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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**FORM S-8**  
**REGISTRATION STATEMENT**  
*UNDER*  
*THE SECURITIES ACT OF 1933*

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**DUOS TECHNOLOGIES GROUP, INC.**  
(Exact Name of Registrant as Specified in Its Charter)

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**Florida**  
(State or Other Jurisdiction of  
Incorporation or Organization)

**65-0493217**  
(I.R.S. Employer  
Identification No.)

**6622 Southpoint Drive South, Suite 310**  
**Jacksonville, FL 32216**  
**(904) 296-2807**  
(Address of Principal Executive Offices, Including Zip Code)

**2021 Equity Incentive Plan**  
(Full Title of the Plan)

**Adrian G. Goldfarb**  
**Chief Financial Officer**  
**Duos Technologies Group, Inc.**  
**6622 Southpoint Drive South, Suite 310**  
**Jacksonville, FL 32216**  
(Name and Address of Agent for Service)

**(904) 656-1616**  
(Telephone Number, Including Area Code, of Agent for Service)

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*Copies to:*

**J. Thomas Cookson, Esq.**  
**Shutts & Bowen LLP**  
**200 South Biscayne Boulevard, Suite 4100**  
**Miami, FL 33131**  
**(305) 358-6300**

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Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See definitions of "large accelerated filer", "accelerated filer", "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Securities Exchange Act of 1934:

Large accelerated filer ☐

Accelerated filer ☐

Non-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. ☐

Title of Securities to Be Registered	Amount to Be Registered (1)	Proposed Maximum Offering Price per Share (2)	Proposed Maximum Aggregate Offering Price (2)	Amount of Registration Fee
Common Stock issuable under the 2021 Equity Incentive Plan (par value \$0.001 per share)	1,000,000 shares	\$7.56	\$7,560,000	\$825

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the “Securities Act”), this Registration Statement also registers any additional shares of the Registrant’s common stock, par value \$0.001 per share (the “Common Stock”), as may become issuable under the Registrant’s 2021 Equity Incentive Plan (the “2021 Plan”) as a result of any stock split, stock dividend, recapitalization or similar event.
- (2) Estimated solely for the purpose of calculating the amount of the registration fee pursuant to Rule 457(h)(1) and Rule 457(c) under the Securities Act. The price per share and aggregate offering price are based upon the average of the high and low prices of the Registrant’s Common Stock on August 4, 2021, as reported on The Nasdaq Capital Market.

This Registration Statement shall become effective upon filing in accordance with Section 8(a) of the Securities Act and Rule 462 under the Securities Act.

## Part I INFORMATION REQUIRED IN THE SECTION 10(a) PROSPECTUS

(a) The documents constituting Part I of this registration statement on Form S-8 (this “Registration Statement”) will be delivered to participants in the 2021 Equity Incentive Plan (the “2021 Plan”) as specified by Rule 428(b)(1) under the Securities Act of 1933, as amended (the “Securities Act”). These documents and the documents incorporated by reference in this Registration Statement pursuant to Item 3 of Part II of this Registration Statement, taken together, constitute a prospectus that meets the requirements of Section 10(a) of the Securities Act.

(b) Upon written or oral request, Duos Technologies Group, Inc. (the “Company”) will provide, without charge, the documents incorporated by reference in Item 3 of Part II of this Registration Statement. The documents are incorporated by reference in the Section 10(a) prospectus. The Company will also provide, without charge, upon written or oral request, other documents required to be delivered to participants pursuant to Rule 428(b). Requests for the above-mentioned information should be directed to the address on the cover of this Registration Statement.

## Part II INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

### Item 3. Incorporation of Documents by Reference.

The following documents, which have been filed with the SEC pursuant to the Securities Act and the Securities Exchange Act of 1934, as amended (the “Exchange Act”), are hereby incorporated by reference in, and shall be deemed to be a part of, this Registration Statement (excluding any portions of such documents that have been “furnished” but not “filed” for purposes of the Exchange Act):

- The Company’s [Annual Report on Form 10-K](#) for the fiscal year ended December 31, 2020, filed March 30, 2021.
- The Company’s [Quarterly Report on Form 10-Q](#) for the quarter ended March 31, 2021, filed May 14, 2021.
- The Company’s Current Reports on Form 8-K filed [March 1, 2021](#), [March 25, 2021](#), [May 18, 2021](#) and [July 20, 2021](#).
- The description of the Company’s common stock contained in the Company’s Registration Statement on [Form 8-A](#) filed with the SEC on February 12, 2020, including any amendments or reports filed for the purpose of updating such description.

All documents, reports or definitive proxy or information statements subsequently filed by the Company pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act, subsequent to the date of this Registration Statement and prior to the filing of a post-effective amendment to this Registration Statement which indicates that all securities offered hereby have been sold or which deregisters all such securities then remaining unsold, shall be deemed to be incorporated by reference herein and to be a part hereof from the date of filing of such documents (excluding any portions of such documents that have been “furnished” but not “filed” for purposes of the Exchange Act).

Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein (or in any other subsequently filed document which also is incorporated or deemed to be incorporated by reference herein) 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 Registration Statement.

**Item 4. Description of Securities.**

Not Applicable.

**Item 5. Interests of Named Experts and Counsel.**

Not Applicable.

**Item 6. Indemnification of Directors and Officers.**

Florida law permits, under certain circumstances, the indemnification of any person with respect to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative, to which such person was or is a party or is threatened to be made a party, by reason of his or her being an officer, director, employee or agent of the corporation or is or was serving at the request of such corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against liability incurred in connection with such proceeding, including appeals thereof; provided, however, that the officer, director, employee or agent acted in good faith and in a manner that 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. The termination of any such third-party action by judgment, order, settlement, or conviction or upon a plea of nolo contendere or its equivalent does not, of itself, create a presumption that the person (i) did not act 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 or (ii) with respect to any criminal action or proceeding, had reasonable cause to believe that his or her conduct was unlawful. In the case of proceedings by or in the right of the corporation, Florida law permits indemnification of any person by reason of the fact that such person is or was a director, officer, employee or agent of the corporation or is or was serving at the request of such corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against liability incurred in connection with such proceeding, including appeals thereof; provided, however, that the officer, director, employee or agent acted in good faith and in a manner that he or she reasonably believed to be in, or not opposed to, the best interests of the corporation, except that no indemnification is made where such person is adjudged liable, unless a court of competent jurisdiction determines that, despite the adjudication of liability but in view of all circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which such court shall deem proper.

To the extent that such person is successful on the merits or otherwise in defending against any such proceeding, Florida law provides that he or she shall be indemnified against expenses actually and reasonably incurred by him or her in connection therewith.

Also, under Florida law, expenses incurred by an officer or director in defending a civil or criminal proceeding may be paid by the corporation in advance of the final disposition of such proceeding upon receipt of an undertaking by or on behalf of such director or officer to repay such amount if he or she is ultimately found not to be entitled to indemnification by the corporation pursuant to the applicable section. Expenses incurred by other employees and agents may be paid in advance upon such terms or conditions that the Board of Directors deems appropriate.

Our Amended and Restated Articles of Incorporation provide that we shall indemnify our officers and directors (and other employees and agents if approved in writing by the Board of Directors) to the fullest extent authorized or permitted by law, as it existed when the Amended and Restated Article of Incorporation were adopted or as it may thereafter be amended. Such right to indemnification shall continue as to a person who has ceased to be a director or officer (and, if applicable, other employee or agent) and shall inure to the benefit of his or her heirs, executors and personal and legal representatives; provided, however, that, except for proceedings to enforce rights to indemnification, we shall not be obligated to indemnify any such person (or his or her heirs, executors or personal or legal representatives) in connection with a proceeding (or part thereof) initiated by such person unless such proceeding (or part thereof) was authorized or consented to by our Board of Directors.

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The Amended and Restated Articles of Incorporation also provide that such right of indemnification shall be a contract right and shall include the right to be paid by us the expenses incurred in defending or otherwise participating in any proceeding in advance of its final disposition only upon our receipt of an undertaking, by or on behalf of such director or officer, to repay such amounts if it should be ultimately determined that he or she is not entitled to be indemnified by us as authorized by the Amended and Restated Articles of Incorporation.

The rights to indemnification and to the advance of expenses conferred in the Amended and Restated Articles of Incorporation are not exclusive of any other right which a person may have or hereafter acquire under the Amended and Restated Articles of Incorporation, the Bylaws, any statute, agreement, vote of shareholders or disinterested directors or otherwise.

Any repeal or modification of the applicable provisions of the Amended and Restated Articles of Incorporation shall not adversely affect any rights to indemnification and to the advancement of expenses as a director or officer existing at the time of such repeal or modification with respect to any acts or omissions occurring prior to such repeal or modification.

In addition to the authority granted to us by Florida law to indemnify our directors, certain other provisions of the Florida Business Corporation Act have the effect of further limiting the personal liability of our directors. Pursuant to Florida law, a director of a Florida corporation cannot be held personally liable for monetary damages to the corporation or any other person for any act or failure to act regarding corporate management or policy except in the case of certain qualifying breaches of the director's duties.

Insofar as indemnification for liabilities arising under the Securities Act of 1933, as amended, may be permitted to our directors and officers, or to persons controlling us, pursuant to our charter documents and Florida law, we have been informed that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act of 1933, as amended, and is therefore unenforceable.

## Item 7. Exemption from Registration Claimed.

Not Applicable.

## Item 8. Exhibits.

- 4.1 [Amendment to Amended and Restated Articles of Incorporation](#) (incorporated herein by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on July 13, 2015).
  - 4.2 [Amended and Restated Articles of Incorporation](#) (incorporated herein by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on April 7, 2015).
  - 4.3 [Amended and Restated By-Laws, as amended](#) (incorporated herein by reference to Exhibit 3.3 to the Company's Registration Statement on Form S-1/A (No. 333-256110) filed on May 28, 2021).
  - 4.4 [Articles of Amendment to Articles of Incorporation](#) (incorporated herein by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on April 28, 2017).
  - 4.5 [Articles of Amendment to Articles of Incorporation Designation of Series B Convertible Preferred Stock](#) (incorporated herein by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on November 29, 2017).
  - 4.6 [Certificate of Amendment to Articles of Incorporation](#) (incorporated herein by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on January 15, 2020).
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- 4.7 [Articles of Amendment to Articles of Incorporation Designation of Series C Convertible Preferred Stock](#) (incorporated herein by reference to Exhibit 3.1 to the Company's Current Report on Form 8-K filed on March 1, 2021).
- 5.1 [Opinion of Shutts & Bowen LLP, counsel to the Company.](#)
- 23.1 [Consent of Shutts & Bowen LLP](#) (included in Exhibit 5.1).
- 23.2 [Consent of Salberg & Company, P.A.](#)
- 24.1 [Power of Attorney](#) (included on the signature page of this Registration Statement).
- 99.1\* [Duos Technologies Group, Inc. 2021 Equity Incentive Plan](#) (incorporated by reference from Exhibit B to the Company's Proxy Statement on Schedule 14A filed on June 23, 2021).

\* Indicates management contract or compensatory plan or arrangement.

## Item 9. 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;
    - (ii) To reflect in the prospectus any facts or events arising after the effective date of this 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 this Registration Statement; and
    - (iii) To include any material information with respect to the plan of distribution not previously disclosed in this Registration Statement or any material change to such information in this Registration Statement; provided, however, that paragraphs (a)(1)(i) and (a)(1)(ii) of this Item 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 SEC by the registrant pursuant to Section 13 or 15(d) of the Exchange Act that are incorporated by reference in this Registration Statement.
  - (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.

- (b) The undersigned registrant hereby undertakes 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 15(d) of the Exchange Act, that is incorporated by reference in this 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.

- (c) 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 SEC such indemnification is against public policy as expressed in the Securities 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 Securities Act and will be governed by the final adjudication of such issue.

#### SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Jacksonville, State of Florida, on August 5, 2021.

#### DUOS TECHNOLOGIES GROUP, INC.

By: /s/ Charles P. Ferry  
Charles P. Ferry  
Chief Executive Officer

#### POWER OF ATTORNEY

**KNOW ALL PERSONS BY THESE PRESENTS**, that each person whose signature appears below constitutes and appoints CHARLES P. FERRY his or her true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement, 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, and each of them, 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 or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or their 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 in the capacities and on the date indicated.

Signature	Title	Date
<u>/s/ Charles P. Ferry</u> CHARLES P. FERRY	Chief Executive Officer, Director (Principal Executive Officer)	August 5, 2021
<u>/s/ Adrian Goldfarb</u> ADRIAN GOLDFARB	Chief Financial Officer (Principal Financial Officer)	August 5, 2021
<u>/s/ Connie L. Weeks</u> CONNIE L. WEEKS	Chief Accounting Officer (Principal Accounting Officer)	August 5, 2021
<u>/s/ Ned Mavrommatis</u> NED MAVROMMATIS	Director	August 5, 2021
<u>/s/ James Craig Nixon</u> JAMES CRAIG NIXON	Director	August 5, 2021
<u>/s/ Kenneth Ehrman</u> KENNETH EHRLMAN	Director	August 5, 2021
<u>/s/ Edmond L. Harris</u> EDMOND L. HARRIS	Director	August 5, 2021

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Shutts & Bowen LLP  
200 South Biscayne Boulevard  
Suite 4100  
Miami, Florida 33131

August 5, 2021

Duos Technologies Group, Inc.  
6622 Southpoint Drive South  
Suite 310  
Jacksonville, Florida 32210

**Re: Registration Statement on Form S-8**

Ladies and Gentlemen:

We have acted as counsel to Duos Technologies Group, Inc., a Florida corporation (the "Company"), in connection with the preparation and filing with the Securities and Exchange Commission (the "Commission") of a Registration Statement on Form S-8 (the "Registration Statement"), under the Securities Act of 1933, as amended (the "Act"). The Registration Statement relates to the offering and sale by the Company of up to 1,000,000 shares of the Company's Common Stock, par value \$0.001 per share (the "Shares"), to be issued pursuant to equity awards ("Awards") granted under the Company's 2021 Equity Incentive Plan (the "Plan").

In connection with this opinion letter, we have examined the Registration Statement and such corporate records, documents, instruments and certificates of public officials and of the Company that we have deemed necessary for the purpose of rendering the opinions set forth herein. We have also reviewed such matters of law as we considered necessary or appropriate as a basis for the opinion set forth below.

With your permission, we have made and relied upon the following assumptions, without any investigation or inquiry by us, and our opinion expressed below is subject to, and limited and qualified by the effect of, such assumptions: (i) all corporate records furnished to us by the Company are accurate and complete; (ii) the Registration Statement filed by the Company with the Commission is identical to the form of the document that we have reviewed; (iii) all statements as to factual matters that are contained in the Registration Statement (including the exhibits to the Registration Statement) are accurate and complete; (iv) the Company will at all times reserve a sufficient number of shares of its unissued common stock as is necessary to provide for the issuance of the Shares; and (v) with respect to documents that we reviewed in connection with this opinion letter, all documents submitted to us as originals are authentic, all documents submitted to us as certified, facsimile or photostatic copies conform to the originals of such documents, all such original documents are authentic, the signatures on all documents are genuine, and all natural persons who have executed any of the documents have the legal capacity to do so.

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Based upon the foregoing examination, we are of the opinion that, based upon the assumptions listed above, the Shares when issued and paid for in accordance with the terms of the Plan (and any Award Agreements issued thereunder) will be duly authorized, validly issued, fully paid and nonassessable.

We express no opinion as to matters governed by laws of any jurisdiction other than the federal laws of the United States and the laws of the State of Florida. We neither express nor imply any obligation with respect to any other laws or the laws of any other jurisdiction. For purposes of this opinion, we assume that the Awards and Shares will be issued in compliance with all applicable state securities or blue sky laws.

We assume no obligation to update or supplement this opinion letter if any applicable laws change after the date of this opinion letter or if we become aware after the date of this opinion letter of any facts, whether existing before or arising after the date hereof, that might change the opinions expressed above. This opinion letter is limited to the matters expressly stated herein and no opinions are to be inferred or may be implied beyond the opinions expressly so stated. Without limiting the generality of the foregoing, we neither express nor imply any opinion regarding the contents of the Registration Statement, other than as expressly stated herein with respect to the Shares.

This opinion letter is furnished in connection with the filing of the Registration Statement and may not be relied upon for any other purpose without our prior written consent in each instance. Further, no portion of this letter may be quoted, circulated or referred to in any other document for any other purpose without our prior written consent.

We further consent to your filing a copy of this opinion as Exhibit 5.1 to the Registration Statement. In giving such permission, we do not admit hereby that we come within the category of persons whose consent is required under Section 7 of the Act, or the rules and regulations of the Commission thereunder.

Sincerely,

/s/ Shutts & Bowen LLP



**Consent of Independent Registered Public Accounting Firm**

We hereby consent to the incorporation by reference in the Registration Statement on Form S-8 of Duos Technologies Group, Inc. of our report dated March 30, 2021 on the consolidated financial statements of Duos Technologies Group, Inc. as of December 31, 2020 and 2019 and for each of the two years in the period ended December 31, 2020.

/S/ Salberg & Company, P.A.

SALBERG & COMPANY, P.A.  
Boca Raton, Florida  
August 5, 2021