

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

POST EFFECTIVE AMENDMENT NO. 2
TO

FORM S-1

REGISTRATION STATEMENT
UNDER THE SECURITIES ACT OF 1933



DATA STORAGE CORPORATION

(Exact name of registrant as specified in its charter)

Nevada
(State or other jurisdiction of
incorporation or organization)

7374
(Primary Standard Industrial
Classification Code Number)

98-0530147
(I.R.S. Employer
Identification Number)

Data Storage Corporation
225 Broadhollow Road, Suite 307
Melville, New York 11747
(212) 564-4922

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

Charles M. Piluso
Chief Executive Officer
Data Storage Corporation
225 Broadhollow Road, Suite 307
Melville, New York 11747
(212) 564-4922

(Name, address, including zip code, and telephone number, including area code, of agent for service)

With copies to:

Leslie Marlow, Esq.
Blank Rome LLP
1271 Avenue of the Americas
New York, New York 10020
(212) 885-8534

Approximate date of commencement of proposed sale to the public: **As soon as practicable after this Registration Statement is declared effective**

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933 check the following box: ☒

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☐
Non-accelerated filer ☒

Accelerated filer ☐
Smaller reporting company ☒
Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act. ☐

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933, as amended, or until the Registration Statement shall become effective on such date as the Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

EXPLANATORY NOTE

Data Storage Corporation (the “Company”) initially filed a registration statement on Form S-1 (File No. 333-259049), with the Securities and Exchange Commission (the “SEC”) on August 25, 2021, which was declared effective by the SEC on September 2, 2021 (the “Registration Statement”). On June 12, 2024, the Company filed Post-Effective Amendment No. 1 to Form S-1, which post-effective amendment was subsequently declared effective by the SEC on June 20, 2024.

This Post-Effective Amendment No. 2 to the Registration Statements (the “Post-Effective Amendment”) is being filed to serve as a Section 10(a)(3) update to the Registration Statement and to make certain other updates to the prospectus in the Registration Statement.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and the Company is not soliciting an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

PRELIMINARY PROSPECTUS

SUBJECT TO COMPLETION, DATED MAY 13, 2024

1,031,250 Shares of Common Stock



This prospectus relates to the resale by certain selling stockholders of Data Storage Corporation (the “Company”) of up to 1,031,250 shares (the “Shares”) of common stock par value \$0.001 per share (the “Common Stock”) issuable upon exercise of outstanding warrants issued to investors in a private placement offering that was completed in July 2021 (the “Selling Stockholder Warrants”).

We will not receive any proceeds from the resale of any of the Shares of Common Stock being registered hereby. We will receive the proceeds from any exercise of the Selling Stockholder Warrants for cash. See “Use of Proceeds” on page 5 of this prospectus.

The Selling Stockholders may sell the shares of Common Stock registered for resale in this prospectus in a number of different ways and at varying prices. With regard only to the shares it sells for its own behalf, each Selling Stockholder may be deemed to be an “underwriter” within the meaning of Section 2(a)(11) of the Securities Act of 1933, as amended. We have paid all of the registration expenses incurred in connection with the registration of the shares. We will not pay any of the selling commissions, brokerage fees and related expenses.

Our Common Stock is listed on The Nasdaq Capital Market (“Nasdaq”) under the symbol “DTST.” On May 8, 2025, the last reported sale price of our Common Stock on Nasdaq was \$3.66 per share.

Investing in our securities involves a high degree of risk. See “Risk Factors” beginning on page 4 of this prospectus. You should carefully consider these risk factors, as well as the information contained in this prospectus, before you invest.

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

The date of this prospectus is May 13, 2025.

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No dealer, salesperson or other person is authorized to give any information or to represent anything not contained in this prospectus. You must not rely on any unauthorized information or representations. This prospectus is an offer to sell only the Shares of Common Stock offered hereby, but only under circumstances and in jurisdictions where it is lawful to do so. The information contained in this prospectus is current only as of its date.

ABOUT THIS PROSPECTUS

This Post-Effective Amendment of which this prospectus forms a part and that we have filed with the Securities and Exchange Commission (“SEC”), includes exhibits that provide more detail of the matters discussed in this prospectus. You should read this prospectus and the related exhibits filed with the SEC, together with the additional information described under the heading “Where You Can Find More Information.”

You should rely only on information contained in this prospectus. We have not, and the Selling Stockholders have not, authorized anyone to provide you with additional information or information different from that contained in this prospectus. Neither the delivery of this prospectus nor the sale of our securities means that the information contained in this prospectus is correct after the date of this prospectus. This prospectus is not an offer to sell or the solicitation of an offer to buy our securities in any circumstances under which the offer or solicitation is unlawful or in any state or other jurisdiction where the offer is not permitted.

For investors outside the United States: Neither we nor any of the Selling Stockholders have taken any action that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than in the United States. 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 securities covered hereby and the distribution of this prospectus outside of the United States.

The information in this prospectus is accurate only as of the date on the front cover of this prospectus. Our business, financial condition, results of operations and prospects may have changed since those dates.

No person is authorized in connection with this prospectus to give any information or to make any representations about us, the securities offered hereby or any matter discussed in this prospectus, other than the information and representations contained in this prospectus. If any other information or representation is given or made, such information or representation may not be relied upon as having been authorized by us.

Neither we nor the Selling Stockholders have done anything that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than the United States. You are required to inform yourself about, and to observe any restrictions relating to, this offering and the distribution of this prospectus.

References to “Data Storage”, DSC,” the “Company”, “we”, “us” and “our” mean Data Storage Corporation and its consolidated subsidiaries, unless the context otherwise requires.

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

This prospectus contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended (the “Securities Act”), and Section 21E of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), that are intended to qualify for the “safe harbor” created by those sections. The words “anticipate,” “believe,” “could,” “estimate,” “expect,” “intend,” “may,” “plan,” “potential,” “predict,” “project,” “should,” “target,” “will,” “would” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. All statements other than statements of historical facts contained in this prospectus, including among others, the uncertainties associated with the ongoing COVID-19 pandemic, including, but not limited to uncertainties surrounding the duration of the pandemic, government orders and travel restrictions, and the effect on the global economy and consumer spending, statements regarding our strategy, future operations, future financial position, future revenue, projected costs, prospects, opportunities, plans, objectives of management, competitive advantages, and expected market growth are forward-looking statements.

Our actual results and the timing of certain events may differ materially from those expressed or implied in such forward-looking statements due to a variety of factors and risks, including, but not limited to, those set forth under “Risk Factors,” those set forth from time to time in our other filings with the SEC.

Although the forward-looking statements contained in this registration statement and the prospectus forming a part thereof are based upon what management believes to be reasonable assumptions and there is no assurance that actual results will be consistent with these forward-looking statements. These forward-looking statements are made as of the date of the registration statement, this prospectus or as of the date specified in the documents incorporated by reference therein or herein, as the case may be. The forward-looking statements involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. You should not rely upon forward-looking statements as predictions of future events.

The forward-looking statements in this prospectus represent our views as of the date of this prospectus. Factors or events that could cause our actual results to differ may emerge from time to time, and it is not possible for us to predict all of them. We undertake no obligation to publicly update or revise any forward-looking statement, whether as the result of new information, future events or otherwise, except as required by law.

Industry and Market Data

The registration statement and this prospectus forming a part thereof, and the documents incorporated by reference herein or therein, as the case may be, contain estimates made, and other statistical data published, by independent parties and by us relating to market size and growth and other data about our industry.

This data involves a number of assumptions and limitations and contains projections and estimates of the future performance of the industries in which we operate that are inherently subject to a high degree of uncertainty and actual events or circumstances may differ materially from events and circumstances reflected in this information. We caution you not to give undue weight to such projections, assumptions and estimates. While we believe that these publications, studies and surveys are reliable, we have not independently verified the data contained in them. In addition, while we believe that the results and estimates from our internal research are reliable, such results and estimates have not been verified by any independent source.

PROSPECTUS SUMMARY

This summary highlights certain information appearing elsewhere in this prospectus. Because this is only a summary, it does not contain all of the information you should consider before investing in our securities and it is qualified in its entirety by, and should be read in conjunction with, the more detailed information included elsewhere in this prospectus. Before you make an investment decision, you should read this entire prospectus carefully, and the section titled “Business,” “Risk Factors” and “Management’s Discussion and Analysis of Financial Condition and Results of Operations” incorporated by reference from our most recent Annual Report on Form 10-K and in our Quarterly Reports on Form 10-Q, as well as any amendments thereto, filed with the SEC, and our audited financial statements and the related notes incorporated by reference from our most recent Annual Report on Form 10-K, filed with the SEC. You should also carefully read our financial statements, and the exhibits to the registration statement of which this prospectus forms a part, our most recent Annual Report on Form 10-K and in our Quarterly Reports on Form 10-Q, as well as any amendments thereto, filed with the SEC. This prospectus includes forward-looking statements that involve risks and uncertainties. See “Cautionary Note Regarding Forward-Looking Statements.”

Corporate Overview

The Company is a leading provider of enterprise cloud and business continuity solutions, specializing in fully managed cloud hosting, disaster recovery, cybersecurity, and IT automation services. DSC leverages its expertise through its subsidiaries: CloudFirst Technologies Corporation (“CloudFirst Technologies”), CloudFirst Europe Ltd. (“CloudFirst Europe” and, together with CloudFirst Technologies, “CloudFirst”), and Nexxis Inc. (“Nexxis”). Through its CloudFirst platform – built on IBM Power Systems infrastructure – DSC delivers high-performance cloud solutions tailored for IBM i and AIX workloads. This niche focus on IBM Power environments distinguishes CloudFirst in the market: none of the major public cloud providers (AWS, Microsoft Azure, or Google Cloud) natively support IBM i/AIX workload, giving DSC a distinct competitive edge in serving clients with these mission-critical systems. The Company leverages long-term subscription contracts for its cloud and disaster-recovery services, yielding a highly recurring revenue base and strong customer retention (historically over 90% annual subscription renewal rates). DSC’s client base exceeds 425 organizations across diverse sectors – including government, healthcare, education, manufacturing, and Fortune 500 enterprises – reflecting broad market demand for its multi-cloud hosting and business continuity solutions. In recent years, DSC has undertaken strategic expansions (organically and via acquisitions) to reinforce its position as an emerging growth leader in the multi-billion-dollar cloud hosting and business continuity market. Notably, the integration of Flagship Solutions, LLC (“Flagship”) (which became a subsidiary of DSC in 2021) into CloudFirst was completed in January 2024, unlocking operational synergies and enabling cross-selling of the full CloudFirst suite to Flagship’s established customer base. This integration, combined with enhanced distribution and marketing capabilities post-2021 Nasdaq uplisting, has bolstered DSC’s growth trajectory and technical expertise.

Solutions and Services

DSC provides a comprehensive portfolio of solutions to ensure clients’ critical IT systems remain operational, secure, and resilient:

- **Cloud Infrastructure Services (IaaS)** – CloudFirst offers fully managed cloud hosting for IBM Power systems (IBM i and AIX) as well as x86 environments. Clients can migrate on-premises IBM workloads to DSC’s owned and operated cloud and run them on enterprise-grade IBM Power infrastructure, with interoperability to public clouds like AWS, Azure, and Google for hybrid deployments. DSC’s cloud solutions include comprehensive migration services to ensure seamless transfer of data and applications from legacy systems to the cloud with minimal downtime.
- **Disaster Recovery & Business Continuity** – DSC delivers robust disaster-recovery-as-a-service and business continuity solutions to protect organizations from downtime and data loss. CloudFirst’s recovery services provide off-site data replication, rapid failover for IBM i/AIX and Windows/Linux systems, and cloud-based backup to meet stringent recovery time objectives. These services ensure that clients can quickly restore critical applications in the event of cyberattacks, hardware failures, or natural disasters, thereby minimizing operational disruption.

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- **Cybersecurity Solutions** – Through its security suite, DSC offers comprehensive cybersecurity and compliance services. This includes endpoint protection, network security, data encryption, ransomware defense, vulnerability assessments, and IBM i security monitoring. By integrating cybersecurity into its cloud and DR offerings, DSC provides a layered defense to safeguard client data and systems across on-premise and cloud environments.
- **Managed IT Services and Support** – DSC augments its core cloud offerings with managed services such as systems monitoring, IT automation, and voice & data communications solutions. For example, through its Nexxis subsidiary, DSC provides Voice over Internet Protocol (“VoIP”)/Unified Communications and dedicated internet connectivity as part of its one-stop solution set. These ancillary services enable clients to rely on a single provider for a broad range of IT infrastructure needs.

This integrated solutions portfolio positions DSC as a single-source provider for cloud infrastructure, disaster recovery, cybersecurity, and connectivity. From initial cloud migration through ongoing management and support, the Company ensures clients’ workloads run securely and efficiently in a multi-cloud environment. DSC’s value proposition is underscored by its high service reliability (Tier III data centers with 99.999% uptime SLAs) and a consultative approach by in-house solution architects to meet each client’s unique requirements.

Transactions with Holders of Warrants

July Registered Direct Offering

On July 19, 2021, we entered into a securities purchase agreement (the “Purchase Agreement”) with certain accredited institutional investors pursuant to which we issued and sold, (i) in a registered direct offering priced at-the-market under Nasdaq rules, an aggregate of 1,375,000 shares (the “Shares”) of Common Stock and (ii) in a concurrent private placement, Selling Stockholder Warrants to purchase an aggregate of 1,031,250 shares of Common Stock) at a combined price of \$6.04. The Selling Stockholder Warrants expire on the five year and six-month anniversary of the issuance date.

As of the date of this prospectus, 1,031,250 shares of Common Stock remain issuable upon the exercise of the Selling Stockholder Warrants. The Selling Stockholder Warrants expire in January 2027.

As of the date of this prospectus, the Selling Stockholder Warrants were exercisable to purchase shares of Common Stock at \$6.15 per share. The exercise price and the number of shares of Common Stock purchasable upon the exercise of each Selling Stockholder Warrant are subject to adjustment upon the happening of certain events, such as stock dividends, distributions, and splits.

SUMMARY OF THE OFFERING

This offering involves a total of 1,031,250 shares of Common Stock underlying warrants.

Common Stock offered by Selling Stockholders	Up to 1,031,250 shares of Common Stock issuable upon exercise of Selling Stockholder Warrants
Use of proceeds	The Selling Stockholders will receive all of the proceeds of the sale of shares of Common Stock issuable upon exercise of the Selling Stockholder Warrants offered from time to time pursuant to this prospectus. We will receive proceeds from the cash exercise of the Selling Stockholder Warrants for cash. We intend to use any net proceeds from the exercise of Selling Stockholder Warrants for general corporate purposes. See “ <i>Use of Proceeds</i> .”
Risk factors	See “ <i>Risk Factors</i> ” and the other information included in this prospectus for a discussion of factors you should carefully consider before deciding to invest in our Common Stock.
Market and Trading Symbol	Our shares of Common Stock are traded on The Nasdaq Capital Market under the symbol “DTST”. The Warrants are listed on The Nasdaq Capital Market under the symbol “DTSTW”.
Transfer agent and registrar	VStock Transfer LLC

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RISK FACTORS

Investing in our Common Stock involves a high degree of risk. You should carefully consider and evaluate all of the information contained in this prospectus and in the documents we incorporate by reference into this prospectus before you decide to purchase our shares of Common Stock. In particular, you should carefully consider and evaluate the risks and uncertainties described under the heading “Risk Factors” in our most recent Annual Report on Form 10-K, as updated by annual, quarterly and other reports and documents that we file with the SEC and incorporate by reference into this prospectus, or any prospectus, which risks could materially and adversely affect our business, results of operations and financial condition, which in turn could materially and adversely affect the value of the shares of our Common Stock offered by this prospectus. Our business, financial condition, results of operations and prospects could be materially and adversely affected by these risks. As a result, you could lose all or part of your investment.

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USE OF PROCEEDS

The Selling Stockholders will receive all of the proceeds of the sale of shares of Common Stock issuable upon exercise of the Selling Stockholder Warrants offered from time to time pursuant to this prospectus. Accordingly, we will not receive any proceeds from the resale of any of the shares of Common Stock issuable upon exercise of the Selling Stockholder Warrants being registered hereby. We will, however, receive the proceeds from any exercise of the Selling Stockholder Warrants for cash. Assuming the exercise of all Selling Stockholder Warrants, our gross proceeds from the exercise of the Selling Stockholder Warrants will be approximately \$6.3 million.

We cannot predict when or how many of these Selling Stockholder Warrants will be exercised. It is possible that a significant number of these Selling Stockholder Warrants may expire and may never be exercised.

We intend to use the proceeds from the exercise of the Selling Stockholder Warrants, if any, for working capital and for general corporate purposes. We may temporarily invest the proceeds in short-term, interest-bearing instruments or other investment-grade securities.

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MARKET FOR OUR COMMON STOCK

Market Information

On May 14, 2021, our Common Stock began trading on The Nasdaq Capital Market under the symbol of “DTST” and our tradeable Warrants began trading under the symbol “DTSTW.”

Holders

As of May 9, 2025, we had approximately 30 shareholders of record of our Common Stock, one of which was Cede & Co., a nominee for Depository Trust Company (“DTC”). All the shares of the Company’s Common Stock held by brokerage firms, banks and other financial institutions as nominees for beneficial owners are deposited into participant accounts at DTC and are therefore considered to be held or recorded by Cede & Co. as one stockholder.

Dividend Policy

We have never paid or declared any cash dividends on our Common Stock, and we do not anticipate paying any cash dividends on our Common Stock in the foreseeable future. Any future determination to pay dividends will be at the discretion of our Board and will depend upon a number of factors, including our results of operations, financial condition, future prospects, contractual restrictions, restrictions imposed by applicable law and other factors our Board deems relevant.

Issuer Purchases of Equity Securities

None.

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DILUTION

If you invest in our shares of Common Stock pursuant to the exercise of the Selling Stockholder Warrants, your interest may be immediately and substantially diluted to the extent of the difference between the exercise price you pay per share and the pro forma net tangible book value per share of our Common Stock. Net tangible book value per share is equal to the amount of our total tangible assets, less total liabilities, divided by the number of outstanding shares of our Common Stock. As of December 31, 2024, our historical net tangible book value was approximately \$15.5 million, or approximately \$2.20 per share.

Our pro forma net tangible book value as of December 31, 2024 was approximately \$25.5 million or \$2.17 per share of Common Stock, based upon 7,139,893 shares of Common Stock outstanding as of May 12, 2025. Pro forma net tangible book value represents net tangible book value adjusted to take into account the issuance, subsequent to December 31, 2024, of an aggregate of 94,785 shares of Common Stock to officers, directors, employees and/or consultants.

Assuming the cash exercise of all of the remaining Selling Stockholder Warrants, resulting in the issuance of 1,031,250 shares of Common Stock upon the exercise thereof and our receipt of aggregate gross proceeds of approximately \$6.3 million, our as adjusted net tangible book value would have been approximately \$21.8 million, or \$2.67 per share at December 31, 2024. This represents an immediate increase in net tangible book value of approximately \$0.50 per share to our existing stockholders, and an immediate dilution of \$3.48 per share to investors purchasing Selling Stockholder Warrants.

The following table illustrates the per share dilution to investors purchasing shares in an offering using this prospectus:

Exercise price per Selling Stockholder Warrant		\$	6.15
Pro forma net tangible book value per share as of December 31, 2024	\$	2.17	
Increase in pro forma net tangible book value per share	\$	0.50	
Pro forma as adjusted net tangible book value per share after this offering	\$	2.67	
Dilution per share to investors exercising Selling Stockholder Warrants	\$	3.48	

The number of shares of Common Stock that will be outstanding immediately after this offering as shown above is based on 7,045,108 shares of Common Stock outstanding as of December 31, 2024. This amount excludes, as of December 31, 2024:

- 678,302 shares of Common Stock issuable upon the exercise of stock options, with a weighted-average exercise price \$2.79 per share;
- 214,375 shares of Common Stock issuable upon the settlement of outstanding restricted stock units; and
- 1,464,610 shares of Common Stock issuable upon the exercise of outstanding warrants (other than the Selling Stockholder Warrants that are being offered pursuant to this prospectus), with a weighted-average exercise price of \$7.425 per share.

PLAN OF DISTRIBUTION

Selling Stockholders

Each Selling Stockholder and any of their pledgees, assignees and successors-in-interest may, from time to time, sell any or all of their securities covered hereby on The Nasdaq Capital Market or any other stock exchange, market or trading facility on which the securities are traded or in private transactions. These sales may be at fixed or negotiated prices. The Company will not receive any of the proceeds from the sale by the Selling Stockholders other than the exercise price of the Selling Stockholder Warrants upon exercise of such Selling Stockholder Warrants for Shares. A Selling Stockholder may use any one or more of the following methods when selling securities:

- ordinary brokerage transactions and transactions in which the broker-dealer solicits purchasers;
- block trades in which the broker-dealer will attempt to sell the securities as agent but may position and resell a portion of the block as principal to facilitate the transaction;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its account;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- settlement of short sales;
- in transactions through broker-dealers that agree with the Selling Stockholders to sell a specified number of such securities at a stipulated price per security;
- through the writing or settlement of options or other hedging transactions, whether through an options exchange or otherwise;
- a combination of any such methods of sale; or
- any other method permitted pursuant to applicable law.

The Selling Stockholders may also sell Shares under the safe harbor provided by Rule 144 or any other exemption from registration under the Securities Act, if available, rather than under this prospectus.

Broker-dealers engaged by the Selling Stockholders may arrange for other brokers-dealers to participate in sales. Broker-dealers may receive commissions or discounts from the Selling Stockholders (or, if any broker-dealer acts as agent for the purchaser of securities, from the purchaser) in amounts to be negotiated, but, except as set forth in a supplement to this Prospectus, in the case of an agency transaction not in excess of a customary brokerage commission in compliance with FINRA Rule 2121; and in the case of a principal transaction a markup or markdown in compliance with FINRA Rule 2121.

In connection with the sale of the Shares or interests therein, the Selling Stockholders may enter into hedging transactions with broker-dealers or other financial institutions, which may in turn engage in short sales of the securities in the course of hedging the positions they assume. The Selling Stockholders may also sell securities short and deliver these securities to close out their short positions, or loan or pledge the securities to broker-dealers that in turn may sell these securities. The Selling Stockholders may also enter into option or other transactions with broker-dealers or other financial institutions or create one or more derivative securities which require the delivery to such broker-dealer or other financial institution of securities offered by this prospectus, which securities such broker-dealer or other financial institution may resell pursuant to this prospectus (as supplemented or amended to reflect such transaction).

The Selling Stockholders and any broker-dealers or agents that are involved in selling the securities may be deemed to be “underwriters” within the meaning of the Securities Act in connection with such sales. In such event, any commissions received by such broker-dealers or agents and any profit on the resale of the securities purchased by them may be deemed to be underwriting commissions or discounts under the Securities Act. Each Selling Stockholder has informed the Company that it does not have any written or oral agreement or understanding, directly or indirectly, with any person to distribute the securities.

The Company is required to pay certain fees and expenses incurred by the Company incident to the registration of the securities. The Company has agreed to indemnify the Selling Stockholders against certain losses, claims, damages and liabilities, including liabilities under the Securities Act.

We agreed to keep this prospectus effective until the earlier of (i) the date on which the Shares may be freely resold by the Selling Stockholders without registration and without regard to any volume or manner-of-sale limitations by reason of Rule 144, without the requirement for the Company to be in compliance with the current public information under Rule 144 under the Securities Act or any other rule of similar effect, or (ii) all of the Shares have been sold pursuant to this prospectus or Rule 144 under the Securities Act or any other rule of similar effect, under circumstances in which any legend borne by such securities relating to restrictions on transferability thereof, under the Securities Act or otherwise, is removed. The resale securities will be sold only through registered or licensed brokers or dealers if required under applicable state securities laws. In addition, in certain states, the resale securities covered hereby may not be sold 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.

Under applicable rules and regulations under the Exchange Act, any person engaged in the distribution of the resale securities may not simultaneously engage in market making activities with respect to the securities for the applicable restricted period, as defined in Regulation M, prior to the commencement of the distribution. In addition, the Selling Stockholders will be subject to applicable provisions of the Exchange Act and the rules and regulations thereunder, including Regulation M, which may limit the timing of purchases and sales of the securities by the Selling Stockholders or any other person. We will make copies of this prospectus available to the Selling Stockholders and have informed them of the need to deliver a copy of this prospectus to each purchaser of the securities at or prior to the time of the sale (including by compliance with Rule 172 under the Securities Act).

SELLING STOCKHOLDERS FOR WHOSE ACCOUNTS WE ARE REGISTERING SHARES

This prospectus covers the resale from time to time by the Selling Stockholders and future shareholders identified in the table below of up to 1,031,250 shares of Common Stock underlying the Selling Stockholder Warrants as follows:

- 172,500 Shares underlying a Selling Stockholder Warrant issued to one (1) Selling Stockholder pursuant to the Purchase Agreement;
- 172,500 Shares underlying a Selling Stockholder Warrant issued to one (1) Selling Stockholder pursuant to the Purchase Agreement;
- 172,500 shares underlying a Selling Stockholder Warrant issued to one (1) Selling Stockholder pursuant to the Purchase Agreement;
- 172,500 Shares underlying a Selling Stockholder Warrant issued to one (1) Selling Stockholder pursuant to the Purchase Agreement;
- 86,250 Shares underlying a Selling Stockholder Warrant issued to one (1) Selling Stockholder pursuant to the Purchase Agreement;
- 86,250 Shares underlying a Selling Stockholder Warrant issued to one (1) Selling Stockholder pursuant to the Purchase Agreement;
- 33,750 Shares underlying a Selling Stockholder Warrant issued to one (1) Selling Stockholder pursuant to the Purchase Agreement;
- 89,424 Shares underlying a Selling Stockholder Warrant issued to one (1) Selling Stockholder pursuant to the Purchase Agreement; and
- 45,576 Shares underlying a Selling Stockholder Warrant issued to one (1) Selling Stockholder pursuant to the Purchase Agreement

This prospectus generally covers the maximum number of Shares issuable upon exercise of the Selling Stockholder Warrants, without regard to any limitations on the exercise of the Selling Stockholder Warrants.

The table below lists the Selling Stockholders and other information regarding the beneficial ownership of shares of Common Stock by each of the Selling Stockholders. The first column in the table below lists the name of each Selling Stockholder. The second column lists the number of shares of Common Stock beneficially owned by each Selling Stockholder, based on its beneficial ownership of the shares of Common Stock, as of May 12, 2025.

The third column lists the maximum number of shares of Common Stock being offered by this prospectus by the Selling Stockholders and assumes full exercise of the Selling Stockholder Warrants, which are subject to a beneficial ownership limitation.

This prospectus generally covers the resale of all shares of Common Stock beneficially owned by the Selling Stockholders. The fourth column assumes the exercise of all the Selling Stockholder Warrants held by such Selling Stockholder and the sale of all of the Shares issued to such Selling Stockholder upon such exercise and offered by the Selling Stockholders pursuant to this prospectus, but no other shares.

The Selling Stockholders may sell all, some or none of their Shares in this offering. See “*Plan of Distribution*.” The percentages of shares owned after the offering are based on 7,139,893 shares of Common Stock outstanding on May 12, 2025. Beneficial ownership is determined in accordance with the rules of the SEC and includes voting or investment power with respect to our Common Stock. Generally, a person “beneficially owns” shares of our Common Stock if the person has or shares with others the right to vote those shares or to dispose of them, or if the person has the right to acquire voting or disposition rights within 60 days. In computing the number of shares of our Common Stock beneficially owned by a person as of May 12, 2025, we deemed outstanding shares of Common Stock issuable upon the Selling Stockholder Warrants held by that Selling Stockholder subject to the beneficial ownership limitation because they are all currently exercisable. We did not deem these shares outstanding, however, for the purpose of computing the percentage ownership of any other Selling Stockholder. The inclusion of any shares in this table does not constitute an admission of beneficial ownership for any Selling Stockholder named below.

Beneficial Ownership	Shares of Common Stock Being	Beneficial Ownership	Percentage of Common Stock Owned
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Stockholder	Before Offering	Offered for Resale	After the Offering	After the Offering
CVI Investments, Inc. ⁽¹⁾	201,500	172,500	29,000	*
Armistice Capital Master Fund Ltd. ⁽²⁾	172,500	172,500	—	—
Hudson Bay Master Fund Ltd. ⁽³⁾	172,500	172,500	—	—
Intracoastal Capital, LLC ⁽⁴⁾	199,000	172,500	26,500	*
Lind Global Macro Fund, LP ⁽⁵⁾	86,250	86,250	—	—
Lind Global Fund II LP ⁽⁵⁾	86,250	86,250	—	—
Kingsbrook Opportunities Master Fund LP ⁽⁶⁾	33,750	33,750	—	—
Boothbay Absolute Return Strategies, LP ⁽⁷⁾	89,424	89,424	—	—
Boothbay Diversified Alpha Master Fund LP ⁽⁸⁾	45,576	45,576	—	—

* Less than 1%

(1) Heights Capital Management, Inc., the authorized agent of CVI Investments, Inc. ("CVI"), has discretionary authority to vote and dispose of the Selling Stockholder Warrants held by CVI, and any shares issued upon exercise of such Selling Stockholder Warrants and may be deemed to be the beneficial owner of such shares. Martin Kobinger, in his capacity as Investment Manager of Heights Capital Management, Inc., may also be deemed to have investment discretion and voting power over the securities held by CVI. Mr. Kobinger disclaims any such beneficial ownership of such securities. CVI Investments, Inc. is affiliated with one or more FINRA member, none of whom are currently expected to participate in the sale pursuant to the prospectus contained in the Registration Statement of securities purchased by the Investor in this Offering. The principal business address of Heights Capital Management, Inc. is 101 California Street, Suite 3250, San Francisco, CA 94111.

(2) The securities are directly held by Armistice Capital Master Fund Ltd., a Cayman Islands exempted company (the "Master Fund"), and may be deemed to be beneficially owned by: (i) Armistice Capital, LLC ("Armistice Capital"), as the investment manager of the Master Fund; and (ii) Steven Boyd, as the Managing Member of Armistice Capital. The warrants are subject to a beneficial ownership limitation of 4.99%, which such limitation restricts the Selling Stockholder from exercising that portion of the warrants that would result in the Selling Stockholder and its affiliates owning, after exercise, a number of shares of common stock in excess of the beneficial ownership limitation. The address of Armistice Capital Master Fund Ltd. is c/o Armistice Capital, LLC, 510 Madison Ave, 7th Floor, New York, NY 10022

(3) Hudson Bay Capital Management LP, the investment manager of Hudson Bay Master Fund Ltd., has voting and investment power over these securities. Sander Gerber is the managing member of Hudson Bay Capital GP LLC, which is the general partner of Hudson Bay Capital Management LP. Each of Hudson Bay Master Fund Ltd. and Sander Gerber disclaims beneficial ownership over these securities. The principal business address of Hudson Bay Master Fund Ltd is c/o Hudson Bay Capital Management LP, 28 Havemeyer Place, 2nd Floor, Greenwich CT 06830.

(4) Mitchell P. Kopin ("Mr. Kopin") and Daniel B. Asher ("Mr. Asher"), each of whom are managers of Intracoastal Capital LLC ("Intracoastal"), have shared voting control and investment discretion over the securities reported herein that are held by Intracoastal. As a result, each of Mr. Kopin and Mr. Asher may be deemed to have beneficial ownership (as determined under Section 13(d) of the Exchange Act of the securities reported herein that are held by Intracoastal. The principal business address of Intracoastal is 245 Palm Trail, Delray Beach, Florida 33483.

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(5) Lind Global Partners LLC, the general partner of Lind Global Macro Fund, LP, may be deemed to have sole voting and dispositive power with respect to the Selling Stockholder Warrants held by Lind Global Macro Fund, LP, and any Shares issued upon exercise of such Warrants. Lind Global Partners II LLC, the general partner of Lind Global Fund II LP, may be deemed to have sole voting and dispositive power with respect to the Selling Stockholder Warrants held by Lind Global Fund II, LP and any Shares issued upon exercise of such Selling Stockholder Warrants. Jeff Easton, the managing member of each of Lind Global Partners LLC and Lind Global Partners II LLC, may be deemed to have sole voting and dispositive power with respect to the Shares beneficially owned by Lind Global Macro Fund LP and Lind Global Fund II LP. Mr. Easton disclaims beneficial ownership over the securities listed except to the extent of his pecuniary interest therein. The principal business address of each of Lind Global Macro Fund LP and Lind Global Fund II LP is 444 Madison Ave., 41st Floor, New York NY 10022.

(6) Kingsbrook Partners LP ("Kingsbrook Partners") is the investment manager of Kingsbrook Opportunities Master Fund LP ("Kingsbrook Opportunities") and consequently has voting control and investment discretion over securities held by Kingsbrook Opportunities. Kingsbrook Opportunities GP LLC ("Opportunities GP") is the general partner of Kingsbrook Opportunities and may be considered the beneficial owner of any securities deemed to be beneficially owned by Kingsbrook Opportunities. KB GP LLC ("GP LLC") is the general partner of Kingsbrook Partners and may be considered the beneficial owner of any securities deemed to be beneficially owned by Kingsbrook Partners. Ari J. Storch, Adam J. Chill and Scott M. Wallace are the sole managing members of Opportunities GP and GP LLC and as a result may be considered beneficial owners of any securities deemed beneficially owned by Opportunities GP and GP LLC. Each of Kingsbrook Partners, Opportunities GP, GP LLC and Messrs. Storch, Chill and Wallace disclaim beneficial ownership of these securities. The principal business address is 689 Fifth Avenue, 12th Floor, New York, New York 10022.

(7) Boothbay Absolute Return Strategies LP, a Delaware limited partnership (the "Fund"), is managed by Boothbay Fund Management, LLC, a Delaware limited liability company (the "Adviser"). The Adviser, in its capacity as the investment manager of the Fund, has the power to vote and the power to direct the disposition of all securities held by the Fund. Ari Glass is the Managing Member of the Adviser. Each of the Fund, the Adviser and Mr. Glass disclaim beneficial ownership of these securities, except to the extent of any pecuniary interest therein. The principal business address is 689 Fifth Avenue, 12th Floor, New York, New York 10022.

(8) Boothbay Diversified Alpha Master Fund LP, a Cayman Islands limited partnership (the "Fund"), is managed by Boothbay Fund Management, LLC, a Delaware limited liability company (the "Adviser"). The Adviser, in its capacity as the investment manager of the Fund, has the power to vote and the power to direct the disposition of all securities held by the Fund. Ari Glass is the Managing Member of the Adviser. Each of the Fund, the Adviser and Mr. Glass disclaim beneficial ownership of these securities, except to the extent of any pecuniary interest therein. The principal business address is 689 Fifth Avenue, 12th Floor, New York, New York 10022.

Relationship with Selling Stockholders

To our knowledge, none of the Selling Stockholders had any position, office, or other material relationship with us or any of our affiliates within the past three years, except that, upon information and belief, certain of the Selling Stockholders, including, without limitation, CVI Investments, Inc., Intracoastal Capital, LLC, Lind Global Macro Fund, LP, Lind Global Fund II LP, purchased.

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DESCRIPTION OF SECURITIES OFFERED

This prospectus relates to the resale by certain selling stockholders of up to 1,031,250 Shares of Common Stock issuable upon exercise of outstanding Selling Stockholder Warrants.

Common Stock

The material terms of our Common Stock are described under the caption “Description of Our Capital Stock” in this prospectus.

DESCRIPTION OF OUR CAPITAL STOCK

The following description of our capital stock is not complete and may not contain all the information you should consider before investing in our capital stock. This description is summarized from, and qualified in its entirety by reference to, our Amended and Restated Articles of Incorporation and Bylaws, which have been publicly filed with the SEC. See “Where You Can Find More Information; Incorporation of Certain Information by Reference.”

The Company has 260,000,000 authorized shares of capital stock, consisting of 250,000,000 shares of Common Stock, par value \$0.001, and 10,000,000 shares of Preferred Stock, par value \$0.001 per share. As of May 12, 2025, we had 7,139,893 shares of Common Stock outstanding and 0 shares of Preferred Stock outstanding.

The authorized but unissued shares of our Common Stock and Preferred Stock are available for future issuance without shareholder approval. These additional shares may be used for a variety of corporate finance transactions, acquisitions and employee benefit plans. The existence of authorized but unissued and unreserved Common Stock and Preferred Stock could make more difficult or discourage an attempt to obtain control of us by means of a proxy contest, tender offer, merger or otherwise.

Description of Common Stock

Authorized Shares of Common Stock

The authorized number of shares of Common Stock is 250,000,000 shares of Common Stock.

Voting Rights

The holders of Common Stock have the unlimited right to vote for the election of directors and on all other matters requiring stockholder action, each share being entitled to one vote.

Dividend Rights

Subject to preferences that may be applicable to any then outstanding preferred stock, the holders of Common Stock are entitled to receive dividends, if any, as may be declared and paid or set apart for payment upon the Common Stock out of any assets or funds of the Company legally available for the payment of dividends.

Liquidation Rights

Upon the voluntary or involuntary liquidation, dissolution or winding-up of the Company the net assets of the Company available for distribution shall be distributed pro rata to the holders of the Common Stock in accordance with their respective rights and interests.

Other Rights and Preferences

The holders of the Common Stock have no preemptive, conversion or subscription rights, and there are no redemption or sinking fund provisions applicable to the Common Stock. The rights, preferences and privileges of the holders of the Common Stock are subject to, and may be adversely affected by, the rights of the holders of shares of any series of our preferred stock that is currently outstanding and that we may designate and issue in the future.

Fully Paid and Nonassessable

All of the outstanding shares of Common Stock are fully paid and non-assessable.

Anti-takeover Effects of Our Articles of Incorporation and By-laws

Our Articles of Incorporation and Bylaws contain certain provisions that may have anti-takeover effects, making it more difficult for or preventing a third party from acquiring control of the Company or changing our board of directors and management. According to the Articles of Incorporation and Bylaws, the holders of the Common Stock do not have cumulative voting rights in the election of our directors. The lack of cumulative voting makes it more difficult for other stockholders to replace our board of directors or for a third party to obtain control of our Company by replacing its board of directors.

Anti-Takeover Effects of Nevada Law

Business Combinations

The “business combination” provisions of Sections 78.411 to 78.444, inclusive, of the Nevada Revised Statutes generally prohibit a Nevada corporation with at least 200 stockholders from engaging in various “combination” transactions with any interested stockholder for a period of two years after the date of the transaction in which the person became an interested stockholder, unless the transaction is approved by the board of directors prior to the date the interested stockholder obtained such status or the combination is approved by the board of directors and thereafter is approved at a meeting of the stockholders by the affirmative vote of stockholders representing at least 60% of the outstanding voting power held by disinterested stockholders, and extends beyond the expiration of the two-year period, unless:

- the combination was approved by the board of directors prior to the person becoming an interested stockholder or the transaction by which the person first became an interested stockholder was approved by the board of directors before the person became an interested stockholder or the combination is later approved by a majority of the voting power held by disinterested stockholders; or
- if the consideration to be paid by the interested stockholder is at least equal to the highest of: (a) the highest price per share paid by the interested stockholder within the two years immediately preceding the date of the announcement of the combination or in the transaction in which it became an interested stockholder, whichever is higher, (b) the market value per share of Common Stock on the date of announcement of the combination and the date the interested stockholder acquired the shares, whichever is higher, or (c) for holders of preferred stock, the highest liquidation value of the preferred stock, if it is higher.

A “combination” is generally defined to include mergers or consolidations or any sale, lease exchange, mortgage, pledge, transfer, or other disposition, in one transaction or a series of transactions, with an “interested stockholder” having: (a) an aggregate market value equal to 5% or more of the aggregate market value of the assets of the corporation, (b) an aggregate market value equal to 5% or more of the aggregate market value of all outstanding shares of the corporation, (c) 10% or more of the earning power or net income of the corporation, and (d) certain other transactions with an interested stockholder or an affiliate or associate of an interested stockholder.

In general, an “interested stockholder” is a person who, together with affiliates and associates, owns (or within two years, did own) 10% or more of a corporation’s voting stock. The statute could prohibit or delay mergers or other takeover or change in control attempts and, accordingly, may discourage attempts to acquire our company even though such a transaction may offer our stockholders the opportunity to sell their stock at a price above the prevailing market price.

The NASDAQ Capital Market Listing

Our Common Stock is listed on the NASDAQ Capital Market under the symbol “DTST”. Our warrants are listed on NASDAQ Capital Market under the symbol “DTSTW”.

Transfer Agent and Warrant Agent

The transfer agent and registrar for our Common Stock and Warrant Agent is VStock Transfer LLC with an address 18 Lafayette Place, Woodmere, New York 11598, (212) 828-843.

MATERIAL U.S. FEDERAL INCOME TAX CONSIDERATIONS TO NON-U.S. HOLDERS

The following discussion is a summary of the material U.S. federal income tax considerations applicable to Non-U.S. Holders (as defined below) with respect to their acquisition, ownership and disposition of shares of our Common Stock underlying the Units issued pursuant to this Offering. This summary does not provide a complete analysis of all potential U.S. federal income tax considerations relating thereto. The information provided below is based upon provisions of the U.S. Internal Revenue Code of 1986, as amended (the “*Code*”), Treasury regulations promulgated thereunder, administrative rulings, and judicial decisions currently in effect. These authorities may change at any time, possibly retroactively, or the Internal Revenue Service (the “*IRS*”) might interpret the existing authorities differently. In either case, the tax considerations of owning or disposing of our Common Stock could differ from those described below. As a result, we cannot assure you that the tax consequences described in this discussion will not be challenged by the IRS or will be sustained by a court if challenged by the IRS.

This summary does not address the tax considerations arising under the laws of any non-U.S., state or local jurisdiction, or under U.S. federal gift and estate tax laws, except to the limited extent provided below. In addition, this discussion does not address tax considerations applicable to an investor’s particular circumstances or to investors that may be subject to special tax rules, including, without limitation:

- banks, insurance companies or other financial institutions;
- partnerships or entities or arrangements treated as partnerships or other pass-through entities for U.S. federal tax purposes (or investors in such entities);
- corporations that accumulate earnings to avoid U.S. federal income tax;
- persons subject to the alternative minimum tax or Medicare contribution tax on net investment income;
- tax-exempt organizations or tax-qualified retirement plans;
- controlled foreign corporations or passive foreign investment companies;
- dealers in securities or currencies;
- traders in securities that elect to use a mark-to-market method of accounting for their securities holdings;
- persons that own, or are deemed to own, more than 5% of our capital stock (except to the extent specifically set forth below);
- certain former citizens or former long-term residents of the United States;
- persons who hold our Common Stock as a position in a hedging transaction, “straddle,” “conversion transaction” or other risk reduction transaction;
- persons who do not hold our Common Stock as a capital asset within the meaning of Section 1221 of the Code (generally, for investment purposes); or
- persons deemed to sell our Common Stock under the constructive sale provisions of the Code.

In addition, if a partnership or entity classified as a partnership for U.S. federal income tax purposes is a beneficial owner of our Common Stock, the tax treatment of a partner in the partnership or an owner of the entity will depend upon the status of the partner or other owner and the activities of the partnership or other entity. Accordingly, this summary does not address tax considerations applicable to partnerships that hold our Common Stock, and partners in such partnerships should consult their tax advisors.

INVESTORS CONSIDERING THE PURCHASE OF OUR COMMON STOCK SHOULD CONSULT THEIR OWN TAX ADVISORS REGARDING THE APPLICATION OF THE U.S. FEDERAL INCOME AND ESTATE TAX LAWS TO THEIR PARTICULAR SITUATIONS AND THE CONSEQUENCES OF FOREIGN, STATE OR LOCAL LAWS, AND TAX TREATIES.

Non-U.S. Holder Defined

For purposes of this summary, a Non-U.S. Holder is any beneficial owner of our Common Stock, other than a partnership, that is not:

- an individual who is a citizen or resident of the United States;
- a corporation, or other entity taxable as a corporation for U.S. federal income tax purposes, created or organized under the laws of the United States, any state therein or the District of Columbia;

- a trust if it (i) is subject to the primary supervision of a U.S. court and one or more U.S. persons have authority to control all substantial decisions of the trust or (ii) has a valid election in effect under applicable U.S. Treasury regulations to be treated as a U.S. person; or
- an estate whose income is subject to U.S. income tax regardless of source.

If you are a non-U.S. citizen that is an individual, you may, in many cases, be treated as a resident alien, as opposed to a nonresident alien, by virtue of being present in the United States for at least 31 days in the calendar year and for an aggregate of at least 183 days during a three-year period ending in the current calendar year. For these purposes, all the days present in the current year, one-third of the days present in the immediately preceding year, and one-sixth of the days present in the second preceding year are counted. Resident aliens are subject to U.S. federal income tax as if they were U.S. citizens. Such an individual is urged to consult his or her own tax advisor regarding the U.S. federal income tax consequences of the ownership or disposition of our Common Stock.

Dividends

As discussed under “Dividend Policy” above, we do not currently expect to declare or pay dividends to our Common Stockholders in the foreseeable future. In the event that we do make distributions of cash or other property on our Common Stock, those distributions will constitute dividends for U.S. federal income tax purposes to the extent paid from our current or accumulated earnings and profits, as determined under U.S. federal income tax principles. Amounts not treated as dividends for U.S. federal income tax purposes will constitute a return of capital, which will first reduce a Non-U.S. Holder’s adjusted tax basis in shares of our Common Stock, but not below zero. Any remaining excess will be treated as gain realized on the sale or other disposition of our Common Stock and will be treated as described below under “Gain on Sale or Other Taxable Disposition of Our Common Stock.”

Subject to the discussion below on effectively connected income, dividends paid to a Non-U.S. Holder of our Common Stock that is not effectively connected with the Non-U.S. Holder’s conduct of a trade or business in the United States will generally be subject to U.S. federal withholding tax at a rate of 30% of the gross amount of the dividends (or such lower rate specified by an applicable income tax treaty, provided the Non-U.S. Holder furnishes a properly executed IRS Form W-8BEN or W-8BEN-E (or other applicable or successor form) certifying the Non-U.S. Holder’s qualification for the lower treaty rate). A Non-U.S. Holder that does not timely furnish the required documentation, but that qualifies for a reduced treaty rate, may obtain a refund of any excess amounts withheld by timely filing an appropriate claim for refund with the IRS. Non-U.S. Holders should consult their tax advisors regarding their entitlement to benefits under any applicable income tax treaty. If the Non-U.S. Holder holds the stock through a financial institution or other agent acting on the holder’s behalf, the holder will be required to provide appropriate documentation to the agent. The holder’s agent will then be required to provide certification to us or our paying agent, either directly or through other intermediaries. If you are eligible for a reduced rate of U.S. federal withholding tax under an income tax treaty, you may obtain a refund or credit of any excess amounts withheld by filing an appropriate claim for a refund with the IRS in a timely manner.

If dividends paid to a Non-U.S. Holder are effectively connected with the Non-U.S. Holder’s conduct of a trade or business in the United States (and, if required by an applicable income tax treaty, are attributable to a permanent establishment or fixed base maintained by the Non-U.S. Holder in the United States), the Non-U.S. Holder will be exempt from the U.S. federal withholding tax described above. To claim the exemption, the Non-U.S. Holder must furnish to the applicable withholding agent a valid IRS Form W-8ECI, certifying that the dividends are effectively connected with the Non-U.S. Holder’s conduct of a trade or business within the United States.

Any such effectively connected dividends will be subject to U.S. federal income tax on a net income basis at the regular rates. A Non-U.S. Holder that is a corporation also may be subject to a branch profits tax at a rate of 30% (or such lower rate specified by an applicable income tax treaty) on such effectively connected dividends, as adjusted for certain items. Non-U.S. Holders should consult their tax advisors regarding any applicable tax treaties that may provide for different rules.

Gain on Sale or Other Taxable Disposition of Our Common Stock

Subject to the discussion below under “Information Reporting and Backup Withholding” and “Foreign Account Tax Compliance Act,” a Non-U.S. Holder will generally not be subject to U.S. federal income tax on any gain realized upon the sale, exchange, or other taxable disposition of our Common Stock unless:

- the gain (i) is effectively connected with the conduct by the Non-U.S. Holder of a U.S. trade or business, and (ii) if required by an applicable income tax treaty between the United States and the Non-U.S. holder’s country of residence, is attributable to a permanent establishment maintained by the Non-U.S. Holder in the United States (in which the special rules described below apply);
- the Non-U.S. Holder is an individual who is present in the United States for 183 days or more in the taxable year of the sale, exchange or other disposition of our Common Stock, and certain other requirements are met (in which case the gain would be subject to a flat 30% tax, or such reduced rate as may be specified by an applicable income tax treaty, which may be offset by certain U.S. source capital losses, even though the individual is not considered a resident of the United States); or
- the rules of the Foreign Investment in Real Property Tax Act (“*FIRPTA*”) treat the stock as a “U.S. real property interest” as defined in Section 897 of the Code.

The *FIRPTA* rules may apply to a sale, exchange or other disposition of our Common Stock if we are, or were within the shorter of the five-year period preceding the disposition and the Non-U.S. Holder’s holding period, a “U.S. real property holding corporation” (a “*USRPHC*”), as defined in Section 897 of the Code. In general, we would be a *USRPHC* if interests in U.S. real estate comprised at least half of the value of our business assets. We do not believe that we are a *USRPHC* and we do not anticipate becoming one in the future. Even if we become a *USRPHC*, as long as our Common Stock is regularly traded on an established securities market, such Common Stock will be treated as U.S. real property interests only if beneficially owned by a Non-U.S. Holder that actually or constructively owned more than 5% of our outstanding Common Stock at sometime within the five-year period preceding the disposition.

If any gain from the sale, exchange or other disposition of our Common Stock (1) is effectively connected with a U.S. trade or business conducted by a Non-U.S. Holder, and (2) if required by an applicable income tax treaty between the United States and the Non-U.S. Holder’s country of residence, is attributable to a permanent establishment maintained by such Non-U.S. Holder in the United States, then the gain generally will be subject to U.S. federal income tax at the same graduated rates applicable to U.S. persons, net of certain deductions and credits. If the Non-U.S. Holder is a corporation, under certain circumstances, that portion of its earnings and profits that is effectively connected with its U.S. trade or business, subject to certain adjustments, generally would be subject also to a “branch profits tax.” The branch profits tax rate is 30% unless reduced by applicable income tax treaty.

Non-U.S. Holders should consult their tax advisors regarding potentially applicable income tax treaties that may provide for different rules.

U.S. Federal Estate Tax

The estates of nonresident alien individuals generally are subject to U.S. federal estate tax on property with a U.S. situs. Because we are a U.S. corporation, our Common Stock will be U.S. situs property and therefore will be included in the taxable estate of a nonresident alien decedent, unless an applicable estate tax treaty between the United States

and the decedent's country of residence provides otherwise.

Informational Reporting and Backup Withholding

The Code and the Treasury regulations require those who make specified payments to report the payments to the IRS. Among the specified payments are dividends and proceeds paid by brokers to their customers. The required information returns enable the IRS to determine whether the recipient properly included the payments in income. This reporting regime is reinforced by "backup withholding" rules. These rules require the payors to withhold tax from payments subject to information reporting if the recipient fails to cooperate with the reporting regime by failing to provide his taxpayer identification number to the payor, furnishing an incorrect identification number, or failing to report interest or dividends on his returns. The backup withholding tax rate is currently 24%. The backup withholding rules do not apply to payments to corporations, whether domestic or foreign, provided they establish such exemption.

Payments to Non-U.S. Holders of dividends on our Common Stock generally will not be subject to backup withholding, and payments of proceeds made to Non-U.S. Holders by a broker upon a sale of Common Stock will not be subject to information reporting or backup withholding, in each case so long as the Non-U.S. Holder certifies its status as a Non-U.S. Holder (and we or our paying agent do not have actual knowledge or reason to know the holder is a U.S. person or that the conditions of any other exemption are not, in fact, satisfied) or otherwise establishes an exemption. The certification procedures to claim treaty benefits described under "Distributions" will generally satisfy the certification requirements necessary to avoid the backup withholding tax. We must report annually to the IRS any dividends paid to each Non-U.S. Holder and the tax withheld, if any, with respect to these dividends. Copies of these reports may be made available to tax authorities in the country where the Non-U.S. Holder resides. However, under the Treasury regulations, information returns are required to be filed with the IRS in connection with any dividends on our Common Stock paid to the Non-U.S. Holder, regardless of whether any tax was actually withheld. In addition, proceeds of the sale or other taxable disposition of our Common Stock within the United States or conducted through certain U.S.-related brokers generally will not be subject to backup withholding or information reporting, if the beneficial owner certifies, under penalties of perjury, among other things, its status as a Non-U.S. Holder (and the broker does not have actual knowledge or reason to know the holder is a U.S. person) or otherwise establishes an exemption. The payment of proceeds from the disposition of shares of our Common Stock by a Non-U.S. Holder made to or through a non-U.S. office of a broker generally will not be subject to backup withholding and information reporting, except as noted below. Information reporting, but not backup withholding, will apply to a payment of proceeds, even if that payment is made outside of the United States, if you sell our Common Stock through a non-U.S. office of a broker that is:

- a U.S. person (including a foreign branch or office of such person);
- a "controlled foreign corporation" for U.S. federal income tax purposes;
- a foreign person 50% or more of whose gross income from certain periods is effectively connected with a U.S. trade or business; or
- a foreign partnership if at any time during its tax year (a) one or more of its partners are U.S. persons who, in the aggregate, hold more than 50% of the income or capital interests of the partnership or (b) the foreign partnership is engaged in a U.S. trade or business, unless the broker has documentary evidence that the beneficial owner is a Non-U.S. Holder and certain other conditions are satisfied, or the beneficial owner otherwise establishes an exemption (and the broker has no actual knowledge or reason to know to the contrary).

Backup withholding is not an additional tax. Any amounts withheld under the backup withholding rules may be allowed as a refund or a credit against a Non-U.S. Holder's U.S. federal income tax liability, provided the required information is timely furnished to the IRS.

Foreign Account Tax Compliance Act ("FATCA")

A U.S. federal withholding tax of 30% may apply to dividends paid to a foreign financial institution (as specifically defined by the applicable rules) unless such institution enters into an agreement with the U.S. government to withhold on certain payments and to collect and provide to the U.S. tax authorities substantial information regarding U.S. account holders of such institution (which includes certain equity holders of such institution, as well as certain account holders that are foreign entities with U.S. owners). This U.S. federal withholding tax of 30% will also apply to dividends paid to a non-financial foreign entity unless such entity provides the withholding agent with either a certification that it does not have any substantial direct or indirect U.S. owners or provides information regarding direct and indirect U.S. owners of the entity. The 30% federal withholding tax described in this paragraph cannot be reduced under an income tax treaty with the United States or by providing an IRS Form W-8BEN or similar documentation. The withholding tax described above will not apply if the foreign financial institution or non-financial foreign entity otherwise qualifies for an exemption from the rules and certifies as such on a Form W-8BEN-E (or any successor of such form). Under certain circumstances, a Non-U.S. Holder might be eligible for refunds or credits of such taxes. Holders should consult with their own tax advisors regarding the possible implications of the withholding described herein.

While withholding under FATCA would have applied also to payments of gross proceeds from the sale or other disposition of our Common Stock on or after January 1, 2019, proposed Treasury Regulations eliminate FATCA withholding on payments of gross proceeds entirely. Taxpayers generally may rely on these proposed Treasury Regulations until final Treasury Regulations are issued.

THE PRECEDING DISCUSSION OF U.S. FEDERAL TAX CONSIDERATIONS IS FOR GENERAL INFORMATION ONLY. IT IS NOT TAX ADVICE. EACH PROSPECTIVE INVESTOR SHOULD CONSULT ITS OWN TAX ADVISOR REGARDING THE PARTICULAR U.S. FEDERAL, STATE, LOCAL, AND FOREIGN TAX CONSEQUENCES OF PURCHASING, HOLDING AND DISPOSING OF OUR COMMON STOCK, INCLUDING THE CONSEQUENCES OF ANY PROPOSED CHANGE IN APPLICABLE LAWS.

LEGAL MATTERS

The validity of the shares of Common Stock offered hereby and certain other legal matters will be passed upon for us by Blank Rome LLP, New York, New York 10020.

EXPERTS

Our condensed consolidated balance sheets as of December 31, 2024, and the related consolidated statements of operations, stockholders' equity (deficit), and cash flows for each of those two years have been audited by Rosenberg Rich Baker Berman P.A., an independent registered public accounting firm, as set forth in its report incorporated by reference and are included in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to incorporate by reference into this prospectus the information contained in other documents we file with the SEC, which means that we can disclose important information to you by referring you to those documents. Any statement contained in any document incorporated or deemed to be incorporated by reference in this prospectus shall be deemed to be modified or superseded, for purposes of this prospectus, to the extent that a statement contained in or omitted from this prospectus, or in any other subsequently filed document that also is or is deemed to be incorporated by reference in this prospectus, modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus. We incorporate by reference the documents listed below that have been filed by us and any future filings we make with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (other than current reports furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits filed on such form that are related to such items unless such Form 8-K expressly provides to the contrary) subsequent to (i) the date of the filing of the registration statement of which this prospectus forms a part and prior to effectiveness of the registration statement and (ii) the date of this prospectus and before the termination or completion of the offering of the securities covered by this prospectus. We incorporate by reference the documents listed below (other than any portions thereof, which under the Exchange Act, and applicable SEC rules, are not deemed “filed” under the Exchange Act (File No. 001-35384)):

- Our Annual Report on Form [10-K](#) and Form [10-K/A](#) for the fiscal year ended December 31, 2024, as filed with the SEC on March 31, 2025 and April 30, 2025;
- Our Current Report on Form [8-K](#), as filed with the SEC on April 7, 2025; and;
- The description of our Common Stock contained in our Registration Statement on Form 8-A, as filed with the SEC on May 10, 2021, as updated by Exhibit 4.10 to our Annual Report on Form 10-K for the fiscal year ended December 31, 2023 filed with the SEC on [March 28, 2024](#), together with any subsequent amendment or report filed with the SEC for the purpose of updating this description.

Upon written or oral request, we will provide without charge to each person, including any beneficial owner, to whom a copy of the prospectus is delivered a copy of the documents incorporated by reference in this prospectus (other than exhibits to such documents unless such exhibits are specifically incorporated by reference in this prospectus). You may request a copy of these filings, at no cost, by writing or telephoning us at the following address: Data Storage Corporation, 225 Broadhollow Road, Suite 307, Melville, New York 11747, Attention: Investor Relations, telephone: (212) 564-4922. You may also access these documents on our website at [www.dtst.com](#).

Information on our website, any subsection, page, or other subdivision of our website, or any website linked to by content on our website, is not part of this prospectus and you should not rely on that information unless that information is also in this prospectus or incorporated by reference in this prospectus.

WHERE YOU CAN FIND MORE INFORMATION

We have filed with the SEC a registration statement on Form S-1 under the Securities Act, with respect to the securities being offered by this prospectus. This prospectus does not contain all of the information in the registration statement of which it forms a part and its exhibits. For further information with respect to us and the securities offered by this prospectus, we refer you to the registration statement and its exhibits. Statements contained in this prospectus as to the contents of any contract or any other document referred to are not necessarily complete, and in each instance, we refer you to the copy of the contract or other document filed as an exhibit to the registration statement. Each of these statements is qualified in all respects by this reference. All filings we make with the SEC are available on the SEC’s web site at [www.sec.gov](#). You may also request a copy of these filings, at no cost, by writing us at 225 Broadhollow Road, Suite 307, Melville, New York 11747 or contacting us at (212) 564-4922.

We are subject to the periodic reporting requirements of the Exchange Act, and we will file periodic reports, proxy statements and other information with the SEC. These periodic reports, proxy statements and other information are available on the website of the SEC referred to above. We maintain a website at [www.dtst.com](#). You may access our annual reports on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and amendments to those reports filed or furnished pursuant to Section 13(a) or 15(d) of the Exchange Act with the SEC free of charge or at our website as soon as reasonably practicable after such material is electronically filed with, or furnished to, the SEC. We have not incorporated by reference into this prospectus, or the registration statement to which this prospectus forms a part, the information contained in, or that can be accessed through, our website, and you should not consider it to be a part of this prospectus, or the registration statement.

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1,031,250 Shares of Common Stock



PROSPECTUS

May 13, 2025

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 13. Other Expenses of Issuance and Distribution

The following table sets forth an itemization of the various expenses incurred in connection with the issuance and distribution of the securities being registered. All of the amounts shown are estimated except the SEC Registration Fee.

	Approximate Amount ⁽¹⁾
SEC Registration Fee	\$ 450.04
Accounting fees	\$ 7,500
Legal fees and expenses	\$ 30,000
Miscellaneous	\$ 5,000
Total	\$ 42,950.04

(1) The amount of fees and expenses listed in this Item 13 were in connection with the Registration Statement on Form S-1 (File No. 333-259049), initially filed by Data Storage Corporation on August 25, 2021, subsequently amended by Post-Effective Amendment No. 1 to Form S-1, initially filed with the SEC on June 12, 2024 and declared effective by the SEC on June 20, 2024.

Item 14. Indemnification of Directors and Officers

Nevada law provides that a Nevada corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative, other than an action by or in the right of the corporation (i.e., a “non-derivative proceeding”), by reason of the fact that he or she is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses, including attorneys’ fees, judgments, fines and amounts paid in settlement actually and reasonably incurred by him in connection with the action, suit or proceeding if he or she:

- Is not liable under Section 78.138 of the Nevada Revised Statutes for breach of his or her fiduciary duties to the corporation; or
- Acted in good faith and in a manner which he or she reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe his or her conduct was unlawful.

In addition, a Nevada corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor (i.e., a “derivative proceeding”), by reason of the fact that he or she is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses, including amounts paid in settlement and attorneys’ fees actually and reasonably incurred by him or her in connection with the defense or settlement of the action or suit if he:

- Is not liable under Section 78.138 of the Nevada Revised Statutes for breach of his or her fiduciary duties to the corporation; or
- Acted in good faith and in a manner which he or she reasonably believed to be in or not opposed to the best interests of the corporation.

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Under Nevada law, indemnification may not be made for any claim, issue or matter as to which such a person has been adjudged by a court of competent jurisdiction, after exhaustion of all appeals therefrom, to be liable to the corporation or for amounts paid in settlement to the corporation, unless and only to the extent that the court in which the action or suit was brought or other court of competent jurisdiction determines upon application that in view of all the circumstances of the case, the person is fairly and reasonably entitled to indemnity for such expenses as the court deems proper.

To the extent that a director, officer, employee or agent of a corporation has been successful on the merits or otherwise in defense of any non-derivative proceeding or any derivative proceeding, or in defense of any claim, issue or matter therein, the corporation is obligated to indemnify him or her against expenses, including attorneys’ fees, actually and reasonably incurred in connection with the defense.

Further, Nevada law permits a Nevada corporation to purchase and maintain insurance or to make other financial arrangements on behalf of any person who is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise for any liability asserted against him or her and liability and expenses incurred by him or her in his or her capacity as a director, officer, employee or agent, or arising out of his or her status as such, whether or not the corporation has the authority to indemnify him or her against such liability and expenses.

Under our articles of incorporation, as amended, the liability of our officers and directors will be eliminated or limited to the fullest extent permitted by Nevada law. If Nevada law is amended to further eliminate or limit or authorize further corporate action to further eliminate or limit, the liability of officers and directors, the liability of officers and directors shall be eliminated or limited to the fullest extent permitted by Nevada law then in effect.

The Company has entered into indemnification agreements with its officers and directors pursuant to which the Company agrees to indemnify said officer or director, to the fullest extent permitted by Nevada law, against any and all losses resulting from any claims relating to the fact that he or she is or was a director, officer, employee, or agent of the Company. The indemnitee will be fully indemnified for any claims (i) to the extent that he or she was successful on the merits in defense of said claims in a court of law; or (ii) to the extent that he or she is serving as a witness and not as a party, in connection with said claim. If items (i) and (ii) do not apply, the Company will indemnify its directors and officers for any losses resulting from any claims, so long as they have complied with the applicable standard of conduct under Nevada law as determined by (i) a majority vote of disinterested directors; or (ii) the written opinion of independent counsel, as applicable. The indemnification agreement also provides the officer or director with the right to request that we advance their expenses prior to final disposition of the claim so long as they execute an undertaking to repay all advances in the event that a Nevada court ultimately determines that they were not entitled indemnification. The officer or director is required under the indemnification agreement to give us notice in writing of a claim as soon as practicable and we are not responsible to provide indemnification if we were not given a reasonable and timely opportunity to participate in the defense of the claim at our own expense.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Company pursuant to the foregoing provisions, or otherwise, we have been advised that in the opinion of the SEC this indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

Item 15. Recent Sales of Unregistered Securities

In the three (3) years preceding the filing of this registration statement, we have issued the following securities that were not registered under the Securities Act. None of these transactions involved any underwriters, underwriting discounts or commissions, except as specified below, or any public offering, and, unless otherwise indicated below, the Company believes that each transaction was exempt from the registration requirements of the Securities Act by virtue of Section 3(a)(9) and/or Section 4(a)(2) thereof and/or Rule 506 of Regulation D promulgated thereunder. All recipients had adequate access, though their relationships with the Company, to information about the Company.

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During the six months ended June 30, 2022, employees exercised 3,334 options, into 3,334 shares of Common Stock. The Company received \$6,934 for the exercise of these options.

During the six months ended June 30, 2021, employees exercised 6,592 options via cashless exercise, into 5,060 shares of Common Stock.

On July 21, 2021, the Company issued warrants to purchase an aggregate of 1,031,250 shares of the Common Stock in a private placement transaction (the “Private Placement”), which warrants are immediately exercisable, have an exercise price of \$6.15 per share, and will expire on the five-year and six-month anniversary of the issuance date. Maxim Group LLC acted as the sole placement agent (the “Placement Agent”) for the Company in connection with the private placement (together with a registered direct offering priced at-the-market under Nasdaq rules for the sale of 1,375,000 shares of Common Stock) (the “Offering”). Pursuant to that certain Placement Agency Agreement, dated as of July 19, 2021, between the Company and the Placement Agent, the Placement Agent received a cash fee of 6.5% of the gross proceeds of the Offering and the reimbursement for certain out-of-pocket expenses up to \$50,000.

Pursuant to Section 4(c) of the Certificate of Designations, Preferences and Rights of the Company's Series A Preferred Stock, all 1,401,786 outstanding shares of the Company's Series A Preferred Stock were automatically converted into 43,806 shares of the Company's Common Stock in connection with, and as a result of, the merger of the Company with Data Storage FL, LLC.

Item 16. Exhibits and Financial Statement Schedules

(a) See the Exhibit Index on the page immediately preceding the signature page hereto for a list of exhibits filed as part of this post-effective amendment to registration statement on Form S-1, as amended, which Exhibit Index is incorporated herein by reference.

(b) No financial statement schedules are provided because the information called for is not required or is shown either in the financial statements or the notes thereto.

Item 17. Undertakings

(a) The undersigned registrant hereby undertakes:

- (1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
 - (i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933, as amended (the "Securities Act");
 - (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;
 - (iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement; *provided, however*, that paragraphs (i), (ii) and (iii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the Registrant pursuant to Section 13 or Section 15(d) of the Exchange Act that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

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- (2) That, for the purpose of determining any liability under the Securities Act, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
 - (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
 - (4) That, for the purpose of determining liability under the Securities Act to any purchaser, each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.
 - (5) That, for the purpose of determining liability of the registrant under the Securities Act to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:
 - (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
 - (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
 - (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
 - (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.
 - (6) That, for purposes of determining any liability under the Securities Act, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Exchange Act (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Exchange Act) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (b) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

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Exhibit No.	Description
3.1	<u>Articles of Incorporation (incorporated by reference to Exhibit 3.1 to the Registrant's Registration Statement on Form SB-2 (File No. 333-148167) filed on December 19, 2007).</u>
3.2	<u>Certificate of Amendment to Articles of Incorporation (incorporated by reference to Exhibit 3.1 to Form 8-K (File No. 333-148167) filed on October 24, 2008).</u>
3.3	<u>Certificate of Amendment to Articles of Incorporation (incorporated by reference to Exhibit 3.1 on Form 8-K (File No. 333-148167) filed on January 9, 2009).</u>
3.4	<u>Bylaws (incorporated by reference to Exhibit 3.2 to the Registrant's Registration Statement on Form SB-2 (File No. 333-148167) filed on December 19, 2007).</u>
3.5	<u>Amended Bylaws (incorporated by reference to Exhibit 3.2 to Form 8-K (File No. 333-148167) filed on October 24, 2008).</u>
3.6	<u>Form of Certificate of Amendment to the Articles of Incorporation (incorporated by reference to Appendix A to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
3.7	<u>Form of Certificate of Correction to the Certificate of Amendment to the Articles of Incorporation dated October 7, 2008 (incorporated by reference to Appendix C to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
3.8	<u>Form of Certificate of Validation and Ratification of the Certificate of Correction to the Certificate of Amendment to the Articles of Incorporation dated October 7, 2008 (incorporated by reference to Appendix C to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
3.9	<u>Form of Certificate of Correction to the Certificate of Amendment to the Articles of Incorporation dated October 16, 2008 (incorporated by reference to Appendix D to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
3.10	<u>Form of Certificate of Validation and Ratification of the Certificate of Correction to the Certificate of Amendment to the Articles of Incorporation dated October 16, 2008 (incorporated by reference to Appendix D to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
3.11	<u>Form of Certificate of Correction to the Certificate of Amendment to the Articles of Incorporation dated January 6, 2009 (incorporated by reference to Appendix E to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
3.12	<u>Form of Certificate of Validation and Ratification of the Certificate of Correction to the Certificate of Amendment to the Articles of Incorporation dated January 6, 2009 (incorporated by reference to Appendix E to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
3.13	<u>Form of Certificate of Correction to the Certificate of Amendment to the Articles of Incorporation dated June 24, 2009 (incorporated by reference to Appendix F to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
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3.14	<u>Form of Certificate of Validation and Ratification of the Certificate of Correction to the Certificate of Amendment to the Articles of Incorporation dated June 24, 2009 (incorporated by reference to Appendix F to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
3.15	<u>Certificate of Designations, Preferences and Rights of Series A Preferred Stock of Data Storage Corporation (incorporated by reference to Appendix F to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
3.16	<u>Amendment to Bylaws (incorporated by reference to Exhibit 3.1 to Form 8-K (File No. 001-35384) filed on May 6, 2024).</u>
4.1	<u>Share Exchange Agreement, dated October 20, 2008, by and among, Euro Trend Inc., Data Storage Corporation and the shareholders of Data Storage Corporation named on the signature page thereto (incorporated by reference to Exhibit 10.1 to Form 8-K/A (File No. 333-148167) filed on June 29, 2009).</u>
4.2#	<u>Data Storage Corporation 2010 Incentive Award Plan (incorporated by reference to Exhibit 10.1 on Form S-8/A (File No. 333-169042) filed on October 25, 2010).</u>
4.3	<u>Amended and Restated Data Storage Corporation 2010 Incentive Award Plan (incorporated by reference to Exhibit 10.1 to Form 8-K (File No. 001-35384) filed on April 26, 2012).</u>
4.4	<u>Data Storage Corporation 2021 Stock Incentive Plan (incorporated by reference to Appendix B to the Information Statement on Schedule 14C (File No. 001-35384) filed with the Securities and Exchange Commission on March 8, 2021).</u>
4.5	<u>Representative's Warrant dated May 18, 2021 (incorporated by reference to Exhibit 4.1 to Form 8-K (File No. 001-35384) filed on May 18, 2021).</u>
4.6	<u>Form of Common Stock Warrant (incorporated by reference to Exhibit 4.2 to Form 8-K (File No. 001-35384) filed on May 18, 2021).</u>
4.7	<u>Warrant Agency Agreement, dated May 18, 2021, by and between the Company and VStock Transfer LLC (incorporated by reference to Exhibit 4.3 to Form 8-K (File No. 001-35384) filed on May 18, 2021).</u>
4.8	<u>Form of Warrant (incorporated by reference to Exhibit 4.1 to Form 8-K (File No. 001-35384) filed on July 20, 2021).</u>
5.1**	<u>Opinion of Lucosky Brookman LLP (incorporated by reference to Exhibit 5.1 to Registration Statement on Form S-1 (File No. 333-259049 filed on August 25, 2021).</u>
10.1	<u>Asset Purchase Agreement by and between ABC Services Inc., and Data Storage Corporation as of October 25, 2016 (incorporated by reference to Exhibit 10.1 to Form 8K (File No. 001-35384) filed on October 31, 2016).</u>
10.2	<u>Asset Purchase Agreement by and between ABC Services II Inc., and Data Storage Corporation as of October 25, 2016 (incorporated by reference to Exhibit 10.2 to Form 8K (File No. 001-35384) filed on October 31, 2016).</u>

- 10.3 [Form of Stockholders Agreement by and between Data Storage Corporation, Nexxis Inc., and John Camello dated November 13, 2017 \(incorporated by reference to Exhibit 10.23 to Form 10Q \(File No. 001-35384\) filed November 19, 2018\).](#)
- 10.4 [Form of Employment Agreement between Data Storage Corporation, Nexxis Inc., and John Camello dated November 13, 2017 \(incorporated by reference to Exhibit 10.23 to Form 10-Q \(File No. 001-35384\) filed November 19, 2018\).](#)

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- 10.5 [Buyout Lease Agreement between Data Storage Corporation and Systems Trading, Inc. dated March 15, 2018 \(incorporated by reference to Exhibit 10.6 to Form 10-K \(File No. 001-35384\) filed March 31, 2021\).](#)
- 10.6 [FMV Lease Agreement between Data Storage Corporation and Systems Trading, Inc. dated September 14, 2018 \(incorporated by reference to Exhibit 10.7 to Form 10-K \(File No. 001-35384\) filed March 31, 2021\).](#)
- 10.7 [Buyout Lease Agreement DSC003 between Data Storage Corporation and Systems Trading, Inc. dated December 18, 2018 \(incorporated by reference to Exhibit 10.8 to Form 10-K \(File No. 001-35384\) filed March 31, 2021\).](#)
- 10.8 [Buyout Lease Agreement DSC004 between Data Storage Corporation and Systems Trading, Inc. dated December 18, 2018 \(incorporated by reference to Exhibit 10.9 to Form 10-K \(File No. 001-35384\) filed March 31, 2021\).](#)
- 10.9 [Addendum 1 to Lease DSC003 between Data Storage Corporation and Systems Trading, Inc. dated March 20, 2019 \(incorporated by reference to Exhibit 10.10 to Form 10-K \(File No. 001-35384\) filed March 31, 2021\).](#)
- 10.10 [Addendum 1 to Lease DSC004 between Data Storage Corporation and Systems Trading, Inc. dated March 20, 2019 \(incorporated by reference to Exhibit 10.11 to Form 10-K \(File No. 001-35384\) filed March 31, 2021\).](#)
- 10.11 [Buyout Lease Agreement DSC006 between Data Storage Corporation and Systems Trading, Inc. dated November 12, 2019 \(incorporated by reference to Exhibit 10.12 to Form 10-K \(File No. 001-35384\) filed March 31, 2021\).](#)
- 10.12 [Agreement and Plan of Merger by and between Data Storage Corporation and Flagship Solutions, LLC dated February 4, 2021 \(incorporated by reference to Exhibit 10.1 to Form 8-K \(File No. 001-35384\) filed on February 10, 2021\).](#)
- 10.13 [Amendment, dated February 12, 2021, to the Agreement and Plan of Merger by and between Data Storage Corporation, Data Storage FL, LLC, Flagship Solutions, LLC, and the owners of Equity Interests \(as defined therein\) dated February 4, 2021 \(incorporated by reference to Exhibit 10.2 to the Current Report on Form 8-K \(File No. 001-35384\) filed on February 16, 2021\).](#)
- 10.14 [Buyout Lease Agreement DSC007 between Data Storage Corporation and Systems Trading, Inc. dated March 4, 2021 \(incorporated by reference to Exhibit 10.15 to Form 10-K \(File No. 001-35384\) filed March 31, 2021\).](#)
- 10.15 [Form of Securities Purchase Agreement dated July 19, 2021 between Data Storage Corporation and certain purchasers \(incorporated by reference to Exhibit 10.1 to Form 8-K \(File No. 001-35384\) filed on July 20, 2021\).](#)
- 10.16# [Form of Employment Agreement between Data Storage Corporation and Charles M. Piluso dated March 28, 2023 \(incorporated by reference to Exhibit 10.1 to Form 8-K \(File No. 001-35384\) filed March 31, 2023\).](#)
- 10.17# [Form of Employment Agreement between Data Storage Corporation and Chris H. Panagiotakos dated March 28, 2023 \(incorporated by reference to Exhibit 10.2 to Form 8-K \(File No. 001-35384\) filed March 31, 2023\).](#)

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- 10.18 [Sublease between Sentinel Benefits Group, LLC and Sentinel Benefits Group, Inc. and Data Storage Corporation, dated as of January 17, 2024 \(incorporated by reference to Exhibit 10.1 to Form 8-K \(File No. 001-35384\) filed March 27, 2024\).](#)
- 10.19# [Employment Agreement Amendment between Data Storage Corporation and Charles M. Piluso \(incorporated by reference to Exhibit 10.20 to Annual Report on Form 10-K \(File No. 001-35384\) filed on April 1, 2024\).](#)
- 10.20# [Employment Agreement Amendment between Data Storage Corporation and Chris H. Panagiotakos \(incorporated by reference to Exhibit 10.21 to Annual Report on Form 10-K \(File No. 001-35384\) filed on April 1, 2024\).](#)
- 10.21# [Amendment No. 1 to the Data Storage Corporation 2021 Stock Incentive Plan, as amended and restated \(incorporated by reference to Exhibit 10.1 to Form 8-K \(File No. 001-35384\) filed June 24, 2024\).](#)
- 10.22 [Equity Distribution Agreement, dated July 18, 2024, by and between Data Storage Corporation and Maxim Group LLC \(Incorporated by reference to Exhibit 1.1 to Registration Statement on Form S-3 \(File No. 333-280881\) filed July 18, 2024\).](#)
- 21.1 [List of Subsidiaries of Data Storage Corporation \(incorporated by reference to Exhibit 21.1 to Annual Report on Form 10-K \(File No. 001-35384\) filed on March 31, 2025\).](#)
- 23.1* [Consent of Rosenberg Rich Baker Berman P.A., Independent Registered Accounting Firm](#)
- 23.2 [Consent of Lucosky Brookman LLP \(included in Exhibit 5.1\)](#)
- 24.1* [Power of Attorney – Signature Page \(included in signature page\)](#)
- 107** Calculation of Registration Fee table

* Filed herewith
** Previously Filed

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant has duly caused this Post-Effective Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized in the City of Melville, State of New York, on May 13, 2025.

DATA STORAGE CORPORATION

/s/ Charles M. Piluso

Charles M. Piluso

Chief Executive Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Charles M. Piluso, his true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him and in his name, place and stead, in any and all capacities, to sign any and all amendments to this report, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorney-in-fact and agent, or his substitutes or substitute, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, as amended, this Registration Statement has been signed by the following persons on behalf of the Registrant in the capacities and on the dates indicated.

Signature	Title	Date
<u>/s/ Charles M. Piluso</u> Charles M. Piluso	Chief Executive Officer and Director (Principal Executive Officer)	May 13, 2025
<u>/s/ Chris Panagiotakos</u> Chris Panagiotakos	Chief Financial Officer and Principal Financial Officer (Principal Financial Officer and Principal Accounting Officer)	May 13, 2025
<u>/s/ Harold Schwartz</u> Harold Schwartz	Director	May 13, 2025
<u>/s/ Thomas Kempster</u> Thomas Kempster	Director	May 13, 2025
<u>/s/ John Argen</u> John Argen	Director	May 13, 2025
<u>/s/ Lawrence Maglione, Jr.</u> Lawrence Maglione, Jr.	Director	May 13, 2025
<u>/s/ Matthew Grover</u> Matthew Grover	Director	May 13, 2025
<u>/s/ Todd Correll</u> Todd Correll	Director	May 13, 2025
<u>/s/ Clifford Stein</u> Clifford Stein	Director	May 13, 2025
<u>/s/ Nancy M. Stallone</u> Nancy M. Stallone	Director	May 13, 2025
<u>/s/ Uwayne A. Mitchell</u> Uwayne A. Mitchell	Director	May 13, 2025

CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in this Post-Effective Registration Statement on Form S-1 (Amendment No. 2) to our report dated March 31, 2025, relating to the financial statements of Data Storage Corporation, as of and for the years ended December 31, 2024 and 2023.

We also consent to the reference to us under the heading “Experts” in such Prospectus.

/s/ Rosenberg Rich Baker Berman, P.A.

www.rbb.com
Somerset, New Jersey

May 13, 2025
