

COMPANY UPDATE

Rating: BUY

Ticker: DUOT

Price: \$2.80

Target: \$5.25 (from \$5.00)

Duos Technologies Group, Inc.

Reports Q4 about inline and maintains strong 2023 guidance. Continued strong growth for its RIP over the next year should drive stock higher. Raising P/T to \$5.25.

Q4 about inline: Duos recently (on March 30) reported its fiscal Q4 2022 (ending December) results. Revenue was \$5.9 million (+60% y-o-y), compared to our and consensus estimates of \$7.6 million. EPS was \$(0.14), compared to our estimate of \$(0.10) and consensus of \$(0.09). In early February, the company preannounced Q4 revenues of ~\$6.3 million.

Strong Q4 growth: Q4 benefited from the deployment of two additional RIPs for Class 1 railroad customers, significantly increasing its revenue base.

Slight decrease in backlog: Backlog at Q4 was \$10.7 million, down from \$12.0 at Q3. Of which ~\$8.4 million is expected to be recognized in 2023.

Maintains strong 2023 guidance: The company maintained 2023 guidance for revenue of \$20 – 21 million (originally provided in February 2023).

Raising estimates: We are raising our 2023 estimates for revenue to \$20 million, from \$18 million, and for EPS to \$(0.61) from \$(0.74).

Focused on RIP (Railcar Inspection Portal): The company has developed the Railcar Inspection Portal (RIP) that provides both freight and transit railroad customers and select government agencies the ability to conduct fully automated inspections of trains while they are in transit.

RIP system and benefits: The RIP system, which incorporates a variety of sophisticated optical technologies, illumination and other sensors, scans each passing railcar to create an extremely high-resolution image set from a variety of angles including the undercarriage. These images are then processed through various methods of artificial intelligence ("AI") algorithms to identify specific defects and/or areas of interest on each railcar.

7 million scans in 2022: Duos believes the market opportunity for its Rail Inspection Portal (RIP) business is substantial. In 2022, the company estimated that it performed over seven million comprehensive railcar scans. Of this, it estimated that 573,000 were unique railcars, representing ~35% of the total freight car population in North America. While this may seem a lot, there are a lot of rules and regulations requiring rail car inspections such that there are still a lot of market growth opportunities.

Market opportunities: There are an estimated 1.6 million railcars, 140,000 track miles, and over 500 rail yards in North America. There is a big push by federal regulators and railroad companies to move towards advanced technology and automation to reduce costs, increase efficiency, and improve safety.

Recent train derailments can be major opportunities: The recent (in February 2023) major train derailment in Ohio of highly hazardous materials may be a catalyst for the railroads or its regulatory agencies to elevate safety inspections requirements including using Duos RIP technologies.

New capital: In March (just completed Q1), the company raised \$4 million selling preferred stock (convertible at \$3.00/share). We believe the company has enough cash into mid-2024.

Positive risks versus rewards: Overall, concerns outweighed by growth prospects and valuation. Duo's main RIP product still has long commercialization challenges ahead, but we believe the ~billion dollars market potential presents high rewards for the risks.

Current valuation attractive: We are maintaining our BUY rating, but raising our 12-month price target to \$5.25 from \$5.00 based on a NPV analysis. This represents significant upside from the current share price and we believe appropriately balances out the high risks with large upside opportunities.

Company Description

Duos Technologies Group, based in Jacksonville, FL develops and operates intelligent vision based inspection technology solutions for rail, logistics, intermodal, and government customers.

United States Technology

April 2, 2023

Edward Woo, CFA (561) 327-9435 ewoo@ascendiant.com

Stock Data

| Exchange: | NasdaqCM |
|--------------------------------------|-------------|
| 52-week Range: | 1.80 - 5.70 |
| Shares Outstanding (million): | 8.4 |
| Market cap (\$million): | \$24 |
| EV (\$million): | \$19 |
| Debt (\$million): | \$0 |
| Cash (\$million): | \$5 |
| Avg. Daily Trading Vol. (\$million): | \$0.2 |
| Float (million shares): | 3 |
| Short Interest (million shares): | 0.1 |
| Dividend, annual (yield): | \$0 (NA%) |

Revenues (US\$ million)

| | 2023E | 2023E | 2024E | 2024E |
|---------|--------|-------------|--------|-------|
| | (Cur.) | (Old) | (Cur.) | (Old) |
| Q1 Mar | 2.7E | 2.5E | 3.1E | |
| Q2 Jun | 4.2E | 3.8E | 4.7E | |
| Q3 Sep | 5.2E | 4.2E | 5.9E | |
| Q4 Dec | 7.9E | <u>7.7E</u> | 8.8E | |
| Total | 20.0E | 18.3E | 22.4E | |
| EV/Revs | 1.0x | | 0.8x | |

Earnings per Share (pro forma)

| | 2023E | 2023E | 2024E | 2024E |
|--------|---------|---------|---------|-------|
| | (Cur.) | (Old) | (Cur.) | (Old) |
| Q1 Mar | (0.25)E | (0.27)E | (0.18)E | |
| Q2 Jun | (0.19)E | (0.27)E | (0.12)E | |
| Q3 Sep | (0.15)E | (0.22)E | (0.12)E | |
| Q4 Dec | (0.04)E | 0.01E | 0.05E | |
| Total | (0.61)E | (0.74)E | (0.36)E | |
| P/E | N/A | | N/A | |
| | | | | |

Important Disclosures

Ascendiant Capital Markets LLC seeks to do business with companies covered by its research team. Consequently, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making an investment decision.

For analyst certification and other important disclosures, refer to the Disclosure Section, located at the end of this report, beginning on page 12.



OVERVIEW

- Duos recently (on March 30) reported its fiscal Q4 2022 (ending December) results.
- Revenue was \$5.9 million (+60% y-o-y), compared to our and consensus estimates of \$7.6 million.
- EPS was \$(0.14), compared to our estimate of \$(0.10) and consensus of \$(0.09).
- Q4 guidance was for revenue of \$7.4 8.9 million. In early February, the company preannounced Q4 revenues of ~\$6.3 million.
- The company maintained 2023 guidance for revenue of \$20 21 million (originally provided in February 2023).
- We are raising our 2023 estimates for revenue to \$20 million, from \$18 million, and for EPS to \$(0.61) from \$(0.74).
- We are initiating our 2024 estimates for revenue of \$22 million, and for EPS of \$(0.36).

ADDITIONAL DETAILS

- Gross profit for the quarter was \$2.1 million, compared with our estimate of \$2.2 million.
- Gross margin for the quarter was 36%, versus 17% last year and our expectation of 29%.
- Operating expenses were \$3.1 million, versus our expectation of \$2.9 million.
- Operating loss was \$1.0 million, versus our expectation of a loss of \$0.7 million.
- Net loss was \$1.0 million, versus our expectation of a loss of \$0.7 million.
- In November, the company appointed Andrew Murphy, formerly the company's Vice President of Finance, as its new Chief Financial Officer. Mr. Murphy replaces Adrian Goldfarb who will remain with Duos in a consulting capacity and will take on a new position within Duos' newly formed Industry Advisory Group.

The company's balance sheet had ~\$5 million in cash and no debt (estimated cash as of now), compared with \$5 million in cash and no debt at the end of September. In March (just completed Q1), the company raised \$4 million selling preferred stock (convertible at \$3.00/share).



Exhibit 1: Duos Technologies Group Corporate Overview (as of January 2023)

duostech connected intelligence

Duos Technologies Overview - Nasdaq: DUOT



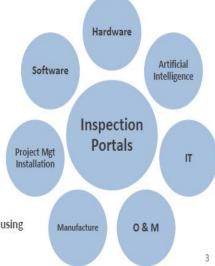
duostech | Nasdaq: DUOT

Advanced technology company that specializes in Machine Vision & Artificial Intelligence to analyze fast moving objects.

We help customers move commerce safer and more efficiently.

- · Headquarters in Jacksonville, FL
- ~ 75 Employees
- · 15 x Portals deployed/contracted
- · FY 2021 Revenue: \$8M
- FY 2022 Revenue: ~\$16.5 \$18.0M
- FY 2023 Revenue: ~\$20.0 \$24.0M (Objective)

All aspects of solutions self-performed using our intellectual property and patents.



Consider WITT Date Technologies for



Exhibit 2: Duos Investment Highlights (as of January 2023)

Investment Highlights



Significant Global Market Opportunities*

- Combined North American markets exceed \$24B
 - \$3.5B Rail Transportation
 - \$2.3B Global Cargo Inspection
 - \$4.7B Aviation Maintenance and Repair Operations
 - \$13.5B 5G/Edge Data Centers

Multiple sources previously cited



Expanded Potential Customer Base

- Multiple multi-million dollar deployments announced in 2022 continuing in 2023
- Potential for 100s of additional customers through new subscription data program



Improving Financial Position

- 2021 revenue of \$8.25 million
- 2022 expected revenue of \$16.5 \$18 million with improved margins anticipated
- Improved Balance sheet with sufficient working capital
 - Strengthening cash position to tackle subscription market
- Increasing project scopes & recurring revenue base



Strong Rail Industry Tailwinds

- Industry rapidly moving toward automation and optimization to reduce costs, increase safety and improve efficiency
- Planned deployments of Duos owned portals in strategic locations on North American rail network



Superior Proprietary Technology

- Spent majority of 2021 on further developing in-house technologies to enable exponential scaling in 2022 – 20.
- Significant capabilities to acquire value added data for Class 1 & transit rail companies



Built for the Future

- Expanded AI and deep learning functionality
- Developed "Expert AI" concept
- Launch Al Detection Catalogue
- Ongoing Focus on AI and Software Technology
 - Expect increased margins and recurring revenues



LINETACH I Nasdag: DILOT



Exhibit 3: Duos Railcar Inspection Portal (RIP)

Our Rail Solution

Railcar Inspection Portal (rip°)

modules

rip® is a modular intelligent visualization system that provides real-time, high resolution, four-sided 360° imagery of railcars at high speeds.

apis® Automated Pantograph Inspection System

vue® Vehicle Undercarriage Examiner

t-vue™ Thermal Vehicle Undercarriage Examiner

obliquevue[™] Oblique Vehicle Undercarriage Examiner





Examples of Freight Railcar Al Detections

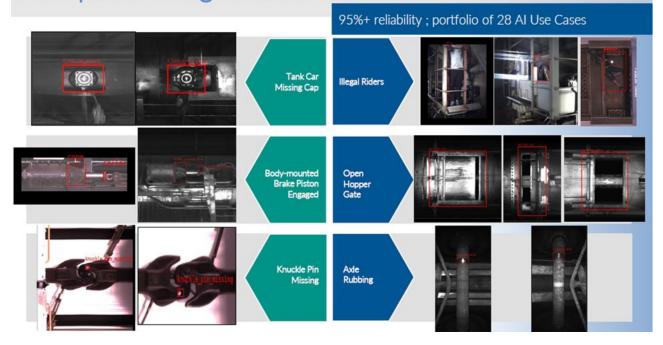




Exhibit 4: Duos Recent History and Future Growth Plans (as of January 2023)



IMPROVED CUSTOMER EXPERIENCE

- · Technical Delivery / QA&QC
- Operational
- Expand customer base / completing initial R&D phase
- · Recurring Revenue

EXPAND RAIL CUSTOMER BASE

- Pivot into other sectors through Business Development & R&D Architecture
- M&A

EXPAND GLOBAL MARKET OPPORTUNITY

· International Transportation Markets

History and Future Pathway

| 2015 | 2020 | 2021 | 2022 | 2023 | 2024 |
|-------------------|--------------------------|---|--|--------------------------------|--------------------------------------|
| Public company | FEB 2020 Up listed to | Improve technical & operational | Image ~ 5.4M railcars | Image ~ 8M railcars | Image ~ 16M railcars |
| by reverse | Nasdaq: DUOT | delivery | Deploy 28x Al Use | Deploy 40x AI Use | 5 |
| merger to OTC | SEP 2020 | Regain customer | Cases at 95%+ reliability | Cases | Deploy 60x Al Use Cases |
| | New CEO | confidence | Teliability | Expand contracts; | Cases |
| | Initiate turn- | Amtrak Win | Expand contracts; 100% renewal rate | 100% renewal rate | Expand contracts; 100% renewal |
| | around | Develop and | with current customers | Expand to subscription model | rate; diversify in rail and other |
| | 11 x portals deployed | deploy ObliqueVUE | 13 x portals deployed | ~ 20 x portals | sectors |
| | \$8M Revenue | Raise \$5.5M to drive growth strategy | Guidance: \$16.5-18M Revenue | deployed Objective: \$20-24M | ~ 30 x portals deployed |
| | | \$8M Revenue | | Revenue; Achieve Break Even | |

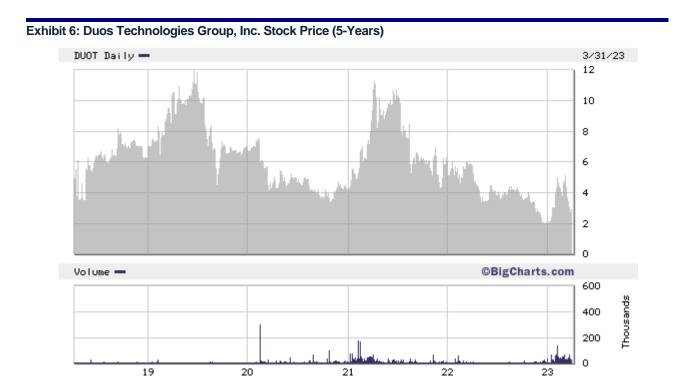


Exhibit 5: Q4 2022 and Recent Highlights (as of March 30, 2023)

Fourth Quarter 2022 and Recent Operational Highlights

- Performed over seven million comprehensive railcar scans in 2022 across 11 portals, of which more than 573,000 were unique railcars. This metric encompasses all railcars scanned at locations across the U.S., Canada, and Mexico, representing approximately 35% of the total freight car population in North America.
- Released 13 new Al detection models for use within the Company's Railcar Inspection Portal ("rip®" or "RIP®") solution since the end of the third quarter. The Company currently has 35 models deployed and operational for freight and transit customers with plans to reach up to 50 different models by the end of 2023.
- Achieved a 100% renewal rate on recurring revenue contracts throughout 2022 with \$2 million cash inflow from those contracts received during the first quarter of 2023.
 Underlying recurring revenues for support and artificial intelligence grew 32% in 2022.
- Entered 2023 with estimated total backlog of more than \$10.7 million of which the Company expects to recognize \$8.4 million during 2023.
- Secured contract modifications worth an additional \$1.1 million in upgrades to a new system for an existing customer in the passenger transportation sector. The add-ons are part of a long-term installation of the Company's high-end RIP, which is designed to capture images at up to 125 miles per hour.
- Appointed industry veteran Thomas Hughes to the newly created role of Vice President of Sales, where he is responsible for supporting the Company's commercial and go-to-market strategies for its new subscription offerings.
- Continued to invest in and expand intellectual property by submitting additional Al and engineering patent applications.





Source: https://bigcharts.marketwatch.com/

| Exhibit 7: Consensus Expectations (as of March 30, 2023) | |
|--|--|
| Revenue (mil) | |

| | Revenue (mil) | | | EPS | |
|--------|---------------|--------------|--------|--------------|-----------|
| | <u>2022E</u> | <u>2023E</u> | | <u>2022E</u> | 2023E |
| Q1 Mar | \$1.4A | \$2.6E | Q1 Mar | \$(0.49)A | \$(0.29)E |
| Q2 Jun | \$3.6A | | Q2 Jun | \$(0.22)A | |
| Q3 Sep | \$4.0A | | Q3 Sep | \$(0.30)A | |
| Q4 Dec | \$7.6E | | Q4 Dec | \$(0.09)E | |
| Total | \$16.6E | \$18.4E | Total | \$(1.02)E | \$(0.78)E |

^{*}Quarterly estimates may not add to annual estimates due to variations in contributing estimates and rounding.

Source: Company report, Refinitiv, and Ascendiant Capital Markets estimates



FINANCIAL MODEL

Duos Technologies Group, Inc.

| Duos Technologies G | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------------|---------|
| Income Statement (\$ mils) | Mar-21 | Jun-21 | Sep-21 | Dec-21 | 2021 | Mar-22 | Jun-22 | Sep-22 | Dec-22 | 2022 | Mar-23 | Jun-23 | Sep-23 | Dec-23 | 2023 | Mar-24 | Jun-24 | Sep-24 | Dec-24 | 2024 |
| Fiscal Year End: December 31 | Q1A | Q2A | Q3A | Q4A | FY-A | Q1A | Q2A | Q3A | Q4A | FY-A | Q1E | Q2E | Q3E | Q4E | FY-E | Q1E | Q2E | Q3E | Q4E | FY-E |
| | | | | | | | | | | | | | | | | | | | | |
| Total Revenue | 2.2 | 0.6 | 1.7 | 3.7 | 8.3 | 1.4 | 3.6 | 4.0 | 5.9 | 15.0 | 2.7 | 4.2 | 5.2 | 7.9 | 20.0 | 3.1 | 4.7 | 5.9 | 8.8 | 22.4 |
| | | | | | | | | | | | | | | | | | | | | |
| Cost of Revenues | 2.7 | 2.2 | 2.8 | 3.1 | 10.8 | 1.2 | 2.3 | 2.9 | 3.8 | 10.3 | 1.9 | 2.7 | 3.3 | 4.9 | 12.8 | 2.0 | 2.9 | 3.6 | <u>5.2</u> | 13.7 |
| Gross Profit | (0.6) | (1.5) | (1.1) | 0.6 | (2.6) | 0.2 | 1.3 | 1.1 | 2.1 | 4.7 | 0.9 | 1.4 | 1.9 | 3.0 | 7.2 | 1.1 | 1.7 | 2.3 | 3.6 | 8.7 |
| | | | | | | | | | | | | | | | | | | | | |
| Sales & marketing | 0.3 | 0.4 | 0.4 | 0.2 | 1.2 | 0.3 | 0.4 | 0.3 | 0.4 | 1.3 | 0.3 | 0.5 | 0.5 | 0.5 | 1.7 | 0.3 | 0.5 | 0.5 | 0.4 | 1.7 |
| Research & development | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.4 | 0.5 | 0.3 | 0.4 | 1.7 | 0.3 | 0.5 | 0.6 | 0.5 | 1.8 | 0.3 | 0.5 | 0.5 | 0.5 | 1.8 |
| Administration | 0.9 | 1.0 | 1.0 | 0.6 | 3.4 | 2.1 | 1.8 | 2.3 | 2.4 | 8.6 | 2.1 | 2.1 | 2.1 | 2.4 | 8.6 | 2.0 | 1.9 | 2.3 | 2.2 | 8.4 |
| Restructuring and other | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 |
| Total operating expenses | 1.2 | 1.4 | 1.4 | 0.9 | 4.9 | 2.9 | 2.7 | 3.0 | 3.1 | 11.6 | 2.7 | 3.0 | 3.1 | 3.3 | 12.1 | 2.6 | 2.8 | 3.3 | 3.2 | 11.9 |
| | | | | | | | | | | | | | | | | | | | | |
| Operating income (loss) | (1.8) | (2.9) | (2.4) | (0.2) | (7.5) | (2.6) | (1.4) | (1.9) | (1.0) | (6.9) | (1.8) | (1.6) | (1.3) | (0.3) | (4.9) | (1.5) | (1.1) | (1.1) | 0.4 | (3.2 |
| | | | | | | | | | | | | | | | | | | | | |
| Interest income (expense) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0) | (0.0 |
| Other income (expense) | 1.4 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 | 0.1 | (0.1) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Income before income taxes | (0.4) | (3.0) | (2.5) | (0.2) | (6.0) | (2.6) | (1.3) | (1.9) | (1.0) | (6.9) | (1.8) | (1.6) | (1.3) | (0.3) | (4.9) | (1.5) | (1.1) | (1.1) | 0.4 | (3.2 |
| Income taxes | | | | | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Net income (loss) | (0.4) | (3.0) | (2.5) | (0.2) | (6.0) | (2.6) | (1.3) | (1.9) | (1.0) | (6.9) | (1.8) | (1.6) | (1.3) | (0.3) | (4.9) | (1.5) | (1.1) | (1.1) | 0.4 | (3.2 |
| | | | | | | | | | | | | | | | | | | | | |
| Nonrecurring/noncash adjustme | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 |
| Net income (pro forma) | (0.4) | (3.0) | (2.5) | (0.2) | (6.0) | (2.6) | (1.3) | (1.9) | (1.0) | (6.9) | (1.8) | (1.6) | (1.3) | (0.3) | (4.9) | (1.5) | (1.1) | (1.1) | 0.4 | (3.2 |
| EBITDA | (1.6) | (2.7) | (2.3) | 0.1 | (6.5) | (2.2) | (1.0) | (1.8) | (0.6) | (5.5) | (1.4) | (1.2) | (0.9) | 0.1 | (3.5) | (1.2) | (0.7) | (0.7) | 0.8 | (1.8 |
| EBITDA | (1.6) | (2.7) | (2.3) | 0.1 | (6.5) | (2.2) | (1.0) | (1.0) | (0.6) | (5.5) | (1.4) | (1.2) | (0.9) | 0.1 | (3.5) | (1.2) | (0.7) | (0.7) | 0.6 | (1.6 |
| Shares, Basic | 3.5 | 3.6 | 3.6 | 4.2 | 3.7 | 5.4 | 6.1 | 6.5 | 6.9 | 6.2 | 7.0 | 8.4 | 8.5 | 8.6 | 8.1 | 8.7 | 8.8 | 8.9 | 9.0 | 8.9 |
| Shares, Diluted | 3.5 | 3.6 | 3.6 | 4.2 | 3.7 | 5.4 | 6.1 | 6.5 | 6.9 | 6.2 | 7.0 | 8.4 | 8.5 | 8.6 | 8.1 | 8.7 | 8.8 | 8.9 | 9.0 | 8.9 |
| | | | | | • | | | | | | | | | | | | | | | |
| EPS Basic (pro forma) | (\$0.11) | (\$0.83) | (\$0.68) | (\$0.05) | (\$1.63) | (\$0.49) | (\$0.22) | (\$0.30) | (\$0.14) | (\$1.11) | (\$0.25) | (\$0.19) | (\$0.15) | (\$0.04) | (\$0.61) | (\$0.18) | (\$0.12) | (\$0.12) | \$0.05 | (\$0.36 |
| EPS Diluted (pro forma) | (\$0.11) | (\$0.83) | (\$0.68) | (\$0.05) | (\$1.63) | (\$0.49) | (\$0.22) | (\$0.30) | (\$0.14) | (\$1,11) | (\$0.25) | (\$0.19) | (\$0.15) | (\$0.04) | (\$0.61) | (\$0.18) | (\$0.12) | (\$0.12) | \$0.05 | (\$0.36 |
| | (40111) | (+) | (4-1) | (40.00) | (4) | (441.14) | (+) | (40.00) | (+) | (4) | (40.20) | (+) | (+) | (40.0.1) | (40.0.) | (40110) | (+) | (+) | ***** | |
| | | | | | | | | | | | | | | | | | | | | |
| Margins | | | | | | | | | | | | | | | | | | | | |
| Gross margin | -27% | -237% | -61% | 17% | -31% | 15% | 35% | 27% | 36% | 32% | 32% | 34% | 36% | 38% | 36% | 35% | 37% | 39% | 41% | 399 |
| Sales & marketing | 14% | 54% | 21% | 6% | 15% | 20% | 10% | 7% | 6% | 9% | 11% | 11% | 9% | 6% | 9% | 10% | 10% | 8% | 5% | 89 |
| Research & development | 3% | 12% | 3% | 1% | 3% | 30% | 15% | 8% | 6% | 11% | 11% | 11% | 11% | 6% | 9% | 10% | 10% | 9% | 6% | 89 |
| Administration | 41% | 151% | 55% | 16% | 41% | 149% | 49% | 58% | 40% | 57% | 75% | 50% | 40% | 30% | 43% | 65% | 40% | 40% | 25% | 389 |
| Operating margin | -85% | -455% | -141% | -6% | -90% | -184% | -39% | -46% | -16% | -46% | -65% | -38% | -24% | -4% | -25% | -50% | -23% | -18% | 5% | -149 |
| Tax rate, GAAP | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 09 |
| Net margin | -19% | -455% | -141% | -5% | -73% | -184% | -37% | -48% | -16% | -46% | -65% | -38% | -24% | -4% | -25% | -50% | -23% | -18% | 5% | -14 |
| = | | | | | | | | | | | | | | | | | | | | |
| Y/Y % change | | | | | | | 4500/ | | | | | 4.507 | | | | | 400/ | 400/ | | |
| Total Revenue | 117% | -67% | 36% | -2% | 3% | -33% | 458% | 131% | 60% | 82% | 90% | 15% | 30% | 32% | 33% | 12% | 12% | 12% | 12% | 129 |
| Gross margin | -12% | -920% | 331% | -82% | -192% | -139% | -183% | -203% | 247% | -286% | 294% | 10% | 71% | 39% | 51% | 23% | 22% | 21% | 21% | 219 |
| Sales & marketing | -57% | 13% | 3% | -42% | 72% | -77% | 32% | -21% | 28% | 8% | -78% | 52% | 3% | 0% | 27% | -82% | 52% | 1% | -6% | -19 |
| Research & development | -98% | 30% | -28% | -5% | -93% | 74% | 21% | -38% | 8% | 556% | -82% | 52% | 26% | -18% | 9% | -83% | 52% | 13% | 0% | 1' |
| Administration | -83% | 12% | -2% | -38% | -32% | -37% | -17% | 32% | 1% | 153% | -76% | 1% | 1% | 13% | -1% | -77% | -6% | 26% | -6% | -2' |
| Operating income (loss) | -13% | 107% | -10% | -42% | 12% | 45% | -53% | -24% | 301% | -8% | -33% | 13% | -33% | -67% | -28% | -14% | -32% | -16% | -240% | -35 |
| Net income (loss) | -81% | 101% | -10% | -53% | -11% | 551% | -55% | -21% | 377% | 14% | -33% | 18% | -35% | -67% | -28% | -14% | -32% | -16% | -240% | -35 |
| EPS Diluted (pro forma) | -86% | 100% | -11% | -61% | -20% | 330% | -73% | -56% | 191% | -32% | -49% | -15% | -51% | -73% | -45% | -31% | -35% | -20% | -233% | -409 |
| · · · · · · · · · · · · · · · · · · · | | | | | | | | | | | | | | | l | | | | | |

Source: Company reports and Ascendiant Capital Markets estimates.



Duos Technologies Group, Inc.

| Duos Technologies Group Balance Sheet (\$ mils) | Mar-21 | Jun-21 | Sep-21 | Dec-21 | Mar-22 | Jun-22 | Sep-22 | Doc-22 | Mar-23 | Jun-23 | Sep-23 | Dec-23 | Mar-24 | Jun-24 | Sep-24 | Dec-24 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Fiscal Year End: December 31 | Q1A | Q2A | Q3A | Q4A | Q1A | Q2A | Q3A | Q4A | Q1E | Q2E | Q3E | Q4E | Q1E | Q2E | Q3E | Q4E |
| ribbar rear Eria. December 61 | Q.IA | QLA. | QUA | 4-7-1 | Q IA | QLA. | QUA | 477 | W.IL | 422 | QUL | 4 | 4.12 | 4 | QUL | 472 |
| Assets | | | | | | | | | | | | | | | | |
| Cash and cash equivalents | 7.1 | 4.8 | 2.3 | 0.9 | 5.3 | 6.3 | 5.0 | 1.1 | 4.9 | 3.2 | 1.9 | 1.5 | 0.9 | (0.8) | (2.4) | (2.1) |
| Short term investments | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Accounts receivable, net | 1.4 | 0.2 | 0.4 | 1.8 | 0.3 | 0.3 | 2.2 | 3.4 | 1.2 | 1.8 | 2.3 | 3.5 | 1.4 | 2.1 | 2.6 | 3.9 |
| Contract assets | 0.0 | 0.2 | 0.2 | 0.0 | 0.3 | 0.7 | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Inventory | 0.0 | 0.2 | 0.2 | 0.3 | 0.3 | 0.8 | 0.7 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| Deferred income taxes | | | | 0.0 | 0.0 | 0.0 | 0., | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Prepaid expenses and other | 0.7 | 0.7 | 0.6 | 0.3 | 0.8 | 0.7 | 0.7 | 0.4 | 1.0 | 1.5 | 1.9 | 2.9 | 1.1 | 1.7 | 2.2 | 3.3 |
| Total current assets | 9.2 | 6.0 | 3.5 | 3.3 | 7.1 | 8.8 | 9.4 | 6.8 | 9.0 | 8.4 | 8.0 | 9.8 | 5.2 | 4.8 | 4.2 | 6.9 |
| Total current assets | 3.2 | 0.0 | 5.5 | 5.5 | / | 0.0 | 3.4 | 0.0 | 3.0 | 0.4 | 0.0 | 3.0 | 5.2 | 4.0 | 7.2 | 0.3 |
| Property and equipment, net | 0.3 | 0.4 | 0.4 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.8 | 0.6 | 0.9 | 1.1 | 1.3 | 1.5 | 2.2 | 2.4 |
| Operating lease | | | | 4.9 | 4.8 | 4.8 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 |
| Intangibles, net | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| Deferred income tax | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other | 0.2 | 0.1 | 0.6 | 0.6 | 0.6 | 0.7 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Total assets | 9.7 | 6.5 | 4.6 | 9.5 | 13.2 | 15.0 | 15.6 | 13.1 | 15.5 | 14.7 | 14.5 | 16.4 | 12.1 | 11.9 | 12.1 | 15.0 |
| | | | | | | | | | | | | | | | | |
| Liabilities and stockholders' equity | | | | | | | | | | | | | | | | |
| Accounts payable | 0.7 | 0.5 | 1.0 | 1.0 | 1.0 | 1.3 | 1.6 | 2.3 | 1.5 | 2.3 | 2.9 | 4.4 | 1.7 | 2.6 | 3.3 | 4.9 |
| Accounts payable - related party | 0.0 | 0.0 | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Accrued expenses | 1.0 | 1.3 | 1.2 | 0.6 | 0.6 | 0.5 | 0.5 | 0.5 | 1.1 | 0.8 | 1.0 | 1.6 | 1.2 | 0.9 | 1.2 | 1.8 |
| Deferred revenue | 1.3 | 1.1 | 0.9 | 0.6 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Deferred income tax | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Contract liabilities | | | | 1.2 | 2.4 | 5.0 | 3.9 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Warrant liabilities | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other | 0.4 | 0.2 | 0.6 | 0.4 | 0.5 | 0.6 | 0.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| Short term debt | 0.2 | 0.2 | 0.1 | 0.1 | 0.2 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total current liabilities | 3.6 | 3.2 | 3.7 | 3.9 | 4.5 | 7.6 | 6.6 | 4.5 | 4.4 | 4.9 | 5.7 | 7.7 | 4.7 | 5.3 | 6.2 | 8.4 |
| | | | | | | | | | | | | | | | | |
| Deferred income taxes | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Warrant liabilities | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other long term liabilities | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Leases | | | | 4.7 | 4.7 | 4.6 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Deferred revenue | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Long term debt | | | | | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total other liabilities | 0.1 | 0.1 | 0.0 | 4.8 | 4.7 | 4.6 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| | l . | | _ | _ | | | | | | | | | | | | |
| Preferred stock | 6.2 | 6.2 | 6.2 | 3.4 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Common stock | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.5 | 0.8 | 1.1 | 1.3 | 1.6 | 1.9 | 2.1 |
| Additional paid-in capital | 39.9 | 40.0 | 40.1 | 43.1 | 51.4 | 51.6 | 55.9 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| Retained earnings | (39.9) | (42.8) | (45.3) | (45.5) | (48.1) | (49.5) | | (52.4) | (54.1) | (55.7) | (57.0) | (57.3) | (58.8) | (59.9) | (60.9) | (60.5) |
| Other | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) | (0.2) |
| Accumulated other comprehensive in | | | | | | | | | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| Total stockholders' equity | 6.1 | 3.2 | 0.9 | 0.8 | 3.9 | 2.8 | 4.3 | 4.1 | 6.5 | 5.2 | 4.2 | 4.2 | 2.9 | 2.1 | 1.3 | 2.0 |
| T-4-1-414141 | | | | | 40.5 | 45.5 | 45.5 | 40. | 4 | | 44- | 40 : | 40: | 44.5 | 40. | 45.5 |
| Total stockholders' equity and liabil | 9.7 | 6.5 | 4.6 | 9.5 | 13.2 | 15.0 | 15.6 | 13.1 | 15.5 | 14.7 | 14.5 | 16.4 | 12.1 | 11.9 | 12.1 | 15.0 |

| Balance | Sheet | Drivers |
|---------|-------|---------|
|---------|-------|---------|

| Dalance Sheet Drivers | | | | | | | | | | | | | | | | |
|---------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| | Mar-21 | Jun-21 | Sep-21 | Dec-21 | Mar-22 | Jun-22 | Sep-22 | Dec-22 | Mar-23 | Jun-23 | Sep-23 | Dec-23 | Mar-24 | Jun-24 | Sep-24 | Dec-24 |
| | Q1A | Q2A | Q3A | Q4A | Q1A | Q2A | Q3A | Q4A | Q1E | Q2E | Q3E | Q4E | Q1E | Q2E | Q3E | Q4E |
| Prepaid as % of total rev | 32% | 114% | 37% | 8% | 58% | 20% | 16% | 7% | 37% | 37% | 37% | 37% | 37% | 37% | 37% | 37% |
| A/P as % of total rev | 32% | 82% | 56% | 28% | 67% | 36% | 41% | 39% | 56% | 56% | 56% | 56% | 56% | 56% | 56% | 56% |
| Accrued exp related as % of total rev | 46% | 197% | 68% | 17% | 41% | 14% | 12% | 8% | 40% | 20% | 20% | 20% | 40% | 20% | 20% | 20% |
| Activity Ratios | | | | | | | | | | | | | | | | |
| A/R Days Sales Outstanding | 58 | 33 | 20 | 43 | 21 | 8 | 50 | 52 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| Book & Cash Value (per share) | | | | | | | | | | | | | | | | |
| Book Value per Share (diluted) | \$1.71 | \$0.89 | \$0.24 | \$0.19 | \$0.74 | \$0.46 | \$0.67 | \$0.59 | \$0.93 | \$0.62 | \$0.50 | \$0.49 | \$0.33 | \$0.24 | \$0.15 | \$0.22 |
| Cash per Share (diluted) | \$2.00 | \$1.36 | \$0.63 | \$0.21 | \$1.00 | \$1.03 | \$0.77 | \$0.16 | \$0.71 | \$0.38 | \$0.22 | \$0.18 | \$0.10 | -\$0.09 | -\$0.27 | -\$0.23 |
| Net cash per Share (diluted) | \$1.93 | \$1.31 | \$0.61 | \$0.20 | \$0.96 | \$1.00 | \$0.75 | \$0.16 | \$0.70 | \$0.38 | \$0.22 | \$0.17 | \$0.10 | -\$0.09 | -\$0.27 | -\$0.23 |

Source: Company reports and Ascendiant Capital Markets estimates



Duos Technologies Group, Inc.

| Cash Flow Statement (\$ mils) | Mar-21 | Jun-21 | Sep-21 | Dec-21 | 2021 | Mar-22 | Jun-22 | Sep-22 | Dec-22 | 2022 | Mar-23 | Jun-23 | Sep-23 | Dec-23 | 2023 | Mar-24 | Jun-24 | Sep-24 | Dec-24 | 2024 |
|--|------------|--------|--------|--------|-------|--------------|--------|--------|--------|-------|--------|--------|--------|--------|-------|--------|--------|--------|--------|------|
| iscal Year End: December 31 | Q1A | Q2A | Q3A | Q4A | FY-A | Q1A | Q2A | Q3A | Q4A | FY-A | Q1E | Q2E | Q3E | Q4E | FY-E | Q1E | Q2E | Q3E | Q4E | FY-E |
| | | | | | | | | | | | | | | | | | | | | |
| Cash flow from operating activit | ies | | | | | | | | | | | | | | | | | | | 1 |
| Net income | (0.4) | (3.0) | (2.5) | (0.2) | (6.0) | (2.6) | (1.3) | (1.9) | (1.0) | (6.9) | (1.8) | (1.6) | (1.3) | (0.3) | (4.9) | (1.5) | (1.1) | (1.1) | 0.4 | (3. |
| Depreciation | 0.1 | 0.1 | 0.1 | (0.0) | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 | 0.1 | 0.1 | 0.1 | 0.1 | 0. |
| Amortization | 0.0 | 0.1 | (0.1) | 0.3 | 0.3 | 0.1 | 0.1 | (0.2) | 0.0 | 0.0 | | | | | 0.0 | | | | | 0. |
| Debt related amortization expens | se | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| Dividend | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| Stock comp | 0.1 | 0.1 | 0.1 | 0.1 | 0.4 | 0.3 | 0.2 | 0.2 | 0.3 | 1.0 | 0.3 | 0.3 | 0.3 | 0.3 | 1.1 | 0.3 | 0.3 | 0.3 | 0.3 | 1. |
| Deferred rent | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| A/R reserves | | | 0.1 | | 0.1 | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| Deferred income taxes | | | | | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0. |
| Change in fair value of warrant li | ability | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| Writedowns and impairments | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| Other gains/losses | (1.4) | | | 0.0 | (1.4) | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| Other | . , | | | | 0.0 | | | | 0.2 | 0.2 | | | | | 0.0 | | | | | 0. |
| Changes in operating assets and li | abilities: | | | | | | | | | | | | | | | | | | | |
| Accounts receivable | (0.2) | 1.1 | (0.3) | (1.2) | (0.6) | 1.4 | 0.0 | (1.9) | (1.2) | (1.7) | 2.2 | (0.6) | (0.5) | (1.2) | (0.1) | 2.1 | (0.7) | (0.5) | (1.3) | (0. |
| Contract assets | 0.1 | (0.1) | (0.1) | 0.2 | 0.1 | (0.3) | (0.4) | (0.1) | 0.4 | (0.4) | | () | (0.0) | (/ | 0.0 | | () | () | () | 0. |
| Inventory | | (, | () | (0.2) | (0.2) | (0.0) | (0.5) | 0.1 | (0.7) | (1.1) | | | | | 0.0 | | | | | 0. |
| Prepaid expenses & other curre | 0.0 | 0.1 | 0.2 | 0.2 | 0.4 | (0.3) | 0.0 | 0.2 | 0.3 | 0.3 | (0.6) | (0.5) | (0.4) | (1.0) | (2.5) | 1.8 | (0.6) | (0.4) | (1.1) | |
| Income tax | 0.0 | 0.1 | 0.2 | 0.2 | 0.0 | (0.0) | 0.0 | 0.2 | 0.0 | 0.0 | (0.0) | (0.0) | (0.1) | (1.0) | 0.0 | | (0.0) | (0.1) | () | 0. |
| Other assets | | | (0.6) | | (0.6) | | | 0.2 | (0.2) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0. |
| Accounts payable | 0.1 | (0.2) | 0.4 | 0.1 | 0.4 | (0.1) | 0.4 | 0.3 | 0.6 | 1.2 | (0.8) | 0.8 | 0.6 | 1.5 | 2.1 | (2.7) | 0.9 | 0.7 | 1.7 | 0.5 |
| Accrued expenses | (0.0) | 0.1 | 0.1 | (0.7) | (0.5) | (0.0) | (0.1) | (0.0) | (0.0) | (0.2) | 0.6 | (0.3) | 0.2 | 0.5 | 1.1 | (0.3) | (0.3) | 0.2 | 0.6 | 0.: |
| Contract liabilities | (0.5) | 0.0 | 0.3 | 0.7 | 0.5 | 0.5 | 2.7 | (1.1) | (2.9) | (0.9) | | () | | | 0.0 | (-1-) | () | | | 0.0 |
| Deferred revenue | 1.0 | (0.2) | (0.2) | (0.3) | 0.3 | 0.0 | | () | (2.0) | 0.0 | | | | | 0.0 | | | | | 0.0 |
| Other liabilities | (0.0) | (0.1) | 0.1 | 0.0 | 0.0 | 0.1 | (0.0) | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Net cash (used in) provided by | (1.3) | (1.9) | (2.3) | (1.1) | (6.6) | (0.8) | 1.1 | (4.1) | (4.0) | (7.9) | 0.1 | (1.8) | (0.9) | (0.1) | (2.8) | (0.3) | (1.4) | (0.8) | 0.6 | (1. |
| net dasii (used iii) provided by | (1.5) | (1.5) | (2.0) | () | (0.0) | (0.0) | | (4.1) | (4.0) | (1.5) | 0 | (1.0) | (0.5) | (0.1) | (2.0) | (0.0) | (1.4) | (0.0) | 0.0 | (|
| Cash flow from investing activit | ies | | | | | | | | | | | | | | | | | | | |
| Purchases of property and equip | (0.1) | (0.1) | (0.1) | (0.2) | (0.5) | (0.1) | (0.0) | (0.3) | 0.1 | (0.3) | (0.3) | 0.1 | (0.3) | (0.3) | (0.8) | (0.3) | (0.3) | (8.0) | (0.3) | (1. |
| Purchases of short-term investm | ents | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 |
| Acquisitions | (0.0) | | | | (0.0) | | (0.0) | 0.0 | (0.3) | (0.3) | | | | | 0.0 | | | | | 0.0 |
| Other | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| Net cash used in investing activ | (0.1) | (0.1) | (0.1) | (0.2) | (0.6) | (0.1) | (0.1) | (0.2) | (0.2) | (0.6) | (0.3) | 0.1 | (0.3) | (0.3) | (0.8) | (0.3) | (0.3) | (8.0) | (0.3) | (1.3 |
| Cash flow from financing activit | ies | | | | | | | | | | | | | | | | | | | 1 |
| Issuance of debt | | (0.2) | 0.2 | | 0.0 | | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0. |
| | (0.0) | (0.2) | (0.3) | (0.1) | (0.4) | (0.2) | (0.1) | (0.1) | (0.0) | (0.4) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0. |
| Repayment of debt Issuance of stock | 4.5 | (0.0) | (0.3) | (0.1) | 4.5 | (0.2) 5.5 | 0.0 | 3.2 | 0.4 | 9.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | | | | | 0.0 | 3.3 | 0.0 | 5.2 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0. |
| Proceeds from stock option exer Other | cises | | | | 0.0 | | | | | 0.0 | 4.0 | | | | 4.0 | | | | | 0. |
| | | | | | | | | | | | 4.0 | | | | | | | | | |
| Dividends and distributions | | (0.0) | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| Cash provided by (used in) fina | 4.5 | (0.2) | (0.1) | (0.1) | 4.1 | 5.4 | (0.1) | 3.1 | 0.4 | 8.7 | 4.0 | 0.0 | 0.0 | 0.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0. |
| Effect of exchange rate on cash | | | | | 0.0 | | | | | 0.0 | | | | | 0.0 | | | | | 0. |
| Net increase (decrease) in cash | 3.1 | (2.2) | (2.6) | (1.4) | (3.1) | 4.4 | 0.9 | (1.3) | (3.8) | 0.2 | 3.8 | (1.8) | (1.3) | (0.4) | 0.4 | (0.6) | (1.7) | (1.6) | 0.3 | (3. |
| Beginning cash and equivalents | 4.0 | 7.1 | 4.8 | 2.3 | 4.0 | 0.9 | 5.3 | 6.3 | 5.0 | 0.9 | 1.1 | 4.9 | 3.2 | 1.9 | 1.1 | 1.5 | 0.9 | (0.8) | (2.4) | 1. |
| Ending cash and equivalents | 7.1 | 4.8 | 2.3 | 0.9 | 0.9 | 5.3 | 6.3 | 5.0 | 1.1 | 1.1 | 4.9 | 3.2 | 1.9 | 1.5 | 1.5 | 0.9 | (0.8) | (2.4) | (2.1) | (2. |

Source: Company reports and Ascendiant Capital Markets estimates



ANALYST CERTIFICATION

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Duos Technologies Group, Inc.

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Ascendiant Capital Markets, LLC Rating System

BUY: We expect the stock to provide a total return of 15% or more within a 12-month period.



HOLD: We expect the stock to provide a total return of negative 15% to positive 15% within a 12-month period.

SELL: We expect the stock to have a negative total return of more than 15% within a 12-month period.

Total return is defined as price appreciation plus dividend yield.

Ascendiant Capital Markets, LLC Distribution of Investment Ratings (as of January 15, 2023)

| Investment Banking Services |
|------------------------------------|
| Dact 12 months |

| Rating | Count | Percent | Fast 12 IIIOIItiis | |
|--------|-------|---------|--------------------|---------|
| | | | Count | Percent |
| Buy | 44 | 98% | 18 | 41% |
| Hold | 0 | 0% | 0 | 0% |
| Sell | 1 | 2% | 0 | 0% |
| Total | 45 | 100% | 18 | 40% |

Other Important Disclosures

Our analysts use various valuation methodologies including discounted cash flow, price/earnings (P/E), enterprise value/EBITDAS, and P/E to growth rate, among others. Risks to our price targets include failure to achieve financial results, product risk, regulatory risk, general market conditions, and the risk of a change in economic conditions.

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