

**PROSPECTUS SUPPLEMENT
(to Prospectus dated May 29, 2025)**

Up to \$663,814 Common Stock

NAUTICUS ROBOTICS, INC.

We previously entered into an At The Market Offering Agreement (the “Sales Agreement”) with H.C. Wainwright & Co., LLC, or Wainwright, relating to shares of our common stock, \$0.0001 par value per share, offered by this prospectus supplement and the accompanying prospectus. In accordance with the terms of the Sales Agreement, we may offer and sell shares of our common stock having an aggregate offering price of up to \$663,814 from time to time through or to Wainwright, acting as agent or principal. You should read this prospectus supplement and the accompanying prospectus, as well as the documents incorporated or deemed to be incorporated by reference herein or therein, before you invest.

Our common stock is traded on the Nasdaq Capital Market under the symbol “KITT.” On May 14, 2025, the closing price of our common stock was \$1.09 per share.

Sales of our common stock, if any, under this prospectus supplement may be made in sales deemed to be an “at the market offering” as defined in Rule 415(a)(4) promulgated under the Securities Act of 1933, as amended, or the Securities Act), including sales made directly on or through the Nasdaq Capital Market, the existing trading market for our common stock, sales made to or through a market maker other than on an exchange or otherwise, directly to Wainwright as principal, in negotiated transactions at market prices prevailing at the time of sale or at prices related to such prevailing market prices, and/or in any other method permitted by applicable law. Wainwright is not required to sell any specific number or dollar amount of securities but will act as a sales agent using commercially reasonable efforts consistent with its normal trading and sales practices, on mutually agreed terms between Wainwright and us. There is no arrangement for funds to be received in any escrow, trust, or similar arrangement.

The compensation to Wainwright for sales of common stock sold pursuant to the Sales Agreement will be at a fixed commission rate of 3.0% of the gross proceeds of any shares of common stock sold under the Sales Agreement. In connection with the sale of the common stock on our behalf, Wainwright will be deemed to be an “underwriter” within the meaning of the Securities Act and the compensation of Wainwright will be deemed to be underwriting commissions or discounts. We have also agreed to provide indemnification and contribution to Wainwright with respect to certain liabilities, including liabilities under the Securities Act or the Securities Exchange Act of 1934, as amended, or the Exchange Act.

The aggregate market value of the outstanding shares of our common stock held by non-affiliates is approximately \$40,400,946, which was calculated in accordance with General Instruction I.B.6 of Form S-3 and is based on 37,065,088 shares outstanding held by non-affiliates, and a price per share of \$1.09, which was the last reported sale price of our common stock on the Nasdaq Capital Market on May 14, 2025. Pursuant to General Instruction I.B.6 of Form S-3, in no event will the aggregate market value of securities sold by us or on our behalf in a primary offering pursuant to the registration statement of which this prospectus forms a part during any 12-calendar-month period exceed one-third of the aggregate market value of our common stock held by non-affiliates, so long as the aggregate market value of our common stock held by non-affiliates is less than \$75.0 million. During the 12 calendar months prior to and including the date of this prospectus, we have offered and sold common stock with gross proceeds of \$12,803,168, pursuant to General Instruction I.B.6 of Form S-3. As a result of these limitations and the current public float of our common stock, and in accordance with the terms of the Sales Agreement, we may offer and sell shares of our common stock having an aggregate offering price of up to approximately \$663,814 from time to time through Wainwright. If our public float increases such that we may sell

additional amounts under the Sales Agreement and the prospectus, of which the prospectus supplement is a part, we will file an amendment to the prospectus supplement prior to making additional sales.

We are an emerging growth company and a smaller reporting company as defined under federal securities laws and, as such, may elect to comply with certain reduced public company reporting requirements for future filings. Investing in our securities involves certain risks. See “Risk Factors” on page S-3 of this prospectus supplement and on page 1 of the accompanying prospectus, and in the documents incorporated by reference herein and therein, for a discussion of the factors you should carefully consider before deciding to purchase our common stock.

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.

H.C. Wainwright & Co.

The date of this prospectus supplement is June 30, 2025.

TABLE OF CONTENTS

ABOUT THIS PROSPECTUS SUPPLEMENT	S-1
CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS	S-2
ABOUT THE COMPANY	S-5
THE OFFERING	S-6
RISK FACTORS	S-7
USE OF PROCEEDS	S-10
DIVIDEND POLICY	S-11
DILUTION	S-12
DESCRIPTION OF COMMON STOCK	S-14
PLAN OF DISTRIBUTION	S-15
LEGAL MATTERS	S-16
EXPERTS	S-17
WHERE YOU CAN FIND MORE INFORMATION	S-18
INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE	S-19

ABOUT THIS PROSPECTUS SUPPLEMENT

This prospectus supplement is part of a registration statement that we have filed with the Securities and Exchange Commission, or SEC, utilizing a “shelf” registration process. Under the shelf registration process, we may offer shares of our common stock having an aggregate offering price of up to \$663,814 from time to time under this prospectus supplement and the accompanying prospectus at prices to be determined by market conditions at the time of offering.

We provide information to you about this offering of shares of our common stock in two separate documents that are bound together: (1) this prospectus supplement, which describes the specific details regarding this offering; and (2) the accompanying prospectus, which provides general information, some of which may not apply to this offering. Generally, when we refer to this “prospectus,” we are referring to both documents combined. If information in this prospectus supplement is inconsistent with the accompanying prospectus, you should rely on this prospectus supplement. However, if any statement in one of these documents is inconsistent with a statement in a document having a later date incorporated by reference in this prospectus, the statement in the document incorporated by reference modifies or supersedes the earlier statement as our business, financial condition, results of operations and prospects may have changed since the earlier dates.

You should rely only on the information contained in, or incorporated by reference into, this prospectus supplement, the accompanying prospectus, and in any free writing prospectus that we may authorize for use in connection with this offering. We have not, and Wainwright has not, authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not, and Wainwright is not, making an offer to sell or soliciting an offer to buy our securities in any jurisdiction in which an offer or solicitation is not authorized or in which the person making that offer or solicitation is not qualified to do so or to anyone to whom it is unlawful to make an offer or solicitation. You should assume that the information appearing in this prospectus supplement, the prospectus, the documents incorporated by reference herein and therein, and in any free writing prospectus that we may authorize for use in connection with this offering, is accurate only as of the date of those respective documents. Our business, financial condition, results of operations and prospects may have changed since those dates. You should read this prospectus supplement, the prospectus, the documents incorporated by reference herein and therein, and any free writing prospectus that we may authorize for use in connection with this offering, in their entirety before making an investment decision. You should also read and consider the information in the documents to which we have referred you in the sections of this prospectus entitled “Where You Can Find More Information” and “Incorporation of Certain Information by Reference.”

We are offering to sell, and seeking offers to buy, shares of common stock only in jurisdictions where offers and sales are permitted. The distribution of this prospectus and the offering of the 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 the 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.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus supplement, the accompanying prospectus, and the information incorporated by reference herein and therein contain certain statements that constitute “forward-looking statements” within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act. Any and all statements contained in this prospectus supplement, the accompanying prospectus and the documents incorporated herein and therein by reference that are not statements of historical fact may be deemed forward-looking statements. Terms such as “may,” “might,” “would,” “should,” “could,” “project,” “estimate,” “pro-forma,” “predict,” “potential,” “strategy,” “anticipate,” “attempt,” “develop,” “plan,” “help,” “believe,” “continue,” “intend,” “expect,” “future,” and terms of similar import (including the negative of any of the foregoing) may be intended to identify forward-looking statements. However, not all forward-looking statements may contain one or more of these identifying terms. Those statements appear in this prospectus supplement, the accompanying prospectus, and the documents incorporated herein and therein by reference, and include statements regarding the intent, belief, or current expectations of the company and management that are subject to known and unknown risks, uncertainties, and assumptions and other factors that could cause actual results and the timing of certain events to differ materially from future results expressed or implied by such forward-looking statements. Except as required by applicable law, we undertake no obligation to update or revise any forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, those discussed in the section entitled “Risk Factors” beginning on page S-3, including:

- We are an early-stage company with a history of losses and expect to incur significant expenses for the foreseeable future.
- Our consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States assuming the Company will continue as a going concern. The going concern assumption contemplates the realization of assets and satisfaction of liabilities in the normal course of business.
- We identified material weaknesses in our internal control over financial reporting which we are working to remediate. These material weaknesses could continue to adversely affect our ability to report our results of operations and financial condition accurately and in a timely manner.
- If we fail to maintain an effective system of internal controls, our ability to produce timely and accurate financial statements or comply with applicable regulations could be adversely affected.
- A significant amount of our revenues is derived from a limited number of customers. A material portion of our revenue may be generated by sales to government entities, which are subject to a number of uncertainties, challenges, and risks.
- If we fail to effectively manage our limited financial and intellectual resources, we may not be able to design, develop, manufacture, market, and launch new generations of our robotic systems successfully.
- Our operating and financial projections rely on management assumptions and analyses. If these assumptions or analyses prove to be incorrect, our actual operating results may be materially different from our forecasted results.
- We may be unable to raise sufficient affordable capital needed to fund and grow our business.
- If we are successful in commercializing our products and services, our revenue will be concentrated in a limited number of models and a limited number of operating units for the foreseeable future.

- Defects, glitches, or malfunctions in our products or the software that operates them, failure of our products to perform as expected, connectivity issues or operator errors could result in product recalls, lower than expected return on investment for customers, and could cause harm to operators and significant safety concerns, each of which could adversely affect our results of operations, financial condition and our reputation.
- Our ability to manufacture products of sufficient quality on schedule is unproven, and delays in the design, production and launch of our products and services could harm our business, financial condition, results of operations, cash flows, reputation and prospects.
- We are or may be subject to risks associated with strategic alliances or acquisitions and may not be able to identify adequate strategic relationship opportunities, or form strategic relationships, in the future.
- We are highly dependent on the services of our senior management and other key employees and if we are unable to attract and retain a sufficient number of qualified employees, our ability to design, manufacture and launch our products, provide services, operate our business and compete could be harmed.
- We incur significant expenses and administrative burdens as a public company, which could have a material adverse effect on our business, financial condition, result of operations, cash flows, reputation and prospects.
- We are dependent on our suppliers, some of which are currently single or limited source suppliers, and the inability or other failure of these suppliers to deliver necessary components of our products at prices and volume and with specifications and performance characteristics acceptable to us, could have a material adverse effect on our business, financial condition, results of operations, cash flows, reputation and prospects. We have not yet identified all of the suppliers that we are likely to rely on to support future commercialization of our core products.
- We may be unable to adequately control the costs associated with our operations.
- We operate in a competitive industry that is subject to rapid technological change, and we expect competition to increase.
- Our financial results may vary significantly from period to period due to fluctuations in our operating costs, demand for our products and services, seasonal variation and other factors.
- We have yet to achieve positive operating cash flow and, given our projected funding needs, our ability to generate positive cash flow is uncertain.
- As part of growing our business, we may undertake acquisitions, from time to time. If we fail to successfully select, execute, or integrate our acquisitions, our business, results of operations and financial condition could be materially adversely affected, and our stock price could decline.
- If we are unable to adapt to and satisfy customer demands in a timely and cost-effective manner, our ability to grow our business may suffer.
- We have government customers which subjects us to risks including early termination, audits, investigations, sanctions and penalties.

- We may issue a significant number of shares or equity-linked securities in the future in connection with investments or acquisitions or other efforts to raise capital.
- If certain holders of common stock sell a significant portion of their securities, it may negatively impact the market price of the shares of our common stock and such holders still may receive significant proceeds.
- If we are unable to maintain compliance with Nasdaq's listing criteria, including their minimum bid price rule and minimum market value and stockholder equity requirement, Nasdaq may delist the Company's stock.
- We are an emerging growth company and smaller reporting company, and as such are subject to various risks unique only to emerging growth companies, including, but not limited to, risks associated with taking advantage of certain exemptions from disclosure requirements available to emerging growth companies or smaller reporting companies, which could, among other things, make our securities less attractive to investors and may make it more difficult to compare our performance with certain public companies.
- We may redeem unexpired warrants prior to their exercise at a time that is disadvantageous to investors, thereby making our public warrants worthless. We may redeem outstanding our Series A preferred convertible stock and November 2024 debentures.
- Currently outstanding options and warrants are exercisable for shares of our common stock. Additionally, we have previously issued preferred convertible stock, convertible debentures and convertible term loans. Any future exercise of such options or warrants, or conversion of such preferred convertible stock, convertible debentures or convertible term loans, would increase the number of shares of our common stock eligible for future resale in the public market and result in dilution to our stockholders.

ABOUT THE COMPANY

This summary description about us and our business highlights selected information contained elsewhere in this prospectus supplement or incorporated in this prospectus supplement by reference. This summary does not contain all of the information you should consider before buying common stock in this offering. You should carefully read this entire prospectus supplement, the accompanying prospectus, and any free writing prospectus, including each of the documents incorporated herein or therein by reference, before making an investment decision. Unless otherwise indicated or the context otherwise requires, references in this prospectus supplement to “Nauticus Robotics,” the “Company,” “we,” “us,” and “our” refer to Nauticus Robotics, Inc. and its subsidiaries.

Overview

Nauticus Robotics, Inc. is a developer of ocean robots, cloud software and services delivered to the ocean industry. Our portfolio includes fully autonomous underwater vehicles (“AUVs”), robotic manipulators, an open robotic operating system, and related consulting and prototype services with a strong alignment to offshore energy and national security interests. Our technology solutions enable autonomous operations for both the commercial and defense sectors. To effectively enter markets dominated by legacy solutions, we have developed innovative and value-driven technologies. Our flagship autonomous fully electric vehicle, Aquanaut, provides advantages over conventionally tethered Remotely Operated Vehicles (ROVs) and untethered AUVs. Aquanaut represents the next generation of subsea robotics integrating eight independent thrusters to precisely propel and position a hull design to maximize efficiency and speed high-resolution data collection, and autonomous fully electric manipulation comparable to traditional ROV operations. ToolKITT is a sophisticated software platform that governs our suite of robotic products. It enables robots to perceive their environment, navigate in three dimensions, make autonomous decisions, and execute tasks with minimal human intervention. ToolKITT has been deployed on third party commercial ROVs and competing robotic platforms, enhancing our ability to offer advanced inspection and intervention services. This software also plays a critical role in next-generation inspection services, a key industry need for ensuring the integrity of subsea pipelines and offshore infrastructure. The Olympic Arm is a fully electric subsea manipulator designed for complex intervention tasks on both work-class ROVs and Aquanaut. Its patented electric actuators replace traditional hydraulic systems. The strategic acquisition of SeaTrepid International LLC (“SeaTrepid”) intends to integrate Nauticus AI-driven autonomy software, ToolKITT, into SeaTrepid’s existing remotely operated vehicle (ROV) fleet. The combination will showcase unprecedented advancements in power efficiency and operational performance across the industry. The ability of ROVs and Aquanaut to seamlessly communicate at depth unlocks new service opportunities, enabling two autonomous systems to collaborate in delivering cutting-edge underwater solutions.

Our common stock trades on the Nasdaq Capital Market under the stock ticker symbol “KITT.”

Corporate Information

The address of our principal executive offices is 17146 Feathercraft Lane, Suite 450, Webster, Texas 77598. Our phone number is (281) 942-9069. Our website address is www.nauticusrobotics.com.

THE OFFERING

Common stock offered by us	Shares of our common stock having an aggregate offering price of up to \$663,814, or up to 609,004 shares, assuming sales at a price of \$1.09 per share, which was the closing price of our common stock on the Nasdaq on May 14, 2025. The actual number of shares issued will vary depending on the sales price under this offering.
Common stock to be outstanding immediately after the offering	<p>Up to 37,907,342 shares, assuming sales of 609,004 shares at a price of \$1.09 per share, which was the closing price of our common stock on the Nasdaq Capital Market on May 14, 2025, and excludes as of such date:</p> <ul style="list-style-type: none">• 16,916 shares of common stock issuable upon exercise of stock options outstanding under our equity incentive plans, with a weighted-average exercise price of \$72.51 per share;• 545,419 shares of common stock issuable upon exercise of outstanding warrants, with a weighted average exercise price of \$9.25 per share;• 2,097,561 shares of common stock issuable upon conversion of outstanding convertible debentures;• 5,672,022 shares of common stock issuable upon conversion of outstanding convertible term loans;• 17,849,756 shares of common stock issuable upon conversion of outstanding preferred equity; and• 271,048 shares of common stock available for future issuance under our 2022 Omnibus Incentive Plan.
Plan of Distribution	“At the market offering” that may be made from time to time through or to Wainwright, as sales agent or principal. See “Plan of Distribution” on page S-11.

Use of Proceeds

We intend to use the net proceeds, if any, from this offering for working capital and general corporate purposes. See “Use of Proceeds” beginning on page S-6 of this prospectus supplement.

Risk Factors

Investing in our common stock involves significant risks. Please read the information contained in and incorporated by reference under the heading “Risk Factors” on page S-3 of this prospectus supplement and under similar headings in the other documents that are filed after the date hereof and incorporated by reference into this prospectus supplement, together with the other information included in or incorporated by reference into this prospectus supplement, before deciding whether to invest in our common stock.

The Nasdaq Capital Market Symbol

KITT

RISK FACTORS

Investing in our common stock involves significant risks. Please see the risk factors under the heading “Risk Factors” in any prospectus supplement as well as in our most recent Annual Report on Form 10-K and in our Quarterly Reports on Form 10-Q filed subsequent to the Annual Report on Form 10-K, which are on file with the Securities and Exchange Commission, or the SEC, and are incorporated by reference in this prospectus and any prospectus supplement in their entirety, as the same may be amended, supplemented, or superseded from time to time by our filings under the Securities Exchange Act of 1934, as amended, or the Exchange Act. Before making an investment decision, you should carefully consider these risks as well as other information we include or incorporate by reference in this prospectus supplement and the accompanying prospectus. The risks and uncertainties we have described are not the only ones we are facing. These risks, and additional risks not known to us or that we currently believe are immaterial, could materially and adversely affect our business, operating results, cash flows, financial condition, or prospects, and the common stock offered by means of this prospectus supplement, and could result in a partial or complete loss of your investment. Please also read “Cautionary Note Regarding Forward-Looking Statements” in this prospectus supplement.

If we do not regain compliance with or continue to satisfy the Nasdaq Capital Market continued listing requirements, our common stock could be delisted from the Nasdaq.

The listing of our common stock on the Nasdaq Capital Market is contingent on our compliance with the Nasdaq Capital Market’s conditions for continued listing. On August 14, 2024, the Company received a determination letter from Nasdaq notifying the Company that it had not regained compliance with the minimum \$35 million market value of listed securities requirement for continued listing on The Nasdaq Capital Market as set forth in Listing Rule 5550(b)(2) (the “MVLS Requirement”) or any of the alternative requirements in Listing Rule 5550(b), and that the additional delinquency may serve as a separate basis for the delisting of the Company’s securities from Nasdaq. The Company timely requested a hearing before the Nasdaq hearings panel. On September 18, 2024, the hearings panel granted the Company an exception until December 31, 2024 to demonstrate compliance with the Nasdaq listing rules. On January 6, 2025, the hearings panel further extended the deadline to demonstrate compliance with the listing rules to February 10, 2025. On February 18, 2025, the Company received a letter from Nasdaq confirming that the Company has demonstrated compliance with the Nasdaq Capital Market’s continued listing requirements as confirmed by the staff on February 10, 2025.

The Company remains subject to a discretionary panel monitor through February 18, 2026. In the future, if the Company is not able to meet the continued listing requirements of the Nasdaq, which require, among other things, that the minimum bid price of the Company’s Common Stock must be \$1.00 or more for ten consecutive business days in the 180 day cure period from the date of a deficiency notice and either minimum stockholders’ equity of at least \$2.5 million, market value of listed securities of at least \$35 million, or net income from continuing operations of \$500,000 in the most recent fiscal year or in two of the last three fiscal years, the Company’s Common Stock may be delisted. A delisting of the Company’s Common Stock could negatively impact the Company by, among other things, reduce the liquidity and market price of its Common Stock; reduce the number of investors willing to hold or acquire the Company’s Common Stock, which could negatively impact its ability to raise equity financing; decrease the amount of news and analyst coverage of the Company; and limit the Company’s ability to issue additional securities or obtain additional financing in future. In addition, delisting from the Nasdaq might negatively impact the Company’s reputation and, as a consequence, its business, operating results, cash flows, financial condition or securities.

Purchasers in this offering may experience immediate and substantial dilution in the book value of their investment.

The offering price per share in this offering may exceed the net tangible book value per share of our common stock outstanding prior to this offering. Assuming that an aggregate 609,044 shares of our common stock are sold at a price of \$1.09 per share pursuant to this prospectus supplement and the accompanying prospectus, which was the last reported sale price of our common stock on the Nasdaq on May 14 2025, for aggregate gross proceeds of \$663,814 , after deducting commissions and estimated aggregate offering expenses payable by us, you would experience immediate dilution of \$1.03 per share, representing the difference between our as adjusted net tangible

book value per share as of March 31, 2025 after giving effect to this offering and the assumed offering price. See “Dilution” for a more detailed description of the dilution to new investors in the offering.

We will have broad discretion in how we use the net proceeds of this offering. We may not use these proceeds effectively, which could affect our results of operations and cause our stock price to decline.

Although we currently intend to use the net proceeds from this offering in the manner described in the section entitled “Use of Proceeds” in this prospectus supplement, we will have considerable discretion in the application of the net proceeds of this offering. We may use the net proceeds for purposes that do not yield a significant return or any return at all for our stockholders. In addition, pending their use, we may invest the net proceeds from this offering in a manner that does not produce income or that loses value. If we do not invest or apply the net proceeds from this offering in ways that enhance stockholder value, we may fail to achieve expected financial results, which could cause our stock price to decline.

If we raise additional capital through the sale of shares of our common stock, equity-linked securities, convertible securities, or debt in the future, your ownership in us could be diluted and restrictions could be imposed on our business.

In addition to this offering, we may issue shares of our common stock, equity-linked securities, or securities convertible into our common stock to raise additional capital in the future. To the extent we issue such securities, our stockholders may experience substantial dilution and the trading price of our common stock could decline. If we obtain funds through a credit facility or through the issuance of debt or preferred securities, such debt or preferred securities could have rights senior to your rights as a common stock holder, which could impair the value of our common stock.

We have not paid dividends in the past and do not expect to pay dividends in the future, and, as a result, any return on investment may be limited to the value of our stock.

We have never paid dividends and do not anticipate paying dividends in the foreseeable future. The payment of dividends will depend on our operating results, capital requirements, financial condition, prospects, and other factors our board of directors may deem relevant. If we do not pay dividends, our stock may be less valuable because a return on your investment will only occur if our stock price appreciates and you sell our common stock thereafter.

Sales of a substantial number of shares of our common stock in the public market or raising additional funds through debt or equity financing could cause our stock price to fall.

To the extent that we raise additional capital through the sale of equity, equity-linked securities, or convertible debt securities, your ownership interest may be diluted, and the terms of these securities may include liquidation or other preferences that adversely affect your rights as a stockholder. Debt financing, if available, may involve agreements that include covenants limiting or restricting our ability to take certain actions, such as incurring debt, making capital expenditures, or declaring dividends. If we raise additional funds through collaborations, strategic collaborations, or partnerships, or marketing, distribution, or licensing arrangements with third parties, we may be required to limit valuable rights to our intellectual property, technologies, or future revenue streams, or grant licenses or other rights on terms that are not favorable to us. Furthermore, any additional fundraising efforts may divert our management from their day-to-day activities, which may adversely affect our ability to develop and commercialize our technologies.

Sales of a substantial number of shares of our common stock in the public market or the perception that these sales might occur, could depress the market price of our common stock and could impair our ability to raise capital through the sale of additional equity securities. We are unable to predict the effect that sales may have on the prevailing market price of our common stock. A substantial number of shares of common stock are being offered by this prospectus supplement. We cannot predict the number of these shares that might be sold nor the effect that future sales of the shares of our common stock would have on the market price of our common stock.

The actual number of shares we will issue under the Sales Agreement, at any one time or in total, is uncertain.

Subject to certain limitations in the Sales Agreement and compliance with applicable law, we have the discretion to deliver a placement notice to a Wainwright at any time throughout the term of the Sales Agreement. The number of shares that are sold by Wainwright after delivering a placement notice will fluctuate based on the market price of our common stock during the sales period and limits we set with Wainwright. Because the price per share of each share sold will fluctuate based on the market price of our common stock during the sales period, it is not possible at this stage to predict the number of shares that will be ultimately issued.

The common stock offered hereby will be sold in “at the market offerings,” and investors who buy shares at different times will likely pay different prices.

Investors who purchase shares of our common stock in this offering at different times will likely pay different prices, and accordingly may experience different levels of dilution and different outcomes in their investment results. We will have discretion, subject to market demand and the terms of the Sales Agreement, to vary the timing, prices, and number of shares of common stock sold in this offering. In addition, subject to the final determination by our board of directors or any restrictions we may place in any applicable placement notice, there is no minimum or maximum sales price for shares to be sold in this offering. Investors may experience a decline in the value of the shares they purchase in this offering as a result of sales made at prices lower than the prices they paid.

Outstanding options and warrants are exercisable for shares of our common stock. Additionally, we have previously issued preferred convertible stock, convertible debentures and convertible term loans. Any future exercise of such options or warrants, or conversion of such preferred convertible stock, convertible debentures or convertible term loans, would increase the number of shares of our common stock eligible for future resale in the public market and result in dilution to our stockholders.

We have outstanding options (currently, with 16,916 underlying shares) and warrants (currently, with 545,419 underlying shares), we have previously issued preferred convertible stock (currently, with 17,849,756 underlying shares), convertible debentures (currently, with 2,097,561 underlying shares) and convertible term loans (currently, with 5,672,022 underlying shares). Any future exercise, conversion, or release of such securities would increase the number of shares of our common stock eligible for future resale in the public market and result in dilution to our stockholders. Sales of substantial numbers of shares of our common stock in the public market could materially and adversely affect the market price of our common stock. Certain of our securities also contain anti-dilution and similar provisions that in the future may have the effect of increasing the amount of issued and outstanding shares of our common stock.

USE OF PROCEEDS

We may issue and sell shares of our common stock having aggregate sales proceeds of up to \$663,814 from time to time. Because there is no minimum offering amount required as a condition of this offering, the actual total public offering amount, commissions, and proceeds to us, if any, are not determinable at this time. There can be no assurance that we will sell any shares of our common stock under or fully utilize the Sales Agreement with Wainwright as a source of financing.

We will retain broad discretion over the use of the net proceeds to us from the sale of our common stock under this prospectus supplement, an investor will not have the opportunity to evaluate the economic, financial, or other information on which we base our decisions on how to use the proceeds. We currently expect to use the net proceeds that we receive from this offering for working capital and other general corporate purposes.

The expected use of net proceeds of this offering represents our current intentions based on our present plans and business conditions. We cannot specify with certainty all of the particular uses for the net proceeds to be received upon the closing of this offering. Pending these uses, we plan to invest the net proceeds of this offering in short- and intermediate-term, interest-bearing obligations, investment-grade instruments, certificates of deposit, or direct or guaranteed obligations of the U.S. government.

DIVIDEND POLICY

We have never declared or paid any cash dividend on our capital stock. We currently intend to retain any future earnings and do not expect to pay any dividends in the foreseeable future. Any determination to declare or pay dividends in the future will be at the discretion of our board of directors and will depend on a number of factors, including our financial condition, operating results, capital requirements, general business conditions, and other factors that our board of directors may deem relevant.

DILUTION

If you invest in our common stock, your interest will be diluted immediately to the extent of the difference between the public offering price per share of our common stock and the net tangible book value per share of our common stock after this offering.

The net tangible book value of our common stock as of March 31, 2025 was approximately \$2,165,402 or approximately \$0.06 per share of our common stock. Net tangible book value per share represents the quotient calculated by dividing (i) our total tangible assets less total liabilities by (ii) the total number of shares of our common stock outstanding as of March 31, 2025.

After giving effect the conversion of preferred stock to common stock resulting in the issuance of 2,145,150 shares our pro forma net tangible book value on March 31, 2025, would have been approximately \$1,521,502, or \$0.04 per share.

After giving further effect to the sale of 609,044 shares of common stock in this offering at an assumed public offering price of \$1.09 per share, the last reported sale price of our common stock on the Nasdaq Capital Market on May 14, 2024, and after deducting commissions and estimated aggregate offering expenses payable by us, our as adjusted pro forma net tangible book value as of March 31, 2025 would have been approximately \$2,165,402 or approximately \$0.06 per share. This represents an immediate increase in net tangible book value of approximately \$0.02 per share to our existing stockholders and an immediate dilution in as adjusted pro forma net tangible book value of approximately \$1.03 per share to investors participating in this offering, as illustrated by the following table:

Assumed public offering price per share of our common stock	\$1.09
Net tangible book value per share of our common stock as of March 31, 2025	\$0.04
Pro forma net tangible book value per share after giving effect to the conversion of preferred stock and other issuances	\$0.04
Increase in net tangible book value per share of our common stock attributable to investors participating in this offering	\$0.02
As adjusted pro forma net tangible book value per share of our common stock as of March 31, 2025 after giving effect to this offering	\$0.06
Dilution in as adjusted pro forma net tangible book value per share of our common stock to investors in this offering	\$1.03

The table above assumes for illustrative purposes that an aggregate of 609,044 shares of our common stock are sold at a price of \$1.09 per share, the average of the bid and asked prices of our Common Stock on the Nasdaq Capital Market on May, 14, 2025, for aggregate gross proceeds of approximately \$663,814 . The shares sold in this offering, if any, will be sold from time to time at various prices.

The above discussion and table are based on 37,404,948 actual shares of common stock outstanding as of March 31, 2025 and 38,013,956 shares of common stock outstanding on a pro forma basis after giving effect to the subsequent conversion of preferred stock and sale of shares of common stock in this offering as described above, and excludes in each case:

- 16,916 shares of common stock issuable upon exercise of stock options outstanding under our equity incentive plans, with a weighted-average exercise price of \$72.51 per share;

- 545,419 shares of common stock issuable upon exercise of outstanding warrants, with a weighted average exercise price of \$9.25 per share;
- 2,097,561 shares of common stock issuable upon conversion of outstanding convertible debentures;
- 5,672,022 shares of common stock issuable upon conversion of outstanding convertible term loans;
- 17,849.756 shares of common stock issuable upon conversion of outstanding preferred equity; and
- 271,048 shares of common stock available for future issuance under our 2022 Omnibus Incentive Plan.

To the extent that any of these outstanding securities are exercised or converted or we issue additional securities under our equity incentive plans, there will be further dilution to new investors. In addition, we may choose to raise additional capital due to market conditions or strategic considerations even if we believe we have sufficient funds for our current or future operating plans. To the extent that additional capital is raised through the sale of equity, equity-linked securities, or convertible debt securities, the issuance of these securities could result in further dilution to our stockholders.

DESCRIPTION OF COMMON STOCK

We are offering shares of our common stock in this offering. See “Description of Capital Stock and Warrants” in the accompanying prospectus for more information regarding our shares of common stock.

PLAN OF DISTRIBUTION

We previously entered into the Sales Agreement with Wainwright under which we may issue and sell shares of our common stock having an aggregate gross sales price of up to \$663,814 from time to time through or to Wainwright acting as agent or principal.

Upon delivery of a placement notice and subject to the terms and conditions of the Sales Agreement, Wainwright may sell our common stock by any method permitted by law deemed to be an “at the market offering” as defined in Rule 415(a)(4) promulgated under the Securities Act), including sales made directly on or through the Nasdaq Capital Market, the existing trading market for our common stock, sales made to or through a market maker other than on an exchange or otherwise, directly to Wainwright as principal, in negotiated transactions at market prices prevailing at the time of sale or at prices related to such prevailing market prices, and/or in any other method permitted by applicable law. We may instruct Wainwright not to sell common stock if the sales cannot be effected at or above the price designated by us from time to time. We or Wainwright may suspend the offering of common stock upon notice and subject to other conditions.

We will pay Wainwright commissions, in cash, for its services in acting as agent in the sale of our common stock. Wainwright will be entitled to compensation at a fixed commission rate of 3.0% of the gross sales price per share sold. Because there is no minimum offering amount required as a condition of this offering, the actual total public offering amount, commissions and proceeds to us, if any, are not determinable at this time. We have also agreed to reimburse Wainwright for certain specified expenses, including the fees and disbursements of its legal counsel, in an amount not to exceed \$50,000 and up to \$2,500 per calendar quarter. We estimate that the total expenses for the offering, excluding compensation and reimbursement payable to Wainwright under the terms of the Sales Agreement, will be approximately \$250,000.

Settlement for sales of common stock will occur on the first trading day following the date on which sales are made (or any such shorter settlement cycle as may be in effect under Exchange Act Rule 15c6-1 from time to time), or on some other date that is agreed upon by us and Wainwright, in return for payment of the net proceeds to us. Sales of our common stock as contemplated in this prospectus will be settled through the facilities of The Depository Trust Company or by such other means as we and Wainwright may agree upon. There is no arrangement for funds to be received in an escrow, trust, or similar arrangement.

Wainwright will use its commercially reasonable efforts, consistent with its sales and trading practices, to solicit offers to purchase the common stock shares under the terms and subject to the conditions set forth in the Sales Agreement. In connection with the sale of the common stock on our behalf, Wainwright will be deemed to be an “underwriter” within the meaning of the Securities Act and the compensation of Wainwright will be deemed to be underwriting commissions or discounts. We have agreed to provide indemnification and contribution to Wainwright against certain civil liabilities, including liabilities under the Securities Act.

The offering of our common stock pursuant to the Sales Agreement will terminate upon the earlier of the sale of all of the shares of our common stock provided for in this prospectus supplement or the termination of the Sales Agreement as permitted therein.

To the extent required by Regulation M, Wainwright will not engage in any market making activities involving our common stock while the offering is ongoing under this prospectus in violation of Regulation M. Wainwright and its affiliates may provide various investment banking, commercial banking, and other financial services for us and our affiliates, for which services they may in the future receive customary fees.

The Sales Agreement was filed as an exhibit to our Current Report on Form 8-K on May 20, 2024. This prospectus supplement in electronic format may be made available on a website maintained by Wainwright, and Wainwright may distribute this prospectus supplement electronically.

LEGAL MATTERS

The validity of the shares of common stock offered hereby will be passed upon for us by Norton Rose Fulbright US LLP, Houston, Texas. Ellenoff Grossman & Schole LLP, New York, New York, is counsel for Wainwright in connection with this offering.

EXPERTS

Whitley Penn LLP, an independently registered public accounting firm, has audited our financial statements as of and for each of the years in the two-year period ended December 31, 2024, which are included in our Annual Report on Form 10-K for the year ended December 31, 2024, as set forth in their report dated April 15, 2025. Such consolidated financial statements are incorporated herein by reference in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We file Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, and Current Reports on Form 8-K, proxy statements, and other information with the SEC. Our SEC filings are available to the public over the Internet at the SEC's website at www.sec.gov.

Copies of certain information filed by us with the SEC are also available on our website at www.nauticusrobotics.com. We may use our investor relations website to post important information for investors, including press releases, public conference calls and webcasts, and other information, and as a means of disclosing material non-public information and for complying with our disclosure obligations under Regulation FD. Accordingly, investors should monitor our investor relations website, in addition to following filings with the SEC. The contents on our website are not part of this prospectus supplement or the accompanying prospectus, and the reference to our website does not constitute incorporation by reference into this prospectus supplement or the accompanying prospectus of the information contained at our website.

This prospectus supplement and the accompanying prospectus are part of a registration statement on Form S-3 we filed with the SEC. This prospectus supplement and the accompanying prospectus omit some information contained in the registration statement in accordance with SEC rules and regulations. You should review the information and exhibits in the registration statement for further information about us and our securities. Statements in this prospectus supplement concerning any document we filed as an exhibit to the registration statement or that we otherwise filed with the SEC are not intended to be comprehensive and are qualified by reference to these filings. You should review the complete document to evaluate these statements. You can obtain a copy of the registration statement from the SEC's website.

If you make a request for such information in writing or by telephone, we will provide you, without charge, a copy of any or all of the information incorporated by reference into this prospectus supplement. Any such request should be directed to:

Corporate Secretary Nauticus Robotics, Inc.
17146 Feathercraft Lane, Suite 450
Webster, TX 77598
(281) 942-9069

INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

The SEC allows us to “incorporate by reference” certain information into this prospectus supplement, which means that we can disclose important information about us by referring you to another document filed separately with the SEC. The information incorporated by reference is considered to be a part of this prospectus supplement. Because we are incorporating by reference future filings with the SEC, this prospectus supplement is continually updated and those future filings may modify or supersede some of the information included or incorporated in this prospectus supplement. This means that you must carefully review all of the SEC filings that we incorporate by reference to determine if any of the statements in this prospectus supplement or in any document previously incorporated by reference have been modified or superseded. However, we undertake no obligation to update or revise any statements we make, except as required by law.

This prospectus supplement incorporates by reference the documents listed below (in each case, other than those documents or the portions of those documents not deemed to be filed, including information furnished under Item 2.02 or Item 7.01 of Form 8-K and any corresponding information furnished with respect to such Items under Item 9.01 or as an exhibit):

- our Annual Report on Form 10-K for fiscal year ended December 31, 2024, filed with the SEC on April 15, 2025;
- our Quarterly Report on Form 10-Q for fiscal quarter ended March 31, 2024, filed with the SEC on May 14, 2025;
- our definitive proxy statements on Schedule 14A filed with the SEC on April 29, 2025;
- our Current Reports on Form 8-K filed with the SEC on January 6, 2025, January 14, 2025, January 15, 2025, January 17, 2025, January 29, 2025, February 20, 2025, March 5, 2025, March 19, 2025, March 25, 2025 (as amended on May 29, 2025), April 2, 2025 and June 25, 2025;
- the description of our securities which is contained in a Registration Statement on Form 8-A filed on July 14, 2021 under the Exchange Act, including any amendments or reports filed for the purpose of updating such description, including Exhibit 4.8 of our Annual Report on Form 10-K for the fiscal year ended December 31, 2023.

We also incorporate by reference into this prospectus supplement all reports and documents that we may file with the SEC under Sections 13(a), 13(c), 14, or 15(d) of the Exchange Act after the date of this prospectus supplement but prior to the termination of the offering of the common stock hereunder, but excluding any information deemed furnished and not filed with the SEC, and such reports and documents are an important part of this prospectus supplement.

PROSPECTUS

**\$100,000,000 Common Stock Preferred Stock
Depositary Shares
Warrants
Rights
Units**

NAUTICUS ROBOTICS, INC.

We may offer and sell up to \$100,000,000 of the securities described in this prospectus from time to time in one or more transactions. This prospectus describes the general terms of these securities and the general manner in which these securities will be offered. We will provide the specific terms of these securities in supplements to this prospectus. The prospectus supplements will also describe the specific manner in which these securities will be offered and may also supplement, update, or amend information contained in this prospectus. You should read this prospectus and any applicable prospectus supplement, as well as the documents incorporated or deemed to be incorporated by reference herein or therein, before you invest. We may offer these securities in amounts, at prices, and on terms determined at the time of offering.

Our common stock is traded on the Nasdaq Capital Market under the symbol “KITT.” On May 14, 2025, the closing price of our common stock was \$1.09 per share. Each prospectus supplement will indicate whether the securities offered thereby will be listed on any securities exchange.

The address of our principal executive offices is 17146 Feathercraft Lane, Suite 450, Webster, TX 77598. Our phone number is (281) 942-9069.

The aggregate market value of the outstanding shares of our common stock held by non-affiliates is approximately \$40,395,485, which was calculated in accordance with General Instruction I.B.6 of Form S-3 and is based on 37,060,088 shares outstanding held by non-affiliates as of May 14, 2025, and a price per share of \$1.09, which was the last reported sale price of our common stock on the Nasdaq Capital Market on May 14, 2025. Pursuant to General Instruction I.B.6 of Form S-3, in no event will the aggregate market value of securities sold by us or on our behalf in a primary offering pursuant to the registration statement of which this prospectus forms a part during any 12-calendar-month period exceed one-third of the aggregate market value of our common stock held by non-affiliates, so long as the aggregate market value of our common stock held by non-affiliates is less than \$75.0 million. During the 12 calendar months prior to and including the date of this prospectus, we have offered or sold the securities in the aggregate amount of \$22,661,025 pursuant to General Instruction I.B.6 of Form S-3.

We are an emerging growth company and a smaller reporting company as defined under federal securities laws and, as such, may elect to comply with certain reduced public company reporting requirements for future filings. Investing in our securities involves certain risks. See “Risk Factors” on page 1 of this prospectus, contained in any applicable prospectus supplement, and in the documents incorporated by reference herein and therein for a discussion of the factors you should carefully consider before deciding to purchase 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.

The date of this prospectus is May 15, 2025.

TABLE OF CONTENTS

	Page
RISK FACTORS	<u>2</u>
CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS	<u>2</u>
ABOUT THIS PROSPECTUS	<u>3</u>
NAUTICUS ROBOTICS, INC.	<u>4</u>
USE OF PROCEEDS	<u>5</u>
GENERAL DESCRIPTION OF SECURITIES	<u>5</u>
DESCRIPTION OF CAPITAL STOCK AND WARRANTS	<u>6</u>
DESCRIPTION OF DEPOSITARY SHARES	<u>18</u>
DESCRIPTION OF WARRANTS	<u>20</u>
DESCRIPTION OF RIGHTS	<u>22</u>
DESCRIPTION OF UNITS	<u>23</u>
PLAN OF DISTRIBUTION	<u>23</u>
WHERE YOU CAN FIND MORE INFORMATION	<u>27</u>
INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE	<u>28</u>
LEGAL MATTERS	<u>29</u>
EXPERTS	<u>29</u>

RISK FACTORS

Investing in our securities involves significant risks. Please see the risk factors under the heading “Risk Factors” in any prospectus supplement as well as in our most recent Annual Report on Form 10-K and in our Quarterly Reports on Form 10-Q filed subsequent to the Annual Report on Form 10-K, which are on file with the Securities and Exchange Commission (the “SEC”), and are incorporated by reference in this prospectus and any prospectus supplement in their entirety, as the same may be amended, supplemented, or superseded from time to time by our filings under the Securities Exchange Act of 1934, as amended, (the “Exchange Act”). Before making an investment decision, you should carefully consider these risks as well as other information we include or incorporate by reference in this prospectus and any prospectus supplement. The risks and uncertainties we have described are not the only ones facing our company. These risks, and additional risks not known to us or that we currently believe are immaterial, could materially and adversely affect our business, operating results, cash flows, financial condition, or prospects, and the securities offered by means of this prospectus, and could result in a partial or complete loss of your investment.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus contains “forward-looking statements” within the meaning of Section 27A of the Securities Act of 1993, as amended (the “Securities Act”), and Section 21E of the Exchange Act, with respect to our financial

condition, results of operations and business, plans, objectives and strategies. We intend such forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995 and include this statement for purposes of complying with these safe harbor provisions.

These forward-looking statements can be identified by the fact that they do not relate only to historical or current facts. Forward-looking statements often use words such as “estimate,” “project,” “predict,” “will,” “would,” “should,” “could,” “may,” “might,” “anticipate,” “plan,” “intend,” “believe,” “expect,” “aim,” “goal,” “target,” “objective,” “commit,” “advance,” “likely” or similar expressions that convey the prospective nature of events or outcomes. There are several factors which could cause actual plans and results to differ materially from those expressed or implied in forward-looking statements. Such factors include, without limitation, those risks, uncertainties and other factors described in “Risk Factors” and those discussed and identified in the Company’s public filings made with the SEC.

These and other factors could cause actual results to differ from those implied by the forward-looking statements. Forward-looking statements are not guarantees of performance and speak only as of the date hereof. The forward-looking statements are based on the current and reasonable expectations of our management but are inherently subject to uncertainties and changes in circumstances and their potential effects and speak only as of the date of such statements. There can be no assurance that future developments will be those that have been anticipated or that we will achieve or realize these plans, intentions or expectations.

All forward-looking statements attributable to us or persons acting on our behalf are expressly qualified in their entirety by the foregoing cautionary statements. We undertake no obligation to update or revise publicly any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

In addition, statements of belief and similar statements reflect our beliefs and opinions on the relevant subject. These statements are based upon information available to us as of the date of this filing, and while we believe such information forms a reasonable basis for such statements, such information may be limited or incomplete, and statements should not be read to indicate that we have conducted an exhaustive inquiry into, or review of, all potentially available relevant information. These statements are inherently uncertain and investors are cautioned not to unduly rely upon these statements.

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement on Form S-3 that we filed with the Securities and Exchange Commission, or the “SEC,” using a “shelf” registration process for the delayed offering and sale of securities pursuant to Rule 415 under the Securities Act. Under this shelf process, we may offer and sell any combination of the securities described in this prospectus in one or more offerings up to a total dollar amount of \$100,000,000. Specific information about the terms of an offering will be included in a prospectus or a prospectus supplement relating to each offering of securities. That prospectus supplement may include a discussion of any risk factors or other special considerations that apply to those securities. The prospectus supplement may also add, update, or change information included in this prospectus. You should carefully read both this prospectus, any prospectus supplement, any free writing prospectus that we authorize to be distributed to you, and any information incorporated by reference into the foregoing, together with additional information described under the headings “Incorporation of Certain Documents by Reference” and “Where You Can Find More Information” before investing in any of the securities offered under this prospectus.

We have not authorized anyone to give you any additional information different from that contained in this prospectus, any accompanying prospectus supplement or any free writing prospectus provided in connection with an offering. We take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. We are not making an offer to sell these securities in any jurisdiction where the offer is not permitted.

This prospectus contains summaries of certain provisions contained in some of the documents described herein, but reference is made to the actual documents for complete information. All of the summaries are qualified in their entirety by reference to the actual documents.

The information contained in this prospectus is accurate only as of the date on the front cover of this prospectus or prospectus supplement, or that the information contained in any document incorporated by reference into this prospectus or any prospectus supplement, regardless of when this prospectus is delivered or when any sale of our securities occurs. Our business, financial condition, results of operations, cash flows, and prospects may have changed since that date. If there is any inconsistency between the information in this prospectus or any information incorporated by reference herein and in a prospectus supplement, you should rely on the information in that prospectus supplement with the most recent date.

This prospectus is not an offer to sell or solicitation of an offer to buy our securities in any circumstances under which or jurisdiction in which the offer or solicitation is unlawful. Unless the context otherwise indicates, the terms “the Company,” “we,” “our,” “ours,” and “us” refer to Nauticus Robotics, Inc. and its subsidiaries. The phrase “this prospectus” refers to this prospectus and any applicable prospectus supplement, unless the context otherwise requires. In this prospectus, we sometimes refer to the common stock, preferred stock, depositary shares, warrants, rights, and units collectively as the “securities.”

NAUTICUS ROBOTICS, INC.

Nauticus Robotics, Inc. is a developer of ocean robots, cloud software and services delivered to the ocean industry. Our portfolio includes fully autonomous underwater vehicles ("AUVs"), robotic manipulators, an open robotic operating system, and related consulting and prototype services with a strong alignment to offshore energy and national security interests. Our technology solutions enable autonomous operations for both the commercial and defense sectors. To effectively enter markets dominated by legacy solutions, we have developed innovative and value-driven technologies. Our flagship autonomous fully electric vehicle, Aquanaut, provides advantages over conventionally tethered Remotely Operated Vehicles (ROVs) and untethered AUVs. Aquanaut represents the next generation of subsea robotics integrating eight independent thrusters to precisely propel and position a hull design to maximize efficiency and speed high-resolution data collection, and autonomous fully electric manipulation comparable to traditional ROV operations. ToolKITT is a sophisticated software platform that governs our suite of robotic products. It enables robots to perceive their environment, navigate in three dimensions, make autonomous decisions, and execute tasks with minimal human intervention. ToolKITT has been deployed on third party commercial ROVs and competing robotic platforms, enhancing our ability to offer advanced inspection and intervention services. This software also plays a critical role in next-generation inspection services, a key industry need for ensuring the integrity of subsea pipelines and offshore infrastructure. The Olympic Arm is a fully electric subsea manipulator designed for complex intervention tasks on both work-class ROVs and Aquanaut. Its patented electric actuators replace traditional hydraulic systems. The strategic acquisition of SeaTrepid International LLC intends to integrate Nauticus AI-driven autonomy software, ToolKITT, into SeaTrepid's existing remotely operated vehicle (ROV) fleet. The combination will showcase unprecedented advancements in power efficiency and operational performance across the industry. The ability of ROVs and Aquanaut to seamlessly communicate at depth

unlocks new service opportunities, enabling two autonomous systems to collaborate in delivering cutting-edge underwater solutions.

Our common stock trades on the Nasdaq Capital Market under the stock ticker symbol “KITT.”

USE OF PROCEEDS

We intend to use the net proceeds from the sale of any securities offered by us under this prospectus for general corporate purposes. General corporate purposes may include, but are not limited to, the acquisition of companies or businesses, repayment and refinancing of debt, investments in our subsidiaries, investments in existing or future projects, repurchasing or redeeming securities, working capital, and capital expenditures. We may temporarily invest the net proceeds in investment-grade, interest-bearing securities until they are used for their stated purpose. We have not determined the amount of net proceeds to be used specifically for such purposes or the timing of these expenditures, and the net proceeds from the sale of the securities have not been accounted for in our normal budgeting process. The amounts actually expended for these purposes may vary significantly and will depend on a number of factors, including the amount of cash we generate from future operations, the actual expenses of operating our business, and opportunities that may be or become available to us. As a result, management will retain broad discretion over the allocation of net proceeds.

GENERAL DESCRIPTION OF SECURITIES

We may offer under this prospectus:

- common stock;
- preferred stock;
- depositary shares representing an interest in a fractional share or multiple shares of our preferred stock;
- warrants to acquire common stock or preferred stock;
- rights to purchase common stock, preferred stock, or warrants;
- any combination of the foregoing, either individually or as units consisting of two or more securities.

The following description of the terms of these securities sets forth some of the general terms and provisions of securities that may be offered. The particular terms of securities offered by any prospectus supplement and the extent, if any, to which the general terms set forth below do not apply to those securities, will be described in the related prospectus supplement. In addition, if we offer securities as units, the terms of the units will be described in the applicable prospectus supplement. Any prospectus supplement may add, change, update, or supersede the information contained in this prospectus. The prospectus supplement will also contain information, where applicable, about material U.S. federal income tax considerations relating to the offered securities, and the securities exchange, if any, on which the offered securities will be listed. The descriptions herein and in the applicable prospectus supplement do not contain all of the information that you may find useful or that may be important to you. You should refer to the provisions of the actual documents whose terms are summarized herein and in the applicable prospectus supplement, because those documents, and not the summaries, define your rights as holders of the relevant securities. For more information, please review the forms of these documents, which are or will be filed with the SEC and will be available as described under the heading “Where You Can Find More Information,” below. If the information contained in the prospectus supplement differs from the following description, you should rely on the information in the prospectus supplement.

Whenever references are made in this prospectus to information that will be included in a prospectus supplement, to the extent permitted by applicable law, rules, or regulations, we may instead include such information or add, update, or change the information contained in this prospectus by means of a post-effective amendment to the registration statement of which this prospectus is a part, through filings we make with the SEC that are incorporated by reference in this prospectus, or by any other method as may be permitted under applicable law, rules, or regulations.

DESCRIPTION OF CAPITAL STOCK AND WARRANTS

The following summary sets forth the material terms of our securities including capital stock and warrants. The following summary is not intended to be a complete summary of the rights and preferences of such securities, and is qualified by reference to our Second Amended and Restated Certificate of Incorporation, as amended ("Charter"), our amended and restated bylaws ("Bylaws") and warrant-related documents, which are included as exhibits to the registration statement of which this prospectus forms a part or will be filed, if necessary, by amendment or as an exhibit to one or more Current Reports on Form 8-K or a post-effective amendment to the registration statement. We urge you to read such documents in their entirety for a complete description of the rights and preferences of our securities.

Authorized and Outstanding Stock

Our Charter authorizes the issuance of 635,000,000 total shares, consisting of (a) 625,000,000 shares of common stock ("Common Stock"), and (b) 10,000,000 shares of preferred stock, 40,000 of which are designated as Series A Convertible Preferred Stock ("Series A Preferred Stock"). As of the date of this filing, the Company had 37,299,589 shares of common stock and 18,296 shares of Series A Preferred Stock outstanding.

Voting Power

Except as otherwise required by law or as otherwise provided in any certificate of designation for any series of preferred stock, the holders of Common Stock possess all voting power for the election of our directors and all other matters requiring stockholder action. Holders of the Common Stock are entitled to one vote per share on matters to be voted on by stockholders.

Dividends

Subject to applicable law and the rights and preferences of any holders of any outstanding series of our preferred stock, the holders of the Common Stock, as such, shall be entitled to the payment of dividends on the Common Stock when, as and if declared by our board of directors (the "Board") in accordance with applicable law. The payment of cash dividends in the future will be dependent upon our revenues and earnings, if any, capital requirements and general financial condition. It is the present intention of the Board to retain all earnings, if any, for use in our business operations and, accordingly, our Board does not anticipate declaring any dividends in the foreseeable future.

Liquidation

Subject to the rights and preferences of any holders of any shares of any outstanding series of our preferred stock, in the event of any liquidation, dissolution or winding up of the Company, whether voluntary or involuntary, the funds and assets of the Company that may be legally distributed to our stockholders shall be distributed among

the holders of the then outstanding the Common Stock pro rata in accordance with the number of shares of the Common Stock held by each such holder.

Preemptive or Other Rights

There are no sinking fund provisions applicable to the Common Stock.

Limitations on Liability and Indemnification of Officers and Directors

Our Charter and Bylaws limit the liability of our directors, and provide for the indemnification of our current and former officers and directors, in each case, to the fullest extent permitted by Delaware law.

We have entered into agreements with our officers and directors to provide contractual indemnification in addition to the indemnification provided for in our Charter and Bylaws. The Charter and Bylaws also permit us to secure insurance on behalf of any officer, director or employee for any liability arising out of his or her actions.

In connection with the closing of our de-SPAC business combination (the “Business Combination”) on September 9, 2022 (the “Closing”), CleanTech Acquisition Corp. (“CLAQ”) purchased a tail policy with respect to liability coverage for the benefit of former CLAQ officers and directors. We will maintain such tail policy for a period of no less than six (6) years following the Closing.

These provisions may discourage stockholders from bringing a lawsuit against our directors for breach of their fiduciary duty. These provisions also may have the effect of reducing the likelihood of derivative litigation against officers and directors, even though such an action, if successful, might otherwise benefit us and our stockholders. Furthermore, a stockholder’s investment may be adversely affected to the extent we pay the costs of settlement and damage awards against officers and directors pursuant to these indemnification provisions.

We believe that these provisions, the directors’ and officers’ liability insurance and the indemnity agreements are necessary to attract and retain talented and experienced officers and directors.

Certain Anti-Takeover Provisions of Delaware Law; Charter and Bylaws

The Charter and Bylaws contain, and the General Corporate Law of the State of Delaware (“DGCL”) contains, provisions, as summarized in the following paragraphs, that are intended to enhance the likelihood of continuity and stability in the composition of the Board. These provisions are intended to avoid costly takeover battles, reduce our vulnerability to a hostile change of control and enhance the Board’s ability to maximize stockholder value in connection with any unsolicited offer to acquire the Company. However, these provisions may have an anti-takeover effect and may delay, deter or prevent a merger or acquisition of the Company by means of a tender offer, a proxy contest or other takeover attempt that a stockholder might consider in its best interest, including those attempts that might result in a premium over the prevailing market price for the shares of Common Stock held by stockholders.

Delaware Law

We are governed by the provisions of Section 203 of the DGCL. Section 203 generally prohibits a publicly held Delaware corporation from engaging in a “business combination” with any “interested stockholder” for a period of three years after the date of the transaction in which the person became an interested stockholder, unless (with certain exceptions) the business combination or the transaction in which the person became an interested stockholder is approved in a prescribed manner. Generally, a “business combination” includes a merger, asset or stock sale, or other transaction resulting in a financial benefit to the interested stockholder. Generally, an “interested stockholder”

is a person who, together with affiliates and associates, owns (or within three years prior to the determination of interested stockholder status, did own) 15% or more of a corporation's voting stock. These provisions may have the effect of delaying, deferring or preventing changes in control of the Company not approved in advance by the Board.

Special Meetings

The Charter provides that special meetings of the stockholders may be called only by or at the direction of the Board, the Chairperson of the Board or the Chief Executive Officer. The Bylaws prohibit the conduct of any business at a special meeting other than as specified in the notice for such meeting. These provisions may have the effect of deferring, delaying or discouraging hostile takeovers or changes in control or management of the Company.

Advance Notice of Director Nominations and New Business

The Bylaws state that in order for a stockholder to propose nominations of candidates to be elected as directors or any other proper business to be considered by stockholders at the annual meeting, such stockholder must, among other things, provide notice thereof in writing to the secretary at the principal executive offices of Nauticus within the time periods set forth in the Bylaws. Such notice must contain, among other things, certain information about the stockholder giving the notice (and the beneficial owner, if any, on whose behalf the nomination or proposal is made) and certain information about any nominee or other proposed business. Stockholder proposals of business other than director nominations cannot be submitted in connection with special meetings of stockholders.

The Bylaws allow the presiding officer at a meeting of stockholders to adopt rules and regulations for the conduct of meetings which may have the effect of precluding the conduct of certain business at a meeting if such rules and regulations are not followed. These provisions may also defer, delay or discourage a potential acquirer from conducting a solicitation of proxies to elect the acquirer's own slate of directors or otherwise attempting to influence or obtain control of the Company.

Supermajority Voting for Amendments to Our Governing Documents

The Charter requires the affirmative vote of at least 66⅔% of the voting power of all shares of Common Stock then outstanding to amend certain provisions of the Charter. The Charter provides that the Board is expressly authorized to adopt, amend or repeal the Bylaws and that our stockholders may amend certain provision of the Bylaws only with the approval of at least 66⅔% of the voting power of all shares of our Common Stock then outstanding. These provisions make it more difficult for stockholders to change the Charter or Bylaws and may, therefore, defer, delay or discourage a potential acquirer from conducting a solicitation of proxies to amend the Charter or Bylaws or otherwise attempting to influence or obtain control of the Company.

No Cumulative Voting

The DGCL provides that a stockholder's right to vote cumulatively in the election of directors does not exist unless the certificate of incorporation specifically provides otherwise. The Charter does not provide for cumulative voting. The prohibition on cumulative voting has the effect of making it more difficult for stockholders to change the composition of the Board.

Classified Board of Directors

The Charter provides that the Board is divided into three classes of directors, with the classes to be as nearly equal in number as possible, designated Class I, Class II and Class III. The terms of Class I, Class II and Class III

directors end at our 2026, 2027 and 2025 annual meetings of stockholders, respectively. Directors of each class the term of which shall then expire shall be elected to hold office for a three-year term. The classification of directors has the effect of making it more difficult for stockholders to change the composition of our Board and require a longer time period to do so. The Charter provides that the number of directors will be fixed from time to time exclusively pursuant to a resolution adopted by the Board. The classification of directors has the effect of making it more difficult for stockholders to change the composition of our Board. As a result, in most circumstances, a person can gain control of the Board only by successfully engaging in a proxy contest at two or more meetings of stockholders at which directors are elected.

Removal of Directors; Vacancies

The Charter and Bylaws provide that, so long as the Board is classified, directors may be removed only for cause and only upon the affirmative vote of holders of at least 66 2/3% of the voting power of all the then outstanding shares of stock entitled to vote generally in the election of directors, voting together as a single class. Therefore, because stockholders cannot call a special meeting of stockholders, as discussed above, stockholders may only submit a stockholder proposal for the purpose of removing a director at an annual meeting. The Charter and Bylaws provide that vacancies and newly created directorships resulting from any increase in the authorized number of directors shall be filled only by a majority of the directors then in office or by a sole remaining director. Therefore, while stockholders may remove a director, stockholders are not able to elect new directors to fill any resulting vacancies that may be created as a result of such removal.

Stockholder Action by Written Consent

The DGCL permits any action required to be taken at any annual or special meeting of the stockholders to be taken without a meeting, without prior notice and without a vote if a consent in writing, setting forth the action so taken, is signed by the holders of outstanding stock having not less than the minimum number of votes that would be necessary to authorize or take such action at a meeting at which all shares of stock entitled to vote thereon were present and voted, unless the certificate of incorporation provides otherwise. The Charter and Bylaws preclude stockholder action by written consent. This prohibition, combined with the fact stockholders cannot call a special meeting, as discussed above, means that stockholders are limited in the manner in which they can bring proposals and nominations for stockholder consideration, making it more difficult to effect change in our governing documents and the Board.

Warrants

Our Outstanding Warrants

As of the date of this filing, 11,579,158 Public Warrants (which means the warrants sold in our IPO as part of the Units, whether they were purchased in the IPO or thereafter in the open market) are outstanding. For every 36 Public Warrants, the registered holder is entitled to purchase one share of Common Stock at a price of \$11.50 per full share, subject to adjustment as discussed below, at any time commencing on the completion of the Business Combination. However, no Public Warrants will be exercisable for cash unless we have an effective and current registration statement (including a current prospectus) covering the shares of Common Stock issuable upon exercise of the Public Warrants. Notwithstanding the foregoing, during any period when we shall have failed to maintain an effective registration statement, warrant holders may exercise, subject to the terms of the Warrant Agreement, dated July 14, 2021, between Continental Stock Transfer & Trust Company and the Company (the “Warrant Agreement”), Public Warrants on a cashless basis pursuant to an available exemption from registration under the Securities Act.

The Public Warrants will expire on the fifth anniversary of our completion of the Business Combination, at 5:00 p.m., New York City time, or earlier upon redemption or liquidation.

The Private Warrants (which means the warrants issued to the sponsors of CLAQ in a private placement in connection with the IPO) (collectively with the Public Warrants, the “Warrants”) are identical in all material respects to the Public Warrants except that (i) such Private Warrants will be exercisable for cash (even if a registration statement covering the shares of Common Stock issuable upon exercise of such warrants is not effective) or on a cashless basis, at the holder’s option, and will not be redeemable by us, in each case so long as they are still held by the initial purchasers of such warrants or their affiliates, and (ii) the Private Warrants purchased by CleanTech Investments will not be exercisable more than five years from July 14, 2021, in accordance with FINRA Rule 5110(g)(8), as long as Chardan Capital Markets, LLC or any of its related persons beneficially own these private warrants.

Redemption

We may call the outstanding Public Warrants for redemption, in whole and not in part, at a price of \$0.01 per warrant:

- at any time after the Public Warrants become exercisable,
- upon not less than 30 days’ prior written notice of redemption to each warrant holder,
- if, and only if, the reported last sale price of the shares of Common Stock equals or exceeds \$16.50 per share (subject to adjustment for splits, dividends, recapitalizations and other similar events), for any 20 trading days within a 30-day trading period ending on the third business day prior to the notice of redemption to warrant holders, and
- if, and only if, there is a current registration statement in effect with respect to the shares of Common Stock underlying such warrants at the time of redemption and for the entire 30-day trading period referred to above and continuing each day thereafter until the date of redemption.

The right to exercise will be forfeited unless the warrants are exercised prior to the date specified in the notice of redemption (the “Redemption Date”). On and after the Redemption Date, a record holder of a Public Warrant will have no further rights except to receive the redemption price for such holder’s Public Warrant upon surrender of such Public Warrant.

The redemption criteria for our Public Warrants have been established at a price which is intended to provide warrant holders a reasonable premium to the initial exercise price and provide a sufficient differential between the then-prevailing share price and the warrant exercise price so that if the share price declines as a result of our redemption call, the redemption will not cause the share price to drop below the exercise price of the Public Warrants. Redemption may occur at a time when the redeemable warrants are “out-of-the-money,” in which case you would lose any potential embedded value from a subsequent increase in the value of our Common Stock had your Public Warrants remained outstanding. Historical trading prices for our Common Stock have not exceeded the \$16.50 per share threshold (subject to adjustment for splits, dividends, recapitalizations and other similar events) at which the Public Warrants would become redeemable. However, this could occur in the future.

In the event we elect to redeem our Public Warrants, we will notify holders of Public Warrants of such redemption as described in the Warrant Agreement, and we will fix the Redemption Date. Notice of redemption will be mailed by first class mail, postage prepaid, by us not less than 30 days prior to the Redemption Date to the registered holders of the Public Warrants to be redeemed at their last addresses as they appear on the books

maintained by the warrant agent, Continental Stock Transfer & Trust Company. Any notice mailed in the manner provided in the Warrant Agreement will be conclusively presumed to have been duly given whether or not the registered holder received such notice. In addition, beneficial owners of the Public Warrants will be notified of such redemption via posting of the redemption notice to DTC.

If we call the Public Warrants for redemption as described above, our management will have the option to require all holders that wish to exercise warrants to do so on a “cashless basis.” In such event, each holder would pay the exercise price by surrendering the Public Warrants for that number of shares of Common Stock equal to the quotient obtained by dividing (x) the product of the number of shares of Common Stock underlying the Public Warrants, multiplied by the difference between the exercise price of the Public Warrants and the “fair market value” by (y) the fair market value. The “fair market value” shall mean the average reported last sale price of our Common Stock for the 10 trading days ending on the third trading day prior to the date on which the notice of redemption is sent to the holders of Public Warrants. If our management takes advantage of this option, the notice of redemption will contain the information necessary to calculate the number of shares of Common Stock to be received upon exercise of the warrants, including the “fair market value” in such case. Requiring a cashless exercise in this manner will reduce the number of shares of Common Stock to be issued and thereby lessen the dilutive effect of a warrant redemption.

Whether we will exercise our option to require all holders to exercise their Public Warrants on a “cashless basis” will depend on a variety of factors including the price of our common shares at the time the Public Warrants are called for redemption, our cash needs at such time and concerns regarding dilutive share issuances. We believe this feature is an attractive option to us if we do not need the cash from the exercise of the Public Warrants. If we call the Public Warrants for redemption and our management does not take advantage of this option, the holders of the Private Warrants and their permitted transferees would still be entitled to exercise their Private Warrants for cash or on a cashless basis using the same formula described above that other warrant holders would have been required to use had all warrant holders been required to exercise their warrants on a cashless basis.

The Public Warrants were issued in registered form under the Warrant Agreement which provides that the terms of the Public Warrants may be amended without the consent of any holder to, among other things, cure any ambiguity or correct any defective provision that is not inconsistent with the Warrant Agreement, but requires the approval, by written consent or vote, of the holders of a majority of the then outstanding warrants in order to make any change not permitted by Section 9.8 of the Warrant Agreement, including any amendment to increase the exercise price of the Warrants or shorten the exercise period.

The exercise price and number of shares of Common Stock issuable on exercise of the Warrants may be adjusted in certain circumstances including in the event of a share dividend, extraordinary dividend or our recapitalization, reorganization, merger or consolidation.

The Warrants may be exercised upon surrender of the warrant certificate on or prior to the expiration date at the offices of the warrant agent, with the exercise form on the reverse side of the warrant certificate completed and executed as indicated, accompanied by full payment of the exercise price, by certified or official bank check payable to us, for the number of warrants being exercised. The warrant holders (who are not stockholders of the Company) do not and will not have the rights or privileges of holders of shares of Common Stock, including, without limitation, any voting rights, unless and until they exercise their warrants and receive shares of Common Stock. After the issuance of shares of Common Stock upon exercise of the Warrants, each holder will be entitled to one vote for each share held on all matters to be voted on by stockholders.

Except as described above, no Public Warrants will be exercisable for cash, and we will not be obligated to issue shares of Common Stock unless, at the time a holder seeks to exercise such warrant, a prospectus relating to the shares of Common Stock issuable upon exercise of the Warrants is current and the shares of Common Stock have been registered or qualified or deemed to be exempt under the securities laws of the state of residence of the holder of the Warrants. Under the terms of the Warrant Agreement, we have agreed to use our best efforts to meet these conditions and to maintain a current prospectus relating to the shares of Common Stock issuable upon exercise of the Warrants until the expiration of the Warrants. However, we cannot assure you that we will be able to do so and, if we do not maintain a current prospectus relating to the shares of Common Stock issuable upon exercise of the Warrants, holders will be unable to exercise their Warrants, and we will not be required to settle any such warrant exercise. If the prospectus relating to the shares of Common Stock issuable upon the exercise of the warrants is not current or if the Common Stock is not qualified or exempt from qualification in the jurisdictions in which the holders of the Warrants reside, we will not be required to net cash settle or cash settle the warrant exercise, the Warrants may have no value, the market for the Warrants may be limited, and the Warrants may expire worthless.

A holder of a Warrant may notify us in writing in the event it elects to be subject to a requirement that such holder will not have the right to exercise such Warrant, to the extent that after giving effect to such exercise, such person (together with such person's affiliates), to the warrant agent's actual knowledge, would beneficially own in excess of 9.9% (or such other amount as a holder may specify) of Common Stock outstanding.

No fractional shares will be issued upon exercise of the Warrants. If, upon exercise of the Warrants, a holder would be entitled to receive a fractional interest in a share, we will, upon exercise, round down to the nearest whole number the number of shares of Common Stock to be issued to the warrant holder.

We have agreed that, subject to applicable law, any action, proceeding or claim against us arising out of or relating in any way to the Warrant Agreement will be brought and enforced in the courts of the State of New York or the United States District Court for the Southern District of New York, and we irrevocably submit to such jurisdiction, which jurisdiction will be the exclusive forum for any such action, proceeding or claim. This provision applies to claims under the Securities Act but does not apply to claims under the Exchange Act or any claim for which the federal district courts of the United States of America are the sole and exclusive forum.

Please refer to the "Description of Warrants" section below regarding any warrants to purchase Common Stock or preferred stock that we may issue in the future under this prospectus.

Preferred Stock

Our Outstanding Preferred Stock

General. On December 26, 2024, the Company filed with the Secretary of State of the State of Delaware the Certificate of Designation of Series A Convertible Preferred Stock of the Company (the "Series A Certificate of Designation") and designated 40,000 shares of Series A Preferred Stock. As of May 14, 2025, there were 18,296 shares of Series A Preferred Stock outstanding. Each share of Series A Preferred Stock has a stated value of \$1,000 per share and is fully paid and non-assessable.

Ranking. The Series A Preferred Stock, with respect to the payment of dividends, distributions and payments upon the liquidation, dissolution and winding up of the Company, ranks senior to all capital stock of the Company, unless the Required Holders (as defined in the Series A Certificate of Designation) consent to the creation of other capital stock of the Company that is senior or equal in rank to the Series A Preferred Stock.

Dividends. The holders of Series A Preferred Stock will be entitled to a 5% per annum dividends, on an as-if converted basis, equal to and in the same form as dividends actually paid on shares of Common Stock, when and if actually paid. The dividends are payable to each record holder of the Series A Preferred Stock in shares of Common Stock so long as there has been no Equity Conditions Failure (as defined in the Series A Certificate of Designation), and the Company may, at its option, under certain circumstances, capitalize the dividend by increasing the stated value of each Preferred Shares or elect a combination of the capitalized dividend and a payment in dividend shares.

Purchase Rights. If at any time the Company grants, issues or sells any options, convertible securities, or rights to purchase stock, warrants, securities or other property pro rata to all or substantially all of the record holders of any class of Common Stock (the “Purchase Rights”), then each holder of Series A Preferred Stock will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which such holder could have acquired if such holder had held the number of shares of Common Stock acquirable upon complete conversion of all the Series A Preferred Stock held by such holder immediately prior to the date as of which the record holders of shares of Common Stock are to be determined for the grant, issue or sale of such Purchase Rights at the Alternate Conversion Price (as defined below); subject to certain limitations on beneficial ownership.

Conversion Rights

Conversion at Option of Holder. Each holder of Series A Preferred Stock may convert all, or any part, of the outstanding Series A Preferred Stock, at any time at such holder’s option, into shares of the Common Stock (which converted shares of Common Stock are referred to as “Conversion Shares” herein) at the fixed “Conversion Price” of \$1.23, which is subject to proportional adjustment upon the occurrence of any stock split, stock dividend, stock combination and/or similar transactions. The amounts to be converted include unpaid dividends and other charges for the Preferred Shares.

Voluntary Adjustment Right. Subject to the rules and regulations of the Nasdaq, the Company has the right, at any time, with the written consent of the Required Holders, to lower the fixed conversion price to any amount and for any period of time deemed appropriate by the board of directors of the Company (the “Board”).

Alternate Conversion at the Holder’s Election. At any time after the Initial Issuance Date, a holder may elect to convert the Series A Preferred Stock held by such holder at the “Alternate Conversion Price” equal to the lesser of:

- the Conversion Price; and
- the greater of:
 - the floor price of \$0.246 (the “Floor Price”); and
 - 98% of the lowest volume weighted average price (“VWAP”) of the Common Stock during the 10 consecutive trading days immediately prior to such conversion.

Alternate Conversion Upon a Triggering Event. Following the occurrence and during the continuance of a Triggering Event (as defined below), each holder may alternatively elect to convert the Series A Preferred Stock at the “Alternate Conversion Price”.

The Series A Certificate of Designation contains standard and customary triggering events (each, a “Triggering Event” including certain Bankruptcy Triggering Event (as defined therein)), including but not limited to: (i) the suspension from trading or the failure to list the Common Stock within certain time periods; (ii) failure to declare or pay any dividend when due; (iii) the occurrence of any default under, redemption of or acceleration prior to maturity of at least an aggregate of \$500,000 of Indebtedness (as defined in the Exchange Agreement) of the Company, (iv)

the Company's failure to cure a conversion failure of failure to deliver shares of the Common Stock upon conversion, or notice of the Company's intention not to comply with a request for conversion of any Series A Preferred Stock, and (iv) bankruptcy or insolvency of the Company.

From and after the occurrence and during the continuance of any Triggering Event, the Dividend Rate in effect shall automatically be increased to the lesser of 18% per annum or the maximum rate permitted under applicable law.

If at the time of a conversion the Alternate Conversion Price is determined to be the Floor Price because such Floor Price is greater than 98% of the then ten-day volume weighted average price of a share of Common Stock, then the Conversion Amount (as defined in the Series A Certificate of Designation), shall automatically increase pro rata, by the applicable Alternate Conversion Floor Amount (as defined therein).

Other Adjustments. In connection with the exchange, the Company obtained stockholder approval at a special meeting of stockholders held on January 15, 2025, of the issuance of Conversion Shares at a conversion price below the Conversion Price (the date of such approval, the "Stockholder Approval Date"). If, on or after the Stockholder Approval Date, the Company issues any shares of Common Stock for a consideration per share (the "New Issuance Price") less than a price equal to the Conversion Price in effect immediately prior to such issuance, the Conversion Price shall be reduced to the New Issuance Price.

If on either of (i) the 30th calendar day after the date the Preferred Shares are issued (the "Initial Issuance Date") or (ii) the 60th calendar day after the Initial Issuance Date, as applicable, (each, an "Adjustment Date"), the Conversion Price then in effect is greater than the greater of (A) the Floor Price and (B) the Market Price then in effect (the "Adjustment Price"), on the Adjustment Date the Conversion Price shall automatically lower to the Adjustment Price.

Bankruptcy Triggering Event Redemption Right. Upon any Bankruptcy Triggering Event, the Company shall immediately redeem in cash all amounts due under the Series A Preferred Stock at a redemption price equal to the greater of (1) 1.25 times the Conversion Amount to be redeemed; and (2) the product of (X) the Conversion Rate (calculated using the lowest Alternate Conversion Price during the period commencing on the 20th Trading Day immediately preceding such public announcement and ending on the date the Company makes the entire redemption payment), multiplied by (Y) 1.25 times the equity value, unless the holder waives such right to receive such payment. The equity value of the Common Stock underlying the Series A Preferred Stock is calculated using the greatest closing sale price of the Common Stock on any trading day immediately preceding such bankruptcy Triggering Event and the date the Company makes the entire payment required.

Change of Control Exchange. Upon a change of control of the Company, each holder may require the Company to exchange the holder's shares of Series A Preferred Stock for consideration equal to the Change of Control Election Price (as defined in the Series A Certificate of Designation), to be satisfied at the Company's election in either (x) cash or (y) rights convertible into such securities or other assets to which such holder would have been entitled with respect to such shares of Common Stock had such shares of Common Stock been held by such holder upon consummation of such corporate event.

Company Optional Redemption. At any time the Company shall have the right to redeem in cash all, but not less than all, the shares of Series A Preferred Stock then outstanding at a 25% redemption premium to the greater of (i) the Conversion Amount being redeemed, and (ii) the product of (1) the Conversion Rate with respect to the Conversion Amount being redeemed, multiplied by (2) the equity value of the Common Stock underlying the Series A Preferred Stock. The equity value of the Common Stock underlying the Series A Preferred Stock is calculated using the greatest closing sale price of the Common Stock on any trading day immediately preceding the date the

Company notifies the holders of the Company's election to redeem and the date the Company makes the entire payment required.

Fundamental Transactions. The Series A Certificate of Designation prohibits the Company from entering specified fundamental transactions (including, without limitation, mergers, business combinations and similar transactions) unless the Company (or the Company's successor) assumes in writing all of the Company's obligations under the Series A Certificate of Designation and the other Transaction Documents (as defined in the Series A Certificate of Designation).

Voting Rights. The holders of the Series A Preferred Stock shall have no voting power and no right to vote on any matter at any time, either as a separate series or class or together with any other series or class of share of capital stock, and shall not be entitled to call a meeting of such holders for any purpose nor shall they be entitled to participate in any meeting of the holders of Common Stock, except as provided in the Series A Certificate of Designation (or as otherwise required by applicable law).

Covenants. The Series A Certificate of Designation contains a variety of obligations on the Company's part not to engage in specified activities. In particular, the Company will not, and will cause the Company's subsidiaries to not, redeem, repurchase or declare any dividend or distribution on any of the Company's capital stock (other than as required under the Series A Certificate of Designation) and will not incur any indebtedness other than ordinary course trade payables or, subject to certain exceptions, incur any liens. In addition, the Company will not issue any preferred stock or issue any other securities that would cause a breach or default under the Series A Certificate of Designation.

Reservation Requirements. So long as any Series A Preferred Stock remains outstanding, the Company shall at all times reserve at least 100% of the number of shares of Common Stock as shall from time to time be necessary to effect the conversion of all Series A Preferred Stock then outstanding.

This description of the Series A Preferred Stock does not purport to be complete and is qualified in its entirety by reference to the complete text of the Series A Certificate of Designations.

Future Classes or Series of Preferred Stock

This following description sets forth certain general terms and provisions of our authorized preferred stock, other than our Series A Preferred Stock described above. When we offer to sell a particular series of preferred stock, we will describe the specific terms of the securities in a supplement to this prospectus. The prospectus supplement will also indicate whether the general terms and provisions described in this prospectus apply to the particular series of preferred stock. The preferred stock will be issued under a certificate of designation relating to each series of preferred stock and is also subject to our Charter. The certificate of designation will be filed with the SEC in connection with an offering of preferred stock.

Our board of directors is authorized to issue the Preferred Stock in one or more series, and in connection with the creation of any such series, by adopting a resolution or resolutions providing for the issuance of the shares thereof and by filing a certificate of designation relating thereto in accordance with the Delaware law, to determine and fix the number of shares of such series and such voting powers, full or limited, or no voting powers, and such designations, preferences and relative participating, optional or other special rights, and qualifications, limitations or restrictions thereof, including without limitation thereof, dividend rights, conversion rights, redemption privileges and liquidation preferences, and to increase or decrease (but not below the number of shares of such series then

outstanding) the number of shares of any series as shall be stated and expressed in such resolutions, all to the fullest extent now or hereafter permitted by the Delaware law.

Our board of directors will make any determination to issue such shares based on its judgment as to our company's best interests and the best interests of our stockholders.

We will incorporate by reference as an exhibit to the registration statement, which includes this prospectus, the form of any certificate of designations that describes the terms of the series of preferred stock we may offer in the future. This description and the applicable prospectus supplement will include:

- the title and stated value;
- the number of shares authorized;
- the liquidation preference per share;
- the purchase price;
- the dividend rate, period and payment date, and method of calculation for dividends;
- whether dividends will be cumulative or non-cumulative and, if cumulative, the date from which dividends will accumulate;
- the procedures for any auction and remarketing, if any;
- the provisions for a sinking fund, if any;
- the provisions for redemption or repurchase, if applicable, and any restrictions on our ability to exercise those redemption and repurchase rights;
- any listing of the preferred stock on any securities exchange or market;
- whether the preferred stock will be convertible into our common stock, and, if applicable, the conversion price, or how it will be calculated, and the conversion period;
- voting rights, if any, of the preferred stock;
- preemptive rights, if any;
- restrictions on transfer, sale or other assignment, if any;
- whether interests in the preferred stock will be represented by depositary shares;
- a discussion of any material United States federal income tax considerations applicable to the preferred stock;
- the relative ranking and preferences of the preferred stock as to dividend rights and rights if we liquidate, dissolve or wind up our affairs;
- any limitations on issuance of any class or series of preferred stock ranking senior to or on a parity with the series of preferred stock as to dividend rights and rights if we liquidate, dissolve or wind up our affairs; and
- any other specific terms, preferences, rights or limitations of, or restrictions on, the preferred stock.

All shares of preferred stock offered will be fully paid and non-assessable. Any shares of preferred stock that are issued will have priority over the common stock with respect to dividend or liquidation rights or both.

Our Board could create and issue a series of preferred stock with rights, privileges or restrictions which effectively discriminate against an existing or prospective holder of preferred stock as a result of the holder beneficially owning or commencing a tender offer for a substantial amount of common stock. One of the effects of authorized but unissued and unreserved shares of capital stock may be to make it more difficult or discourage an attempt by a potential acquirer to obtain control of our company by means of a merger, tender offer, proxy contest or otherwise. This protects the continuity of our management. The issuance of these shares of capital stock may defer or prevent a change in control of our company without any further stockholder action.

The transfer agent for each series of preferred stock will be described in the prospectus supplement.

Our Transfer Agent and Warrant Agent

The transfer agent for our Common Stock and warrant agent for our warrants is Continental Stock Transfer & Trust Company, 1 State Street, New York, New York 10004.

Listing of Securities

Our Common Stock and Public Warrants are listed on the Nasdaq Capital Market under the symbols “KITT” and “KITTW,” respectively.

DESCRIPTION OF DEPOSITARY SHARES

Set forth below is a description of the general terms and conditions of the depositary shares that may be offered under this prospectus. The specific terms and conditions of the depositary shares will be described in a supplement to this prospectus. Any prospectus supplement may add, change, update, or supersede the terms and conditions of the depositary shares as described in this prospectus. To the extent the information contained in the applicable prospectus supplement differs from the description set forth below, you should rely on the information in the applicable prospectus supplement, deposit agreement, and depositary receipts.

General

We may elect to offer fractional shares or some multiple of shares of preferred stock, rather than offer whole shares of preferred stock. If we choose to do this, we will issue receipts for depositary shares. Each depositary share will represent a fraction or some multiple of a share of a particular series of preferred stock.

The shares of any series of preferred stock underlying the depositary shares will be deposited under a separate deposit agreement between us and a bank or trust company, which we will select. The bank or trust company must have its principal office in the United States and a combined capital and surplus of at least \$500,000,000. The prospectus supplement relating to a series of depositary shares will state the name and address of the depositary. Unless otherwise provided by the deposit agreement, each owner of depositary shares will be entitled, in proportion to the applicable fraction or multiple of a share of preferred stock underlying the depositary shares, to all the rights and preferences of the preferred stock underlying the depositary shares including dividend, voting, redemption, conversion, and liquidation rights.

The depositary shares will be evidenced by depositary receipts issued under the deposit agreement. Depositary receipts will be distributed to those persons purchasing the fractional interest in or multiple of shares of the related series of preferred stock in accordance with the terms of the offering described in the related prospectus supplement.

Dividends and other Distributions

The depositary will distribute all cash dividends or other cash distributions received with respect to preferred stock to the record holders of depositary shares relating to the preferred stock in proportion to the numbers of the depositary shares owned by the holders on the relevant record date. However, the depositary will distribute only an amount that can be distributed without attributing to any holder of depositary shares a fraction of one cent, and any balance not so distributed will be added to and treated as part of the next sum received by the depositary for distribution to record holders of depositary shares.

If there is a non-cash distribution, the depositary will distribute property received by it to the record holders of depositary shares entitled to it, unless the depositary determines that it is not feasible to make the distribution. If this happens, the depositary may, with our approval, sell the property and distribute the net sale proceeds to the holders.

Redemption of Depositary Shares

If a series of the preferred stock underlying the depositary shares is redeemed in whole or in part, the depositary shares will be redeemed from the redemption proceeds received by the depositary. The redemption price for each depositary share will be equal to the applicable fraction or multiple of the redemption price for each share payable with respect to the series of the preferred stock. Whenever we redeem shares of preferred stock held by the

depository, the depository will redeem on the same redemption date the number of depository shares relating to the shares of preferred stock so redeemed. If less than all of the depository shares are to be redeemed, the depository shares to be redeemed will be selected by lot or proportionally as may be determined by the depository.

After the date fixed for redemption, the depository shares called for redemption will no longer be considered outstanding and all rights of the holders of depository shares will cease, except the right to receive the money, securities or other property payable upon the redemption and any money, securities, or other property to which the holders of the redeemed depository shares were entitled upon surrender to the depository of the depository receipts evidencing the depository shares.

Voting the Preferred Stock

Upon receipt of notice of any meeting at which the holders of the preferred stock are entitled to vote, the depository will mail the information contained in the notice of meeting to the record holders of depository shares relating to the preferred stock. Each record holder of depository shares on the record date, which will be the same date as the record date for the preferred stock, will be entitled to instruct the depository how to exercise the voting rights pertaining to the number of shares of preferred stock underlying the holder's depository shares. The depository will endeavor, to the extent practicable, to vote the number of shares of preferred stock underlying the depository shares in accordance with these instructions, and we will agree to take all action that the depository may consider necessary in order to enable the depository to vote the shares.

Amendment and Termination of Deposit Agreement

We may enter into an agreement with the depository at any time to amend the form of depository receipt evidencing the depository shares and any provision of the deposit agreement. However, the holders of a majority of the depository shares must approve any amendment that materially and adversely alters the rights of the existing holders of depository shares. We or the depository may terminate the deposit agreement only if (i) all outstanding depository shares issued under the agreement have been redeemed, or (ii) a final distribution in connection with any liquidation, dissolution, or winding up has been made to the holders of depository shares.

Charges of Depository

We will pay all transfer and other taxes and governmental charges arising solely from the existence of the deposit arrangements. We will also pay charges of the depository in connection with the initial deposit of the preferred stock and any redemption of the preferred stock. Holders of depository shares will pay transfer and other taxes and governmental charges and such other charges as are expressly provided in the deposit agreement to be for their accounts.

Resignation and Removal of Depository

The depository may resign at any time by delivering to us notice of its election to resign, and we may at any time remove the depository. Any resignation or removal will take effect when a successor depository has been appointed and has accepted the appointment. Appointment must occur within 60 days after delivery of the notice of resignation or removal. The successor depository must be a bank or trust company having its principal office in the United States and having a combined capital and surplus of at least \$500,000,000.

Miscellaneous

The depositary will forward to the holders of depositary shares all reports and communications that we deliver to the depositary and that we are required to furnish to the holders of the preferred stock.

Neither the depositary nor we will be liable if either of us are prevented or delayed by law or any circumstance beyond our control in performing our obligations under the deposit agreement. Our obligations and those of the depositary will be limited to performance in good faith of our duties under the deposit agreement. Neither we nor the depositary will be obligated to prosecute or defend any legal proceeding in respect of any depositary shares or preferred stock unless satisfactory indemnity is furnished. Further, both of us may rely upon written advice of counsel or accountants, or upon information provided by persons presenting preferred stock for deposit, holders of depositary receipts or other persons believed to be competent and on documents believed to be genuine.

DESCRIPTION OF WARRANTS

Set forth below is a description of the general terms and conditions of the warrants that may be offered under this prospectus. The specific terms and conditions of the warrants will be described in a supplement to this prospectus. Any prospectus supplement may add, change, update, or supersede the terms and conditions of the warrants as described in this prospectus. To the extent the information contained in the applicable prospectus supplement differs from the description set forth below, you should rely on the information in the applicable prospectus supplement, warrant agreement, and warrant certificate.

General

We may issue warrants to purchase shares of our common stock or preferred stock in one or more series together with other securities or separately, as described in each applicable prospectus supplement. Below is a description of certain general terms and provisions of the warrants that we may offer. Particular terms of the warrants will be described in the applicable warrant agreements and the applicable prospectus supplement for the warrants.

Terms of Warrants

The applicable prospectus supplement will contain, where applicable, the following terms of and other information relating to the warrants:

- the specific designation and aggregate number of, and the price at which we will issue, the warrants;
- the currency or currency units in which the offering price, if any, and the exercise price are payable;
- the designation, amount, and terms of the securities purchasable upon exercise of the warrants;
- if applicable, the exercise price for shares of our common stock and the number of shares of common stock to be received upon exercise of the warrants and any changes to or adjustments in the exercise price;
- if applicable, the exercise price for shares of our preferred stock, the number of shares of preferred stock to be received upon exercise and any changes to or adjustments in the exercise price, and a description of that class or series of our preferred stock;
- the date on which the right to exercise the warrants will begin and the date on which that right will expire or, if the warrants may not be continuously exercised throughout that period, the specific date or dates on which the warrants may be exercised;

- whether the warrants will be issued in fully registered form or bearer form, in definitive or global form or in any combination of these forms, although, in any case, the form of a warrant included in a unit will correspond to the form of the unit and of any security included in that unit;
- any applicable material U.S. federal income tax consequences;
- the identity of the warrant agent for the warrants and of any other depositaries, execution or paying agents, transfer agents, registrars or other agents;
- the proposed listing, if any, of the warrants or any securities purchasable upon exercise of the warrants on any securities exchange;
- if applicable, the date from and after which the warrants and the common stock or preferred stock will be separately transferable;
- if applicable, the minimum or maximum amount of the warrants that may be exercised at any one time;
- information with respect to book-entry procedures, if any;
- the anti-dilution provisions of the warrants, if any;
- any redemption or call provisions;
- whether the warrants are to be sold separately or with other securities as parts of units; and
- any additional terms of the warrants, including terms, procedures, and limitations relating to the exchange and exercise of the warrants.

Exercise of Warrants

Each warrant will entitle the holder of the warrant to purchase at the exercise price set forth in the applicable prospectus supplement the number of shares of common stock or preferred stock being offered. Holders may exercise warrants at any time up to the close of business on the expiration date set forth in the applicable prospectus supplement. After the close of business on the expiration date, unexercised warrants will be void. Holders may exercise warrants as described in the prospectus supplement relating to the warrants being offered.

Until a holder exercises the warrants to purchase shares of our common stock or preferred stock, the holder will not have any rights as a holder of shares of our common stock or preferred stock, as the case may be, by virtue of ownership of the warrants.

Transfer Agent and Registrar

The transfer agent and registrar for any warrants will be set forth in the applicable prospectus supplement.

DESCRIPTION OF RIGHTS

Set forth below is a description of the general terms and conditions of the rights that may be offered under this prospectus. The specific terms and conditions of the rights will be described in a supplement to this prospectus. Any prospectus supplement may add, change, update, or supersede the terms and conditions of the rights as described in this prospectus. To the extent the information contained in the applicable prospectus supplement differs from the description set forth below, you should rely on the information in the applicable prospectus supplement, rights agent or subscription agent agreement, and rights certificate.

General

We may issue rights to purchase common stock, preferred stock, or warrants. The rights may or may not be transferable by the persons purchasing or receiving the rights. In connection with any rights issuance, we may enter into a standby underwriting or other arrangement with one or more underwriters or other persons pursuant to which such underwriters or other persons would purchase any offered securities remaining unsubscribed for after such rights issuance. Rights may be issued independently or together with any of our common stock, preferred stock, or warrants offered by a prospectus supplement, and may be attached to or separate from those offered securities. Each series of rights will be issued under a separate rights agent or subscription agent agreement to be entered into between us and a bank or trust company, as rights agent or subscription agent, as applicable, all as further set forth in the prospectus supplement relating to the particular issue of rights. The rights agent or subscription agent will act solely as our agent in connection with the rights and will not assume any obligation or relationship of agency or trust for or with any holders of rights certificates or beneficial owners of rights. A copy of the form of rights agent or subscription agent agreement, including the form of rights certificate representing a series of rights, will be filed with the SEC in connection with the offering of a particular series of rights.

Terms of Rights

The prospectus supplement relating to a particular issue of rights to purchase our common stock, preferred stock, or warrants will describe the terms of those rights, which may include, without limitation, one or more of the following:

- the date of determining the security holders entitled to the rights distribution;
- the aggregate number of rights issued and the aggregate number of shares of common stock or preferred stock or warrants purchasable upon exercise of the rights;
- the exercise price;
- the conditions to completion of the rights offering;
- the date on which the right to exercise the rights will commence and the date on which the rights will expire; and
- any applicable federal income tax considerations.

Exercise of Rights

Each right would entitle the holder of the right to purchase at the exercise price set forth in the applicable prospectus supplement the number of shares of common stock or preferred stock or warrants being offered. Holders may exercise rights at any time up to the close of business on the expiration date set forth in the applicable prospectus supplement. After the close of business on the expiration date, unexercised rights will be void. Holders may exercise rights as described in the prospectus supplement relating to the rights being issued. If less than all of the rights issued in any rights offering are exercised, we may offer any unsubscribed securities directly to persons other than our security holders, to or through agents, underwriters or dealers or through a combination of such methods, including pursuant to standby arrangements, as described in the applicable prospectus supplement.

Until a holder exercises the rights to purchase shares of our common stock or preferred stock or warrants, the holder will not have any rights as a holder of shares of our common stock or preferred stock or warrants, as the case may be, by virtue of ownership of the rights.

DESCRIPTION OF UNITS

Set forth below is a description of the general terms and conditions of the units that may be offered under this prospectus. The specific terms and conditions of the units will be described in a supplement to this prospectus. Any prospectus supplement may add, change, update, or supersede the terms and conditions of the units as described in this prospectus. To the extent the information contained in the applicable prospectus supplement differs from the description set forth below, you should rely on the information in the applicable prospectus supplement and unit agreement.

We may issue units consisting of one or more shares of common stock, shares of preferred stock, depositary shares, warrants, or rights or any combination of such securities under this prospectus. The specific terms and conditions of the units will be described in a supplement to this prospectus which may include, without limitation, one or more of the following:

- the title of the series of units;
- identification and description of the separate securities comprising the units;
- the price or prices at which the units will be issued;
- the date, if any, on and after which the securities comprising the units will be separately transferrable; and
- any other material terms of the units and the securities comprising such units.

PLAN OF DISTRIBUTION

We may sell the securities offered through this prospectus or any applicable prospectus supplement in any one or more of the following ways:

- directly to investors, including through a specific bidding, auction or other process;
- to investors through agents;
- directly to agents;
- to or through brokers or dealers;
- to the public through underwriting syndicates led by one or more managing underwriters for resale to investors or to the public;
- to one or more underwriters acting alone for resale to investors or to the public;
- through a block trade (which may involve crosses) in which the broker or dealer so engaged will attempt to sell the securities as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- ordinary brokerage transactions and transactions in which the broker solicits purchasers;
- in “at the market offerings,” within the meaning of Rule 415(a)(4) of the Securities Act, to or through a market maker or a sales agent or into an existing trading market, on an exchange or otherwise;

- transactions not involving market makers or established trading markets, including direct sales or privately negotiated transactions;
- exchange distributions and/or secondary distributions;
- by delayed delivery contracts or by remarketing firms;
- transactions in options, swaps, or other derivatives that may or may not be listed on an exchange; or
- through a combination of any such methods of sale.

We reserve the right to sell securities directly to investors on our own behalf in those jurisdictions where we are authorized to do so.

The securities may be distributed at a fixed price or prices, which may be changed, market prices prevailing at the time of sale, prices related to the prevailing market prices, or negotiated prices. Any of the prices may represent a discount from the prevailing market prices. In the sale of the securities, underwriters, dealers, or agents may receive compensation from us or from purchasers of the securities, for whom they may act as agents, in the form of discounts, concessions, or commissions. Underwriters may sell the securities to or through dealers, and such dealers may receive compensation in the form of discounts, concessions, or commissions from the underwriters and/or commissions from the purchasers for whom they may act as agents. Underwriters, dealers, and agents that participate in the distribution of the securities may be deemed to be underwriters under the Securities Act and any discounts or commissions they receive from us and any profit on the resale of securities they realize may be deemed to be underwriting discounts and commissions under the Securities Act. The prospectus supplement will, where applicable, describe, disclose, or identify:

- the terms of the offering;
- any underwriters, dealers, or agents;
- any managing underwriter or underwriters;
- the purchase price of the securities;
- the net proceeds from the sale of the securities;
- any delayed delivery arrangements;
- any underwriting discounts, commissions, and other items constituting underwriters' compensation;
- any initial public offering price;
- any discounts or concessions allowed or re-allowed or paid to dealers; and
- any commissions paid to agents.

Any underwritten offering may be on a best efforts or a firm commitment basis. If underwriters are used in the sale, the underwriters will acquire the securities for their own account, including through underwriting, purchase, security lending or repurchase agreements with us. The underwriters may resell the securities from time to time in one or more transactions, including negotiated transactions. Underwriters may sell the securities in order to facilitate transactions in any of our other securities (described in this prospectus or otherwise), including other public or private transactions and short sales. Underwriters may offer securities to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more firms acting as underwriters. Unless otherwise indicated in the prospectus supplement, the obligations of the underwriters to purchase the securities will be subject to certain conditions, and the underwriters will be obligated to purchase all the

offered securities if they purchase any of them. The underwriters may change from time to time any initial public offering price and any discounts or concessions allowed or re-allowed or paid to dealers.

If dealers are used in the sale of securities offered through this prospectus, we will sell the securities to them as principals. They may then resell those securities to the public at varying prices determined by the dealers at the time of resale. The prospectus supplement will include the names of the dealers and the terms of the transaction.

We may sell the securities offered through this prospectus directly or through agents designated from time to time. The prospectus supplement will name any agent involved in the offer or sale of the offered securities and will describe any commissions payable to the agent. Unless otherwise indicated in the prospectus supplement, any agent will agree to use its reasonable best efforts to solicit purchases for the period of its appointment.

We may sell the securities directly to institutional investors or others who may be deemed to be underwriters within the meaning of the Securities Act with respect to any sale of those securities. The terms of any such sales will be described in the prospectus supplement.

We may also make direct sales through subscription rights distributed to our stockholders on a pro rata basis, which may or may not be transferable. In any distribution of subscription rights to stockholders, if all of the underlying securities are not subscribed for, we may then sell the unsubscribed securities directly to third parties or may engage the services of one or more underwriters, dealers or agents, including standby underwriters, to sell the unsubscribed securities to third parties.

If indicated in the applicable prospectus supplement, securities may also be offered or sold by a “remarketing firm” in connection with a remarketing arrangement contemplated by the terms of the securities. Remarketing firms may act as principals for their own accounts or as agents. The applicable prospectus supplement will identify any remarketing firm and the terms of its agreement, if any, with us. It will also describe the remarketing firm’s compensation. Remarketing firms may be deemed to be underwriters in connection with the remarketing of the securities.

If the prospectus supplement indicates, we may authorize agents, underwriters or dealers to solicit offers from certain types of institutions to purchase securities at the public offering price under delayed delivery contracts. These contracts would provide for payment and delivery on a specified date in the future. The contracts would be subject only to those conditions described in the prospectus supplement. The applicable prospectus supplement will describe the commission payable for solicitation of those contracts.

We may from time to time engage a firm or firms to act as our agent for one or more offerings of our securities. We sometimes refer to any such agent as our “offering agent.” If we reach agreement with an offering agent with respect to a specific offering, including the number of securities and any minimum price below which sales may not be made, then the offering agent will try to sell such securities on the agreed terms. The offering agent could make sales in privately negotiated transactions or any other method permitted by law, including sales deemed to be an “at the market” offering as defined in Rule 415 promulgated under the Securities Act, including sales made directly on an exchange, or sales made to or through a market maker other than on an exchange. Any such offering agent will be deemed to be an “underwriter” within the meaning of the Securities Act with respect to any sales effected through an “at the market” offering.

Unless the applicable prospectus supplement states otherwise, each series of offered securities will be a new issue and will have no established trading market, other than shares of our common stock, which are listed on the

Nasdaq Capital Market. We may elect to list any series of offered securities on an exchange. Any underwriters that we use in the sale of offered securities may make a market in such securities, but may discontinue such market making at any time without notice. Therefore, we cannot assure you that the securities will have a liquid trading market.

Any underwriter may also engage in stabilizing transactions, syndicate covering transactions and penalty bids in accordance with Rule 104 under the Exchange Act. Stabilizing transactions involve bids to purchase the underlying security in the open market for the purpose of pegging, fixing or maintaining the price of the securities. Syndicate covering transactions involve purchases of the securities in the open market after the distribution has been completed in order to cover syndicate short positions.

Penalty bids permit the underwriters to reclaim a selling concession from a syndicate member when the securities originally sold by the syndicate member are purchased in a syndicate covering transaction to cover syndicate short positions. Stabilizing transactions, syndicate covering transactions and penalty bids may cause the price of the securities to be higher than it would be in the absence of the transactions. The underwriters may, if they commence these transactions, discontinue them at any time.

We, the underwriters, dealers, or other agents may engage in derivative transactions involving the securities. These derivatives may consist of short sale transactions and other hedging activities. The underwriters, dealers, or agents may acquire a long or short position in the securities, hold or resell securities acquired and purchase options or futures on the securities and other derivative instruments with returns linked to or related to changes in the price of the securities. In order to facilitate these derivative transactions, we may enter into security lending or repurchase agreements with the underwriters, dealers, or agents. The underwriters, dealers, or agents may effect the derivative transactions through sales of the securities to the public, including short sales, or by lending the securities in order to facilitate short sale transactions by others. The underwriters, dealers, or agents may also use the securities purchased or borrowed from us or others (or, in the case of derivatives, securities received from us in settlement of those derivatives) to directly or indirectly settle sales of the securities or close out any related open borrowings of the securities.

We may also make sales through the Internet or through other electronic means. Since we may from time to time elect to offer securities directly to the public, with or without the involvement of agents, underwriters, or dealers, utilizing the Internet or other forms of electronic bidding or ordering systems for the pricing and allocation of such securities, you will want to pay particular attention to the description of that system we will provide in a prospectus supplement.

Such electronic system may allow bidders to directly participate, through electronic access to an auction site, by submitting conditional offers to buy that are subject to acceptance by us, and which may directly affect the price or other terms and conditions at which such securities are sold. These bidding or ordering systems may present to each bidder, on a so-called "real-time" basis, relevant information to assist in making a bid, such as the clearing spread at which the offering would be sold, based on the bids submitted, and whether a bidder's individual bids would be accepted, prorated or rejected.

Upon completion of such an electronic auction process, securities will be allocated based on prices bid, terms of bid or other factors. The final offering price at which securities would be sold and the allocation of securities among bidders would be based in whole or in part on the results of the Internet or other electronic bidding process or auction.

Agents, underwriters, and dealers may be entitled, under agreements entered into with us, to indemnification by us against certain liabilities, including liabilities under the Securities Act. Our agents, underwriters, and dealers, or their affiliates, may be customers of, engage in transactions with or perform services for us, in the ordinary course of business.

To comply with applicable state securities laws, the securities offered by this prospectus will be sold, if necessary, in such jurisdictions only through registered or licensed brokers or dealers. In addition, securities may not be sold in some states unless they have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and is complied with.

WHERE YOU CAN FIND MORE INFORMATION

We are currently subject to the information requirements of the Exchange Act and in accordance therewith file periodic reports, proxy and information statements, and other information with the SEC. Our SEC filings are available to you on the SEC's website at www.sec.gov. Our website address is <https://nauticusrobotics.com/>. Information on our website is not incorporated into this prospectus or our other securities filings and is not a part of this prospectus or any prospectus supplement.

Any statement contained in a document incorporated or deemed to be incorporated by reference in this prospectus will be deemed to be modified or superseded to the extent that a statement contained herein or in any other subsequently filed document which also is or is deemed to be incorporated by reference in this prospectus modifies or supersedes that statement. Any statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

If you make a request for such information in writing or by telephone, we will provide you, without charge, a copy of any or all of the information incorporated by reference into this prospectus. Any such request should be directed to:

Corporate Secretary Nauticus Robotics, Inc.
17146 Feathercraft Lane, Suite 450
Webster, TX 77598
(281) 942-9069

INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

The SEC allows us to "incorporate by reference" certain information into this prospectus, which means that we can disclose important information about us by referring you to another document filed separately with the SEC. The information incorporated by reference is considered to be a part of this prospectus. Because we are incorporating by reference future filings with the SEC, this prospectus is continually updated and those future filings may modify or supersede some of the information included or incorporated in this prospectus. This means that you must carefully review all of the SEC filings that we incorporate by reference to determine if any of the statements in this prospectus

or in any document previously incorporated by reference have been modified or superseded. However, we undertake no obligation to update or revise any statements we make, except as required by law.

This prospectus incorporates by reference the documents listed below (in each case, other than those documents or the portions of those documents not deemed to be filed, including information furnished under Item 2.02 or Item 7.01 of Form 8-K and any corresponding information furnished with respect to such Items under Item 9.01 or as an exhibit):

- our Annual Report on Form 10-K for fiscal year ended December 31, 2024, filed with the SEC on April 15, 2025;
- our Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2025, filed with the SEC on May 14, 2025;
- our definitive proxy statement on Schedule 14A filed with the SEC on April 29, 2025;
- our Current Reports on Form 8-K filed with the SEC on January 6, 2025, January 14, 2025, January 15, 2025, January 17, 2025, January 29, 2025, February 20, 2025, March 5, 2025, March 19, 2025, March 25, and April 2, 2025.
- the description of our securities which is contained in a Registration Statement on Form 8-A filed on July 14, 2021 under the Exchange Act, including any amendments or reports filed for the purpose of updating such description, including Exhibit 4.8 of our Annual Report on Form 10-K for the fiscal year ended December 31, 2023.

We also incorporate by reference into this prospectus all reports and documents that we may file with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of the initial registration statement and prior to effectiveness of the registration statement and after the date of this prospectus but prior to the termination of the offering of the securities hereunder, but excluding any information deemed furnished and not filed with the SEC.

LEGAL MATTERS

The validity of any securities offered from time to time by this prospectus and any related prospectus supplement will be passed upon for us by Norton Rose Fulbright US LLP, Houston, Texas. Any underwriters, dealers, or agents will be advised about other issues relating to any offering by their own legal counsel named in the applicable prospectus supplement.

EXPERTS

The consolidated financial statements of Nauticus Robotics, Inc. as of December 31, 2024 and 2023 and for the years then ended incorporated by reference have been so included in reliance on the report of Whitley Penn LLP, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting.

\$100,000,000 Common Stock Preferred Stock Depositary Shares Warrants

**Rights
Units**

Nauticus Robotics, Inc.

PROSPECTUS

May 29, 2025