of our Company.

### **Outstanding Warrants**

As of April 23, 2024, we had 7,236,776 outstanding warrants with a weighted average exercise price of \$2.82 per share, with a weighted average remaining life of 5 years.

### **Outstanding Options**

As of April 23, 2024, we have 17,082,399 outstanding options with a weighted average exercise price of \$1.02 per share, with a weighted average remaining contractual life of 7.04 years.

### **Restricted Stock Units (RSU)**

As of April 23, 2024, we have 160,992 outstanding RSUs.

### **Registration Rights**

We are parties to that certain second amended and restated investors' rights agreement dated December 24, 2014. At any time after the 180 days following the effectiveness of the registration statement in connection with our initial public offering, the holders of registrable securities, as described in the second amended and restated investors' rights agreement are entitled to rights with respect to the registration of their shares under the Securities Act. These rights are provided under the terms of the second amended and restated investors' rights agreement, and include demand registration rights, short-form registration rights and piggyback registration rights. All fees, costs and expenses of underwritten registrations will be borne by us and all selling expenses, including underwriting discounts and selling commissions, will be borne by the holders of the shares being registered, except for certain expense of counsel which shall be borne by the Company.

At any time after the 180 days following the effectiveness of the registration statement in connection with our initial public offering, the holders of at least a majority of the registrable securities then outstanding, may make a written request that we register all or a portion of such registrable securities, subject to certain specified conditions and exceptions. Such request for registration must cover at least 40% of the registrable securities then outstanding.

At any time we are eligible to file a registration statement on Form S-3 the holders of at least 30% of the registrable securities then outstanding may make a written request that we that we prepare and file a registration statement on Form S-3 under the Securities Act with respect to registrable securities of such holders having an anticipated aggregate offering price, net of selling expenses, of at least \$10 million, the Company, subject to certain specified conditions and exceptions.

If we propose to register any of our securities under the Securities Act in connection with the public offering of such securities solely for cash, the holders of our registrable securities, subject to certain exceptions, be entitled to include their shares in our registration statement. These registration rights are subject to specified conditions and limitations, including, but not limited to, the right of the underwriters to limit the number of shares included in any such offering under certain circumstances, but not below 30% of the total amount of securities included in such offering.

Our second amended and restated investors' rights agreement contains customary cross-indemnification provisions, under which we are obligated to indemnify holders of registrable securities in the event of material misstatements or omissions in the registration statement attributable to us, and they are obligated to indemnify us for material misstatements or omissions attributable to them.

The registration rights granted under the second amended and restated investor rights agreement will terminate on the earlier of the closing of a deemed liquidation event as defined in our second amended and restated certificate of incorporation, such time as Rule 144 is available for the sale of all of the holders' shares without limitation during a three-month period and the fifth anniversary of the completion of this offering.

On May 31, 2023, we filed a registration statement on Form S-3 which included an aggregate of 7,721,781 shares of our common stock held by the parties to the second amended and restated investor rights agreement.

## **Anti-Takeover Provisions**

### ***Certificate of Incorporation and Bylaw Provisions***

Our amended and restated certificate of incorporation and our amended and restated bylaws will include a number of provisions that may have the effect of deterring hostile takeovers or delaying or preventing changes in control of our management team, including the following:

***Classified Board.*** Our fifth amended and restated certificate of incorporation and amended and restated bylaws provide that our board of directors will be classified into three classes of directors, each of which will hold office for a three-year term. In addition, directors may only be removed from the board of directors for cause and only by the approval of two-thirds of the combined vote of our then outstanding shares of common stock. A third party may be discouraged from making a tender offer or otherwise attempting to obtain control of us as it is more difficult and time consuming for stockholders to replace a majority of the directors on a classified board of directors.

***Supermajority Approvals.*** Our amended and restated bylaws require the approval of two-thirds of the combined vote of our then-outstanding shares of our common stock to amend our bylaws. This will have the effect of making it more difficult to amend our amended and restated bylaws to remove or modify certain provisions.

***Advance Notice Requirements for Stockholder Proposals and Director Nominations.*** Our amended and restated bylaws provide advance notice procedures for stockholders seeking to bring business before our annual meeting of stockholders, or to nominate candidates for election as directors at any meeting of stockholders. Our amended and restated bylaws will also specify certain requirements regarding the form and content of a stockholder's notice. These provisions may preclude our stockholders from bringing matters before our annual meeting of stockholders or from making nominations for directors at our meetings of stockholders.

**Issuance of Undesignated Preferred Stock.** Our board of directors has the authority, without further action by the holders of our common stock, to issue up to 10,000,000 shares of undesignated preferred stock with rights and preferences, including voting rights, designated from time to time by the board of directors. The existence of authorized but unissued shares of preferred stock will enable our board of directors to render more difficult or discourage an attempt to obtain control of us by means of a merger, tender offer, proxy contest, or otherwise.

**Issuance of Unissued Stock.** Our shares of unissued common stock are available for future issuance without stockholder approval, subject to certain protections afforded to our preferred stock pursuant to our certificate of incorporation, as amended and restated. We may utilize these additional shares for a variety of corporate purposes, including future public offerings to raise additional capital, to facilitate corporate acquisitions, payment as a dividend on the capital stock or as equity compensation to our service providers under our equity compensation plans. The existence of unissued and unreserved common stock may enable our board of directors to issue shares to persons friendly to current management thereby protecting the continuity of our management. Also, if we issue additional shares of our authorized, but unissued, common stock, these issuances will dilute the voting power and distribution rights of our existing common stockholders.

### **Delaware Law**

We are governed by the provisions of Section 203 of the DGCL. In general, Section 203 prohibits a public Delaware corporation from engaging in a “business combination” with an “interested stockholder” for a period of three years after the date of the transaction in which the person became an interested stockholder, unless:

- the business combination or transaction which resulted in the stockholder becoming an interested stockholder was approved by the board of directors prior to the time that the stockholder became an interested stockholder;
- upon consummation of the transaction which resulted in the stockholder becoming an interested stockholder, the interested stockholder owned at least 85% of the voting stock of the corporation outstanding at the time the transaction commenced, excluding shares owned by directors who are also officers of the corporation and shares owned by employee stock plans in which employee participants do not have the right to determine confidentially whether shares held subject to the plan will be tendered in a tender or exchange offer; or
- at or subsequent to the time the stockholder became an interested stockholder, the business combination was approved by the board of directors and authorized at an annual or special meeting of the stockholders, and not by written consent, by the affirmative vote of at least two-thirds of the outstanding voting stock which is not owned by the interested stockholder.

In general, Section 203 defines a “business combination” to include mergers, asset sales and other transactions resulting in financial benefit to a stockholder and an “interested stockholder” as a person who, together with affiliates and associates, owns, or within three years did own, 15% or more of the corporation’s outstanding voting stock. These provisions may have the effect of delaying, deferring or preventing changes in control of our company.

### **Choice of Forum**

Our amended and restated certificate of incorporation provide that unless the Company consents in writing to the selection of an alternative forum, the Court of Chancery of the State of Delaware will be the exclusive forum for any derivative action or proceeding brought on our behalf; any action asserting a breach of fiduciary duty by any of our directors, officers or other employees to us or our stockholders; any action asserting a claim against the Company, our directors or officer or employees directors arising pursuant to any provision of the DGCL, our amended and restated certificate of incorporation or amended and restated bylaws or any other action asserting a claim against us our directors or officers or employees that is governed by the internal affairs doctrine. This choice of forum provision does not apply to actions brought to enforce a duty or liability created by the Exchange Act or any other claim for which federal courts have exclusive jurisdiction.

Furthermore, unless we consent in writing to the selection of an alternative forum, the federal district courts of the United States shall be the exclusive forum for the resolution of any complaint asserting a cause of action arising under the Securities Act. We intend for this provision to apply to any complaints asserting a cause of action under the Securities Act despite the fact that Section 22 of the Securities Act creates concurrent jurisdiction for the federal and state courts over all actions brought to enforce any duty or liability created by the Securities Act or the rules and regulations promulgated thereunder. The enforceability of similar choice of forum provisions in other companies' certificates of incorporation has been challenged in legal proceedings, and it is possible that a court could find these types of provisions in our certificate of incorporation to be inapplicable or unenforceable.

### **Limitations of Liability and Indemnification**

Our Certificate of Incorporation limits the liability of directors to the maximum extent permitted by the DGCL. The DGCL provides that directors of a corporation will not be personally liable for monetary damages for breach of their fiduciary duties as directors.

Our bylaws, as amended, provide that we will indemnify our directors and officers to the fullest extent permitted by law, and may indemnify employees and other agents. Our bylaws also provide that we are obligated to advance expenses incurred by a director or officer in advance of the final disposition of any action or proceeding.

Our bylaws, as amended, subject to the provisions of the DGCL, contain provisions which allow the corporation to indemnify any person against liabilities and other expenses incurred as the result of defending or administering any pending or anticipated legal issue in connection with service to us if it is determined that person acted in good faith and in a manner which he or she reasonably believed was in the best interest of the corporation. Insofar as indemnification for liabilities arising under the Securities Act of 1933 as amended, or the Securities Act, may be permitted to our directors, officers and controlling persons, we have been advised that in the opinion of the Securities and Exchange Commission, such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable.

The limitation of liability and indemnification provisions in our bylaws may discourage stockholders from bringing a lawsuit against directors for breach of their fiduciary duties. They may also reduce the likelihood of derivative litigation against directors and officers, even though an action, if successful, might provide a benefit to us and our stockholders. Our results of operations and financial condition may be harmed to the extent we pay the costs of settlement and damage awards against directors and officers pursuant to these indemnification provisions.

At present, there is no pending litigation or proceeding involving any of our directors or officers as to which indemnification is required or permitted, and we are not aware of any threatened litigation or proceeding that may result in a claim for indemnification.

### **Transfer Agent and Registrar**

The transfer agent and registrar for our common stock is Continental Stock Transfer & Trust Company. Its fax number is (801) 274-1099. Investors may reach our transfer agent at [info@actionstocktransfer.com](mailto:info@actionstocktransfer.com).

## UNDERWRITING

Aegis has agreed to act as our exclusive underwriter in connection with this offering. Under the terms of an underwriting agreement, which is filed as an exhibit to the registration statement, we have agreed to sell to the Underwriter and the Underwriter has agreed to purchase, at the public offering price less the underwriting discounts and commissions set forth on the cover page of this prospectus supplement, the following number of shares of common stock and Pre-funded Warrants:

Underwriter	Number of Shares	Number of Pre-funded Warrants
Aegis Capital Corp.	19,800,000	30,200,000

The underwriting agreement provides that the Underwriter's obligation to purchase shares of common stock and Pre-funded Warrants depends on the satisfaction of the conditions contained in the underwriting agreement including:

- the representations and warranties made by us to the underwriter are true;
- there is no material change in our business or the financial markets; and
- we deliver customary closing documents to the underwriter.

The Underwriter has agreed to purchase all of the shares of common stock and Pre-funded Warrants offered by this prospectus (other than those covered by the over-allotment option described below), if any are purchased under the underwriting agreement.

The Underwriter is offering the shares of common stock and Pre-funded Warrants subject to various conditions and may reject all or part of any order. The Underwriter has advised us that it proposes to offer the shares of common stock and Pre-funded Warrants directly to the public at the public offering price per share and Pre-funded Warrant, as applicable, that appears on the cover page of this prospectus supplement. In addition, the Underwriter may offer some of the common shares to other securities dealers at such price less a concession of \$0.0035 per share. After the shares of common stock are released for sale to the public, the Underwriter may change the offering price and other selling terms at various times.

### Over-Allotment Option

We have granted the Underwriter an over-allotment option. This option, which is exercisable for up to forty-five (45) days after the closing of the offering, permits the Underwriter to purchase a maximum of 7,500,000 additional shares of common stock (i.e., up to 15% of the shares of common stock and/or Pre-funded Warrants sold in this offering) from us to cover over-allotments, if any. The purchase price to be paid per additional share of common stock will be equal to the public offering price per share of common stock, less the underwriting discount. We will be obligated, pursuant to the option, to sell these additional shares of common stock to the underwriter to the extent the option is exercised. If any additional shares of common stock are purchased, the Underwriter will offer the additional shares on the same terms as those on which the other shares of common stock are being offered hereunder.

### Underwriting Discounts and Expenses

The following table shows the per share and total underwriting discounts we will pay to Aegis. These amounts are shown assuming both no exercise and full exercise of the underwriter's option to purchase additional securities.

## Underwriter Discounts and Expenses

We have engaged Aegis as our exclusive underwriter and book running manager in connection with this offering. Under the terms of an underwriting agreement, which is filed as an exhibit to the registration statement, we have agreed to sell to the Underwriter and the Underwriter has agreed to purchase, at the public offering price less the underwriting discounts and commissions set forth on the cover page of this prospectus, the following number of shares of common stock and Pre-funded Warrants:

	<b>Per Share of Common Stock</b>	<b>Per Pre-Funded Warrant</b>	<b>Total with no Over- Allotment</b>	<b>Total with Over- Allotment</b>
Public offering price	\$ 0.10	\$ 0.09999	\$ 4,999,685	\$ 5,750,000
Underwriting discounts and commissions (7.0%) <sup>(1)</sup>	\$ 0.007	\$ 0.00700	\$ 349,978	\$ 402,500
Proceeds, before expenses, to us	\$ 0.093	\$ 0.09299	\$ 4,649,707	\$ 5,347,500

(1) We have agreed to pay up to \$75,000 of the Underwriter's accountable expenses relating to the offering, including for road show, diligence, and legal expenses. We estimate the total expenses payable by us for this offering, excluding the Underwriter fees and expenses, will be approximately \$180,738

## Stabilization

In accordance with Regulation M under the Exchange Act, the Underwriter may engage in activities that stabilize, maintain or otherwise affect the price of our common stock, including short sales and purchases to cover positions created by short positions, stabilizing transactions, syndicate covering transactions, penalty bids and passive market making.

- Short positions involve sales by the underwriter of shares of common stock in excess of the number of shares the underwriter is obligated to purchase, which creates a syndicate short position. The short position may be either a covered short position or a naked short position. In a covered short position, the number of shares involved in the sales made by the underwriter in excess of the number of shares they are obligated to purchase is not greater than the number of shares that they may purchase by exercising their option to purchase additional shares. In a naked short position, the number of shares involved is greater than the number of shares in their option to purchase additional shares. The underwriter may close out any short position by either exercising their option to purchase additional shares or purchasing shares in the open market.
- Stabilizing transactions permit bids to purchase the underlying security as long as the stabilizing bids do not exceed a specific maximum price.
- Syndicate covering transactions involve purchases of our shares of common stock in the open market after the distribution has been completed to cover syndicate short positions. In determining the source of shares to close out the short position, the underwriter will consider, among other things, the price of shares available for purchase in the open market as compared to the price at which they may purchase shares through the underwriter's option to purchase additional shares. If the underwriter sells more shares than could be covered by the underwriter's option to purchase additional shares, thereby creating a naked short position, the position can only be closed out by buying shares in the open market. A naked short position is more likely to be created if the underwriter is concerned that there could be downward pressure on the price of the shares in the open market after pricing that could adversely affect investors who purchase in the offering.

- Penalty bids permit the representative to reclaim a selling concession from a syndicate member when the shares of common stock originally sold by the syndicate member is purchased in a stabilizing or syndicate covering transaction to cover syndicate short positions.
- In passive market making, market makers in our common stock who are underwriters or prospective underwriters may, subject to limitations, make bids for or purchase our common stock until the time, if any, at which a stabilizing bid is made.

These activities may have the effect of raising or maintaining the market price of our common stock or preventing or retarding a decline in the market price of our common stock. As a result of these activities, the price of our common stock may be higher than the price that might otherwise exist in the open market. These transactions may be effected on NASDAQ or otherwise and, if commenced, may be discontinued at any time.

Neither we nor the Underwriter makes any representation or prediction as to the direction or magnitude of any effect that the transactions described above may have on the price of our common stock. In addition, neither we nor the underwriter makes any representation that Aegis will engage in these stabilizing transactions or that any transaction, once commenced, will not be discontinued without notice.

### **Listing**

Our common stock is listed on The Nasdaq Capital Market under the trading symbol “CYN.” We do not plan to list the Pre-funded Warrants on the Nasdaq Capital Market or any other securities exchange or trading market.

### **Lock-Up Agreements**

Pursuant to “lock-up” agreements, our executive officers and directors have agreed, subject to limited exceptions, not to directly or indirectly offer to sell, sell, pledge or otherwise transfer or dispose of any of shares of (or enter into any transaction or device that is designed to, or could be expected to, result in the transfer or disposition by any person at any time in the future of) our common stock, enter into any swap or other derivatives transaction that transfers to another, in whole or in part, any of the economic benefits or risks of ownership of shares of our common stock, make any demand for or exercise any right or cause to be filed a registration statement, including any amendments thereto, with respect to the registration of any shares of common stock or securities convertible into or exercisable or exchangeable for common stock or any of our other securities or publicly disclose the intention to do any of the foregoing, subject to customary exceptions, for a period of ninety (90) days from the closing date of this offering. The lock-up shall not apply to transactions under any Rule 10b5-1 sales plan or transactions under or modifications to any Rule 10b5-1 sales plan by the Company’s officers and directors.

### **Securities Issuance Standstill**

In addition, we have agreed that for a period of thirty (30) days from the closing date of the offering, without the prior written consent of the Underwriter, we will not (a) offer, sell, issue, or otherwise transfer or dispose of, directly or indirectly, any equity of the Company or any securities convertible into or exercisable or exchangeable for equity of the Company; (b) file or caused to be filed any registration statement with the Securities and Exchange Commission relating to the offering of any equity of the Company or any securities convertible into or exercisable or exchangeable for equity of the Company; or (c) enter into any agreement or announce the intention to effect any of the actions described in subsections (a) or (b) hereof.

### **Discretionary Accounts**

The Underwriter does not intend to confirm sales of the securities offered hereby to any accounts over which it has discretionary authority.

### **Passive Market Making**

In connection with this offering, the Underwriter may engage in passive market making transactions in our common stock on the Nasdaq Stock Market in accordance with Rule 103 of Regulation M promulgated under the Exchange Act during a period before the commencement of offers or sales of shares of our common stock and extending through the completion of the distribution.

## **Indemnification**

We have agreed to indemnify the Underwriter against certain liabilities, including liabilities under the Securities Act, and liabilities arising from breaches of representations and warranties contained in the underwriting agreement, or to contribute to payments that the Underwriter may be required to make in respect of those liabilities.

## **Electronic Distribution**

This prospectus may be made available in electronic format on websites or through other online services maintained by the Underwriter or by an affiliate. Other than this prospectus, the information on the Underwriter's website and any information contained in any other website maintained by the Underwriter is not part of this prospectus or the registration statement of which this prospectus forms a part, has not been approved and/or endorsed by us or the Underwriter, and should not be relied upon by investors.

## **Transfer Agent and Registrar**

Continental Stock Transfer & Trust Company serves as the transfer agent and registrar for our common stock.

## **Other Activities and Relationships**

The Underwriter and certain of its affiliates are full service financial institutions engaged in various activities, which may include securities trading, commercial and investment banking, financial advisory, investment management, investment research, principal investment, hedging, financing and brokerage activities. The Underwriter and certain of its affiliates have, from time to time, performed, and may in the future perform, various commercial and investment banking and financial advisory services for us and our affiliates, for which they received or will receive customary fees and expenses.

In the ordinary course of their various business activities, the Underwriter and certain of its affiliates may make or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities) and financial instruments (including bank loans) for their own account and for the accounts of their customers, and such investment and securities activities may involve securities and/or instruments issued by us and our affiliates. If the Underwriter or its affiliates have a lending relationship with us, they routinely hedge their credit exposure to us consistent with their customary risk management policies. The Underwriter and its affiliates may hedge such exposure by entering into transactions that consist of either the purchase of credit default swaps or the creation of short positions in our securities or the securities of our affiliates, including potentially the common stock offered hereby. Any such short positions could adversely affect future trading prices of the common stock offered hereby. The Underwriter and certain of its affiliates may also communicate independent investment recommendations, market color or trading ideas and/or publish or express independent research views in respect of such securities or instruments and may at any time hold, or recommend to clients that they acquire, long and/or short positions in such securities and instruments.

The Underwriter served as the sole underwriter for the Company for a best-efforts offering which closed December 12, 2023 and served as the placement agent for a placement that closed April 29, 2022.

The foregoing does not purport to be a complete statement of the terms and conditions of the underwriting agreement, copies of which are attached to the registration statement of which this prospectus is a part. See "Where You Can Find More Information."

## **Offer Restrictions Outside the United States**

Other than in the United States, no action has been taken by us or the Underwriter that would permit a public offering of the securities offered by this prospectus in any jurisdiction where action for that purpose is required. The securities offered by this prospectus may not be offered or sold, directly or indirectly, nor may this prospectus or any other offering material or advertisements in connection with the offer and sale of any such securities be distributed or published in any jurisdiction, except under circumstances that will result in compliance with the applicable rules and regulations of that jurisdiction. Persons who come into possession of this prospectus are advised to inform themselves about and to observe any restrictions relating to the offering and the distribution of this prospectus. This prospectus does not constitute an offer to sell or a solicitation of an offer to buy any securities offered by this prospectus in any jurisdiction in which such an offer or a solicitation is unlawful.

## **LEGAL MATTERS**

We are being represented by Sichenzia Ross Ference Carmel LLP, New York, New York, with respect to certain legal matters as to United States federal securities and New York state law. The enforceability of the Pre-funded Warrants will be passed upon for us by Sichenzia Ross Ference Carmel LLP, New York, New York. The Underwriter is being represented by Kaufman & Canoles, P.C, Richmond, VA in connection with this offering.

## **EXPERTS**

The consolidated balance sheets of the Company as of December 31, 2023 and 2022, the related consolidated statements of operations, stockholders' equity and cash flows for each of the two years in the period ended December 31, 2023 and the related notes, have been audited by Marcum LLP, independent registered public accounting firm, as stated in their report, which includes an explanatory paragraph as to the Company's ability to continue as a going concern, which is incorporated herein by reference. Such financial statements have been incorporated herein by reference in reliance on the report of such firm given upon their authority as experts in accounting and auditing.



## INFORMATION INCORPORATED BY REFERENCE

The SEC allows us to “incorporate by reference” information that we file with them. Incorporation by reference allows us to disclose important information to you by referring you to those other documents. The information incorporated by reference is an important part of this prospectus, and information that we file later with the SEC will automatically update and supersede this information. We filed a registration statement on Form S-1 under the Securities Act with the SEC with respect to the securities being offered pursuant to this prospectus. This prospectus omits certain information contained in the registration statement, as permitted by the SEC. You should refer to the registration statement, including the exhibits and schedules attached to the registration statement and the information incorporated by reference, for further information about us and the securities being offered pursuant to this prospectus. Statements in this prospectus regarding the provisions of certain documents filed with, or incorporated by reference in, the registration statement are not necessarily complete, and each statement is qualified in all respects by that reference. Copies of all or any part of the registration statement, including the documents incorporated by reference or the exhibits, may be obtained upon payment of the prescribed rates at the offices of the SEC listed below in “Where You Can Find More Information.” The documents we are incorporating by reference into this prospectus are:

- Our Annual Report on [Form 10-K](#) for the fiscal year ended December 31, 2023, filed with the SEC on March 7, 2024;
- Our Current Report on [Form 8-K](#) filed on February 21, 2024; and
- The description of our common stock contained in our Registration Statement on [Form 8-A](#), registering our common stock under Section 12(b) under the Exchange Act, filed with the SEC on October 19, 2021.

All documents subsequently filed by us with the SEC under Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act (other than current reports on Form 8-K furnished pursuant to Item 2.02 or Item 7.01 of Form 8-K, including any exhibits included with such information, unless otherwise indicated therein) prior to the termination or completion of the offering made pursuant to this prospectus are also incorporated herein by reference and will automatically update and supersede information contained or incorporated by reference in this prospectus.

You may request a copy of these filings, at no cost, by writing or telephoning us at the following address: Cyngn Inc., Attention: Corporate Secretary, 1015 O’Brien Dr., Menlo Park, CA 94025, phone number (650) 924-5905.

## WHERE YOU CAN FIND MORE INFORMATION

We have filed with the SEC a registration statement on Form S-1 under the Securities Act with respect to the securities offered hereby. This prospectus, which constitutes a part of the registration statement, does not contain all of the information set forth in the registration statement or the exhibits and schedules filed therewith. For further information about us and our securities offered hereby, we refer you to the registration statement and the exhibits and schedules filed therewith. Statements contained in this prospectus regarding the contents of any contract or any other document that is filed as an exhibit to the registration statement are not necessarily complete, and each such statement is qualified in all respects by reference to the full text of such contract or other document filed as an exhibit to the registration statement. The SEC maintains a website that contains reports, proxy and information statements and other information regarding registrants that file electronically with the SEC. The address is <http://www.sec.gov>.

We are subject to the reporting requirements of the Exchange Act, and file annual, quarterly and current reports, proxy statements and other information with the SEC. You can read our SEC filings, including the registration statement, over the Internet at the SEC’s website. We also maintain a website at <http://www.cyngn.com>, at which you may access these materials free of charge as soon as reasonably practicable after they are electronically filed with, or furnished to, the SEC. The information contained in, or that can be accessed through, our website is not part of this prospectus. You may also request a copy of these filings, at no cost, by writing or telephoning us at: 1015 O’Brien Dr., Menlo Park, CA 94025, phone number (650) 924-5905.

**Prospectus**



19,800,000 shares of Common Stock  
Pre-funded Warrants to Purchase 30,200,000 Shares of Common Stock  
Up to 30,200,000 shares of Common Stock underlying the Pre-funded Warrants

*Sole Underwriter*

**AEGIS CAPITAL CORP.**

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