# Morgan Stanley | RESEARCH

May 8, 2025 04:01 AM GMT

# AppLovin Corp | North America

# Momentum Across the Board; Remain OW

WHAT'S CHANGED		
AppLovin Corp (APP.O) Price Target	<b>From</b> \$350.00	To \$420.00

Reaction to earnings

Strengthens our thesis Impact to our thesis Meaningful upside
 Financial results versus consensus

↑ Meaningful revision higher Direction of next 12-month consensus EPS

Source: Company data, Morgan Stanley Research

APP delivered a strong beat as the core gaming ads outperformed and non-gaming continued to build momentum with an estimated ~\$150mn contribution to 1Q. We come away incrementally bullish on the opportunity ahead for further share gains, as we raise our '25/'26 EBITDA by 18%/18% and our PT to \$420.

## **Key Takeaways**

- 1Q results show strong execution in the core ad product, driving revenue/EBITDA 8%/16% above estimates.
- APP's ad algorithm innovations fueled >60% growth for the 7th consecutive quarter.
- Non-gaming ad revenue reached an estimated ~\$150mn in 1Q, contributing significantly to growth.
- APP is set to divest 1P games segment to Tripledot Studios for \$400mn and a 20% equity stake
- We raise our '25/'26 EBITDA estimates by 18%/18% and remain OW as we increase our price target to \$420.

1Q Leaves Us Incrementally Bullish on APP's Core Gaming Trajectory, As

Management Projects Confidence on the '25 Outlook (and Beyond): We came
away from 1Q results incrementally bullish on APP's execution on its core ad
product, as it continues to gain share in gaming while building momentum in its nongaming product, which we estimate contributed ~\$150mn of revenue in just its
second quarter (vs. our projection of \$750mn for the full year '25). We see a path
for APP to build on these trends by investing in its core technology, testing new
products like automated ad creative, and piloting the self serve dashboard that we
expect to be a significant demand unlock when it reaches general availability.

Management acknowledged that some of APP's non-gaming advertisers might be
exposed to tariff headwinds through '25, but we were encouraged by their view that

MORGAN STANLEY & CO. LLC

## Matthew Cost

Equity Analyst

Matthew.Cost@morganstanley.com +1 212 761-7252

IDEA

#### Brian Nowak, CFA

Equity Analyst

Brian.Nowak@morganstanley.com +1 212 761-3365

#### Dave Nwokonko

Research Associate

Dave.Nwokonko@morganstanley.com +1 212 761-4774

#### Matt Bombassei

Research Associate

Matt.Bombassei@morganstanley.com

## Julian Herrera

Research Associate

Julian.Herrera@morganstanley.com +1 212 761-1784

#### Nishant R Chintala, CFA

Research Associate

Nishant.Chintala@morganstanley.com +1 212 761-0800

#### AppLovin Corp (APP.O, APP US)

Internet | United States of America

Stock Rating	Overweight
Industry View	Attractive
Price target	\$420.00
Shr price, close (May 7, 2025)	\$303.46
Mkt cap, curr (mm)	\$104,657
52-Week Range	\$525.15-60.67

Morgan Stanley does and seeks to do business with companies covered in Morgan Stanley Research. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of Morgan Stanley Research. Investors should consider Morgan Stanley Research as only a single factor in making their investment decision.

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

the non-gaming product would still be well positioned to grow, as it adds more and more customers through the year. Looking ahead, we will also be monitoring the company's progress on expanding into CTV, which we now believe will be a larger focus in '26 as well as its moonshot bid to merge with TikTok (more on this here).

What Mattered In 1Q? We Got Another Strong Beat and Raise As Gaming Gains Share, Non-Gaming Gains Momentum, and the 1P Apps Are Set for Divestiture in 2Q: APP delivered another strong beat in 1Q with revenue/EBITDA 8%/16% ahead of our prior estimates, with the clearest strength in advertising revenue, which came in 11% ahead and maintained 81% EBITDA margins. APP's continued investment and innovation in its ad algorithm helped drive >60% growth for the 7th consecutive quarter, but perhaps most impressive is the fact that the majority of the 16% q/q ad revenue growth came from the core gaming ads product, rather than the fastgrowing non-gaming offering. By our math, this implies that non-gaming drove up to \$78mn of q/q growth off of \$50-\$100mn in 4Q, implying ~\$150mn of 1Q nongaming ad revenue. We were also encouraged by APP's disclosure of just 3% churn rate on non-gaming advertiser spending at a >\$250k run rate. Additionally, the company shared that it has entered a definitive agreement to divest its Apps segment (i.e. the 1P games) for a cash consideration of \$400mn and a 20% equity stake in the acquirer, Tripledot Studios. APP expects the transaction to close in late 2Q. From a guidance perspective, the company's 2Q revenue/EBITDA guide came in 13%/15% ahead of us at the midpoints.

Remain OW, PT to \$420: Turning to our model, we raise our '25/'26 EBITDA by 18%/18% to account for the company's stronger than expected 1Q results, 2Q guidance, and forward commentary. From an ad network perspective, we continue to expect ~\$750mn of non-gaming/ecommerce revenue in '25. We remain OW and raise our price target to \$420, based on a target multiple of 26x our '26 EBITDA (unchanged vs. 26x prior). We continue to derive this multiple from a SOTP methodology in which we apply a 27x EBITDA multiple to APP's ad network and 4x multiple to its game portfolio. While this is a significant premium vs. the EV/EBITDA peer regression, we believe it is justified by APP's large, multi-vertical opportunity and rapid pace of innovation. We also note that it is well in line with leaders like TTD and NFLX on a growth-adjusted basis.

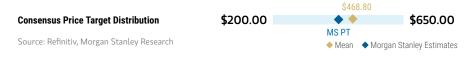
Morgan Stanley | RESEARCH

## Risk Reward - AppLovin Corp (APP.O)

Buy Ad Tech's Best Executor

#### PRICE TARGET \$420.00

We use an EV/EBITDA based sum of the parts methodology that values the ad network and publishing businesses separately, informed by a regression of peers



#### RISK REWARD CHART AND OPTIONS IMPLIED PROBABILITIES (12M)

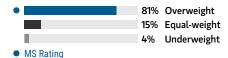


**Key:** — Historical Stock Performance ● Current Stock Price ◆ Price Target

#### **OVERWEIGHT THESIS**

APP remains the strongest executor in the mobile app advertising market and we expect them to continue gaining share even in a weaker macro environment. We also expect non-gaming to drive the majority of APP's dollar ad revenue growth going forward as the company pushes into new ad verticals.

#### **Consensus Rating Distribution**



Source: Refinitiv, Morgan Stanley Research

#### **Risk Reward Themes**

Disruption: Positive

View descriptions of Risk Rewards Themes <u>here</u>

# BULL CASE \$675.00 BASE CASE \$420.00 BEAR CASE \$120.00

#### 31x Bull Case 2026E EBITDA

AppLovin accelerates share gains in the ad network and sees limited impact from macro headwinds. New pools of ad spend outside gaming begin to leverage APP more aggressively. Total revenue grows at a >35% CAGR through 2027. Scale drives more significant leverage across the cost structure, leading EBITDA margins to reach >80% in 2027.

#### 26x Base Case 2026E EBITDA

AppLovin drives continued share gains in the ad network business despite macro uncertainty. Non-gaming ad verticals scale at a steady pace. Total revenue grows at a ~25% CAGR through 2027. Scale drives leverage across the cost structure, leading EBITDA margins to exceed 70% in 2027.

#### 11x Bear Case 2026E EBITDA

Ad network growth slows more than expected as APP's competitive edge wains and macro weighs heavily on the business. Non-gaming verticals fail to achieve significant scale. Total revenue grows at a ~12% CAGR through 2027. Limited growth drives more modest operating leverage, leading EBITDA margins to dip below 70% by 2027.

## Risk Reward - AppLovin Corp (APP.O)

#### **KEY EARNINGS INPUTS**

Drivers	2024	2025e	2026e	2027e	
Bookings (\$, mm)	4,709	6,403	7,870	9,471	
EBITDA (\$, mm)	2,720	4,273	5,485	6,900	
EBITDA Margin (%)	57.8	66.7	69.7	72.9	

## **INVESTMENT DRIVERS**

- Technology and data set underlying the ad network
- Expansion into new ad verticals e.g. ecommerce
- Opportunity to launch new channels like CTV over time
- Leading position at the mediation level

## **GLOBAL REVENUE EXPOSURE**



Source: Morgan Stanley Research Estimate View explanation of regional hierarchies <u>here</u>

#### MS ALPHA MODELS

Source: Refinitiv, FactSet, Morgan Stanley Research; 1 is the highest favored Quintile and 5 is the least favored Quintile

## **RISKS TO PT/RATING**

#### **RISKS TO UPSIDE**

- Ad network accelerates share gains
- New advertisers (e.g. ecommerce) move more aggressively to mobile apps over time
- APP expands into new channels such as CTV

#### **RISKS TO DOWNSIDE**

- Macroeconomic pressure is worse/more prolonged
- Ad network competition intensifies, narrowing APP's take rate
- APP loses access to critical data that drives performance
- Mobile platforms enforce harmful restriction on advertising businesses

#### **OWNERSHIP POSITIONING**

Refinitiv; MSPB Content. Includes certain hedge fund exposures held with MSPB. Information may be inconsistent with or may not reflect broader market trends. Long/Short Ratio = Long Exposure / Short exposure. Sector % of Total Net Exposure = (For a particular sector: Long Exposure - Short Exposure) / (Across all sectors: Long Exposure - Short Exposure).

## MS ESTIMATES VS. CONSENSUS



Source: Refinitiv, Morgan Stanley Research

2026 Revision

13% 128 bp 9% 13% 54 bp

-5% 20% -5% **-3%** 

-98 bp 13 bp -166 bp 28% **18%** 305 bp

# Changes to Our Estimates

**Exhibit 1:** Changes to our APP estimates

## Morgan Stanley | APP Prior vs Current Estimates

(\$ in millions

	2025	2026	ī I	2025	2026	I	2025
	Prior	Prior		Current	Current		Revision
Financial Summary			İ				
Software Revenue	4,326.1	5,624.0		5,078.6	6,602.1		17%
Apps Revenue	1,415.3	1,360.0		1,324.1	1,268.3		-6%
Total Revenue	5,741.5	6,984.0		6,402.7	7,870.4		12%
Y/Y % Growth	22%	22%		36%	23%		1,404 bp
Cost of Revenue (ex SBC, D&A)	834.7	1,033.0		876.2	1,121.7		5%
Gross Profit	4,906.7	5,951.0		5,526.5	6,748.7		13%
Gross Margin	85.5%	85.2%		86.3%	85.7%		85 bp
Operating Expenses							
Research & Development (ex SBC, D&A)	421.6	441.4		411.3	420.0		-2%
General and administrative (ex SBC, D&A)	130.0	138.1		142.4	165.7		10%
Sales & Marketing (ex SBC, D&A)	731.3	717.0		711.0	677.6		-3%
Total Operating Expenses (Non-GAAP)	1,282.9	1,296.5		1,264.7	1,263.3		-1%
% of Revenue							
Research & Development (ex SBC, D&A)	7%	6%		6%	5%		-92 bp
General and administrative (ex SBC, D&A)	2%	2%		2%	2%		-4 bp
Sales & Marketing (ex SBC, D&A)	13%	10%		11%	9%		-163 bp
GAAP EPS	\$6.12	\$8.55		\$7.76	\$10.91		27%
		l					
Non-GAAP EBITDA	3,623.9	4,654.5		4,273.1	5,485.3		18%
Non-GAAP EBITDA Margin	63.1%	66.6%		66.7%	69.7%		362 bp
	L	ļ	ļ l			ı	L

Source: Company data, Morgan Stanley Research estimates

# Company Model

**Exhibit 2:** APP Income Statement

Morgan Stanley   APP Model					
(USD Millions)	2023A	2024A	2025E	2026E	2027E
Income Statement					
Total Davanua	\$3,283.1	\$4,709.2	\$6,402.7	<b>₾7 070 4</b>	ΦO 471 O
Total Revenue - Cost of Revenue (COGS)	\$1,059.2	\$1,166.8	\$1,275.8	\$7,870.4 1,498.7	\$9,471.0 1,446.3
= Gross Income	\$2,223.9	\$3,542.4	\$5,126.9	\$6,371.8	\$8,024.7
<ul> <li>Gross income</li> <li>Research and Development</li> </ul>	\$2,223.9 592.4	<b>\$3,542.4</b> 638.7	\$ <b>5,126.9</b> 648.3	<b>36,371.8</b> 741.9	\$8,024.7 812.1
- Research and Development - General and Administrative	152.6	181.1	212.2	255.9	291.9
- General and Administrative - Sales and Marketing	830.7	849.2	841.3	255.9 843.4	291.9 817.0
- Sales and Marketing - Restructuring and Other	630.7	049.2	188.9	043.4	
· · · · · · · · · · · · · · · · · · ·					 00 100 7
= Operating Income	\$648.2	\$1,873.5	\$3,236.2	\$4,530.6	\$6,103.7
- Interest Expense - Interest and Other Income	275.7	318.3	211.6	211.6	211.6
	(8.0)	(20.8)	(7.8)	(7.8)	(7.8)
= Pre-Tax Income	380.6	1,576.0	3,032.4	4,326.8	5,900.0
+ Income Tax Provision	23.9	(3.8)	355.8	562.5	767.0
= Net Income	\$356.7	\$1,579.8	\$2,676.6	\$3,764.3	\$5,133.0
Basic - GAAP EPS	\$1.01	\$4.69	\$7.88	\$11.08	\$15.08
Diluted - GAAP EPS	\$0.99	\$4.54	\$7.76	\$10.91	\$14.86
Basic Shares Outstanding	352.2	336.9	339.8	339.9	340.4
Diluted Shares Outstanding	361.0	347.8	344.8	344.9	345.4
Period End Basic Shares	352.2	336.9	339.8	339.9	340.4
Adj. Gross Profit	\$2,675.8	\$3,957.8	\$5,526.5	\$6,748.7	\$8,156.3
Adj. Gross Margin	81.5%	84.0%	86.3%	85.7%	86.1%
Adj. EBITDA	\$1,502.7	\$2,719.6	\$4,273.1	\$5,485.3	\$6,900.2
Adj. EBITDA Margin	45.8%	57.8%	66.7%	69.7%	72.9%
Incremental EBITDA Margin	94.3%	85.3%	91.7%	82.6%	88.4%
Effective Tax-Rate	6.3%	(0.2%)	11.7%	13.0%	13.0%
Statutory Tax-Rate	21.0%	21.0%	21.0%	21.0%	21.0%
Non-GAAP Operating Metrics					
GAAP EBIT	648.2	1,873.5	3,236.2	4,530.6	6,103.7
+ Depreciation & Amortization	489.0	448.7	431.0	403.8	133.5
+ Stock-Based Compensation	363.1	376.5	405.6	550.9	663.0
+ Other	2.3	21.0	200.4		
= Adjusted EBITDA	\$1,502.7	\$2,719.6	\$4,273.1	\$5,485.3	\$6,900.2

Source: Company data, Morgan Stanley Research estimates

**Exhibit 3:** APP Balance Sheet

Morgan Stanley   APP Model					
(USD Millions)	2023A	2024A	2025E	2026E	2027E
Balance Sheet					
ASSETS					
Cash and cash equivalents	\$502.2	\$741.4	\$3,243.7	\$7,161.0	\$11,946.3
Accounts receivable, net	953.8	1,414.2	1,813.8	2,229.6	2,683.0
Prepaid expenses and other current assets	160.2	156.5	200.8	246.8	297.0
Total Current Assets	\$1,616.2	\$2,312.2	\$5,258.2	\$9,637.4	\$14,926.2
Property, Plant and equipment, net	173.3	160.5	161.2	168.2	176.8
Operating lease right-of-use assets	48.2	38.1			
Goodwill	1,842.9	1,803.4	1,639.8	1,639.8	1,639.8
Intangible assets, net	1,292.6	896.7	549.7	229.3	196.1
Licensed assets, net					
Other Assets	386.0	658.4	682.9	682.9	682.9
Total Long-Term Assets	\$3,743.0	\$3,557.1	\$3,033.5	\$2,720.2	\$2,695.6
Total Assets	\$5,359.2	\$5,869.3	\$8,291.8	\$12,357.6	\$17,621.8
LIABILITIES & SHAREHOLDERS EQUITY					
Accounts payable	\$371.7	\$563.4	\$933.5	\$1,096.6	\$1,058.3
Accrued liabilities	252.2	409.4	718.6	806.1	812.7
Short-term debt	215.0		200.0	200.0	200.0
Obligation for licensed assets, current	13.1				
Operating lease liabilities, current	13.6	14.8			
Deferred revenue	78.6	69.8	72.6	72.6	72.6
Deferred acquisition costs, current					
Long-term debt	2,905.9	3,509.0	3,510.0	3,510.0	3,510.0
Obligation for licensed assets, noncurrent					
Operating lease liabilities, noncurrent	42.9	32.6			
Other noncurrent liabilities	209.9	180.4	212.1	212.1	212.1
Total Liabilities	\$4,102.9	\$4,779.4	\$5,646.8	\$5,897.4	\$5,865.7
Stockholders' Equity:					
Common stock	0.0	0.0	0.0	0.0	0.0
Preferred stock					
Noncontrolling interest					
Additional paid-in capital	2,134.6	593.7	474.6	474.6	474.6
Accumulated other comprehensive income (loss)	(65.3)	(103.1)	(73.2)	(73.2)	(73.2)
Accumulated deficit	(813.0)	599.2	2,243.5	6,058.7	11,354.7
Total Stockholders' Equity	\$1,256.3	\$1,089.8	\$2,644.9	\$6,460.2	\$11,756.1
Total Liabilities & Shareholders' Equity	\$5,359.2	\$5,869.3	\$8,291.8	\$12,357.6	\$17,621.8

Source: Company data, Morgan Stanley Research estimates

**Exhibit 4:** APP Cash Flow Statement

Morgan Stanley   APP Model					
(USD Millions)	2023A	2024A	2025E	2026E	2027E
Cash Flow Statement					
Operating Cash Flow:					
Net Income	\$356.7	\$1,579.8	\$2,676.6	\$3,764.3	\$5,133.0
Depreciation & Amortization	489.0	448.7	431.0	403.8	133.5
Amortization of debt issuance costs and discount	9.4				
Stock-Based Compensation	363.1	369.4	405.6	550.9	663.0
Amortization of operating right-of-use assets	17.8				
Other	34.2	50.7	197.0		
Funds from Operations (FFO)	\$1,270.2	\$2,448.6	\$3,710.2	\$4,719.1	\$5,929.5
Changes in Working Capital:					
Accounts receivable	(\$261.3)	(\$467.0)	(\$403.4)	(415.8)	(453.4)
Prepaid Expenses & Other Current Assets	(12.3)	4.1	(14.1)	(46.0)	(50.2)
Other assets	(121.7)	(189.4)	/	`	`
Accounts Payable	98.6	189.6	370.9	163.1	(38.3)
Operating lease liabilities	(18.6)	(14.1)			` <i>'</i>
Accrued and other liabilities	92.8	134.0	281.0	87.4	6.6
Deferred revenue	13.9	(6.6)			
Changes in Working Capital	(\$208.7)	(\$349.5)	\$234.4	(\$211.3)	(\$535.3)
Operating Cash Flow	\$1,061.5	\$2,099.0	\$3,944.6	\$4,507.8	\$5,394.2
Investing Cash Flow:					
Purchase of property and equipment	(\$4.2)	(\$4.8)	(\$38.4)	(\$39.4)	(\$47.4)
Acquisitions, net of cash acquired	(63.9)	(25.6)	(25.6)	(51.2)	(61.6)
Purchase of non-marketable securities & Other	(9.7)	(76.4)	(4.0)		
Investing Cash Flow	(\$77.8)	(\$106.8)	(\$67.9)	(\$90.5)	(\$108.9)
Financing Cash Flow:					
Proceeds from debt issuance, net of issuance costs	\$390.6	\$4,579.3	\$200.0		
Payment of debt principal	(498.0)	(4,225.2)			
Payment of finance leases	(20.2)	(4.9)			
Proceeds from exercise of stock awards	20.9	41.8	5.3		
Proceeds from issuance of common stock	4.9				
Payment of deferred acquisition costs	(280.3)	(1,143.5)	(193.1)		
Payments of licensed asset obligation	(27.1)	(15.9)	(13.5)		
Repurchase of common stock options	(1,153.6)	(981.3)	(1,375.9)	(500.0)	(500.0)
Payments of deferred IPO costs	(1,100.0)		(1,070.0)		(000.0)
Financing Cash Flow	(\$1,562.8)	(\$1,749.8)	(\$1,377.2)	(\$500.0)	(\$500.0)
	(0.,002.07	(4.1,1.10.07	(4.,6)	(4000.0)	(4000.0)
Effects of Exchange Rate Changes on Cash & Equivalents	\$0.8	(\$3.2)	\$2.8	\$	\$
Beginning Cash	\$1,080.5	\$502.2	\$741.4	\$3,243.7	\$7,161.0
(+/-) Net Changes in Cash	(578.3)	239.3	2,502.3	3,917.3	4,785.3
(+/-) Net changes in Cash (+/-) Restatements / Adjustments	(3/0.3)	239.3	د,502.5		+,700.0
Ending Cash	\$502.2	\$741.4	\$3,243.7	\$7,161.0	\$11,946.3
Eliuling Casil	\$302.2	<b>\$/41.4</b>	<b></b>	φ/,101.U	φ11, <del>94</del> 0.3

Source: Company data, Morgan Stanley Research estimates

# Risk Reward Reference links

- 1. View explanation of Options Probabilities methodology Options\_Probabilities\_Exhibit\_Link.pdf
- 2. View descriptions of Risk Rewards Themes RR\_Themes\_Exhibit\_Link.pdf
- 3. View explanation of regional hierarchies GEG\_Exhibit\_Link.pdf
- 4. View explanation of Theme/Exposure methodology ESG\_Sustainable\_Solutions\_External\_Link.pdf
- 5. View explanation of HERS methodology ESG\_HERS\_External\_Link.pdf



## **Disclosure Section**

The information and opinions in Morgan Stanley Research were prepared by Morgan Stanley & Co. LLC, and/or Morgan Stanley C.T.V.M. S.A., and/or Morgan Stanley Mexico, Casa de Bolsa, S.A. de C.V., and/or Morgan Stanley Canada Limited. As used in this disclosure section, "Morgan Stanley" includes Morgan Stanley & Co. LLC, Morgan Stanley C.T.V.M. S.A., Morgan Stanley Mexico, Casa de Bolsa, S.A. de C.V., Morgan Stanley Canada Limited and their affiliates as necessary.

For important disclosures, stock price charts and equity rating histories regarding companies that are the subject of this report, please see the Morgan Stanley Research Disclosure Website at www.morganstanley.com/researchdisclosures, or contact your investment representative or Morgan Stanley Research at 1585 Broadway, (Attention: Research Management), New York, NY, 10036 USA

For valuation methodology and risks associated with any recommendation, rating or price target referenced in this research report, please contact the Client Support Team as follows: US/Canada +1 800 303-2495; Hong Kong +852 2848-5999; Latin America +1 718 754-5444 (U.S.); London +44 (0)20-7425-8169; Singapore +65 6834-6860; Sydney +61 (0)2-9770-1505; Tokyo +81 (0)3-6836-9000. Alternatively you may contact your investment representative or Morgan Stanley Research at 1585 Broadway, (Attention: Research Management), New York, NY 10036 USA.

## **Analyst Certification**

The following analysts hereby certify that their views about the companies and their securities discussed in this report are accurately expressed and that they have not received and will not receive direct or indirect compensation in exchange for expressing specific recommendations or views in this report: Matthew Cost; Brian Nowak, CFA.

## **Global Research Conflict Management Policy**

Morgan Stanley Research has been published in accordance with our conflict management policy, which is available at www.morganstanley.com/institutional/research/conflictpolicies. A Portuguese version of the policy can be found at www.morganstanley.com.br

## **Important Regulatory Disclosures on Subject Companies**

The analyst or strategist (or a household member) identified below owns the following securities (or related derivatives): Dave Nwokonko - Amazon.com Inc(common or preferred stock), Uber Technologies Inc(common or preferred stock).

As of April 30, 2025, Morgan Stanley beneficially owned 1% or more of a class of common equity securities of the following companies covered in Morgan Stanley Research: Airbnb Inc, Alphabet Inc., Amazon.com Inc, **AppLovin Corp**, Booking Holdings Inc, Bumble Inc., Chewy Inc, Criteo SA, DoorDash Inc, DoubleVerify Holdings Inc, eBay Inc, Electronic Arts Inc, Etsy Inc, Expedia Inc., Lyft Inc, Match Group Inc, Meta Platforms Inc, Opendoor Technologies Inc, Peloton Interactive, Inc., Pinterest Inc, Reddit Inc, Revolve Group Inc, Roblox Corporation, Shutterstock Inc, Take-Two Interactive Software, Trade Desk Inc, Uber Technologies Inc, Webtoon Entertainment Inc, WW International Inc, Yelp Inc.

Within the last 12 months, Morgan Stanley managed or co-managed a public offering (or 144A offering) of securities of Alphabet Inc., **AppLovin Corp**, Booking Holdings Inc, Chewy Inc, Meta Platforms Inc, Uber Technologies Inc, Unity Software Inc, Webtoon Entertainment Inc.

Within the last 12 months, Morgan Stanley has received compensation for investment banking services from Alphabet Inc., Amazon.com Inc, **AppLovin Corp**, Booking Holdings Inc, Chewy Inc, Meta Platforms Inc, Playtika Holding Corp, Uber Technologies Inc, Webtoon Entertainment Inc.

In the next 3 months, Morgan Stanley expects to receive or intends to seek compensation for investment banking services from Airbnb Inc, Alphabet Inc., Amazon.com Inc, AppLovin Corp, Booking Holdings Inc, Bumble Inc., Chewy Inc, Criteo SA, DoorDash Inc, DoubleVerify Holdings Inc, Duolingo Inc, eBay Inc, Electronic Arts Inc, Etsy Inc, Expedia Inc., FIGS, Inc., Instacart, Integral Ad Science Holding Corp., Lyft Inc, Match Group Inc, Meta Platforms Inc, Nextdoor Holdings Inc, Opendoor Technologies Inc, Peloton Interactive, Inc., Pinterest Inc, Playtika Holding Corp, Reddit Inc, Revolve Group Inc, Roblox Corporation, Shutterstock Inc, Snap Inc., Take-Two Interactive Software, Trade Desk Inc, Uber Technologies Inc, Unity Software Inc, Webtoon Entertainment Inc, WW International Inc, Yelp Inc, Zillow Group Inc.

Within the last 12 months, Morgan Stanley has received compensation for products and services other than investment banking services from Airbnb Inc, Alphabet Inc., Amazon.com Inc, AppLovin Corp, Booking Holdings Inc, Chewy Inc, DoorDash Inc, eBay Inc, Electronic Arts Inc, Expedia Inc., Integral Ad Science Holding Corp., Match Group Inc, Meta Platforms Inc, Peloton Interactive, Inc., Pinterest Inc, Playtika Holding Corp, Reddit Inc, Revolve Group Inc, Snap Inc., Take-Two Interactive Software, Uber Technologies Inc, Unity Software Inc, WW International Inc. Within the last 12 months, Morgan Stanley has provided or is providing investment banking services to, or has an investment banking client relationship with, the following company: Airbnb Inc, Alphabet Inc., Amazon.com Inc, AppLovin Corp, Booking Holdings Inc, Bumble Inc., Chewy Inc, Criteo SA, DoorDash Inc, DoubleVerify Holdings Inc, Duolingo Inc, eBay Inc, Electronic Arts Inc, Expedia Inc., FIGS, Inc., Instacart, Integral Ad Science Holding Corp., Lyft Inc, Match Group Inc, Meta Platforms Inc, Nextdoor Holdings Inc, Opendoor Technologies Inc, Peloton Interactive, Inc., Pinterest Inc, Playtika Holding Corp, Reddit Inc, Revolve Group Inc, Roblox Corporation, Shutterstock Inc, Snap Inc., Take-Two Interactive Software, Trade Desk Inc, Uber Technologies Inc, Unity Software Inc, Webtoon Entertainment Inc, WW International Inc, Yelp Inc, Zillow Group Inc.

Within the last 12 months, Morgan Stanley has either provided or is providing non-investment banking, securities-related services to and/or in the past has entered into an agreement to provide services or has a client relationship with the following company: Airbnb Inc, Alphabet Inc., Amazon.com Inc, **AppLovin Corp**, Booking Holdings Inc, Chewy Inc, DoorDash Inc, eBay Inc, Electronic Arts Inc, Expedia Inc., Integral Ad Science Holding Corp., Match Group Inc, Meta Platforms Inc, Opendoor Technologies Inc, Peloton Interactive, Inc., Pinterest Inc, Playtika Holding Corp, Reddit Inc, Revolve Group Inc, Snap Inc., Take-Two Interactive Software, Uber Technologies Inc, Unity Software Inc, WW International Inc, Zillow Group Inc.

An employee, director or consultant of Morgan Stanley is a director of Alphabet Inc., eBay Inc. This person is not a research analyst or a member of a research analyst's household.

Morgan Stanley & Co. LLC makes a market in the securities of Airbnb Inc, Alphabet Inc., Amazon.com Inc, AppLovin Corp, Booking Holdings Inc, Bumble Inc., Compass, Inc., Criteo SA, DoubleVerify Holdings Inc, Duolingo Inc, eBay Inc, Electronic Arts Inc, Etsy Inc, Expedia Inc., FIGS, Inc., Integral Ad Science Holding Corp., Match Group Inc, Meta Platforms Inc, Nextdoor Holdings Inc, Opendoor Technologies Inc, Playtika Holding Corp, Revolve Group Inc, Shutterstock Inc, Take-Two Interactive Software, WW International Inc, Yelp Inc, Zillow Group Inc.

The equity research analysts or strategists principally responsible for the preparation of Morgan Stanley Research have received compensation based upon various factors, including quality of research, investor client feedback, stock picking, competitive factors, firm revenues and overall investment banking revenues. Equity Research analysts' or strategists' compensation is not linked to investment banking or capital markets transactions performed by Morgan Stanley or the profitability or revenues of particular trading desks.

Morgan Stanley and its affiliates do business that relates to companies/instruments covered in Morgan Stanley Research, including market making, providing liquidity, fund management, commercial banking, extension of credit, investment services and investment banking. Morgan Stanley sells to and buys from customers the securities/instruments of companies covered in Morgan Stanley Research on a principal basis. Morgan Stanley may have a position in the debt of the Company or instruments discussed in this report. Morgan Stanley trades or may trade as principal in the debt securities (or in related derivatives) that are the subject of the debt research report.

Certain disclosures listed above are also for compliance with applicable regulations in non-US jurisdictions.

## **STOCK RATINGS**



Morgan Stanley uses a relative rating system using terms such as Overweight, Equal-weight, Not-Rated or Underweight (see definitions below). Morgan Stanley does not assign ratings of Buy, Hold or Sell to the stocks we cover. Overweight, Equal-weight, Not-Rated and Underweight are not the equivalent of buy, hold and sell. Investors should carefully read the definitions of all ratings used in Morgan Stanley Research. In addition, since Morgan Stanley Research contains more complete information concerning the analyst's views, investors should carefully read Morgan Stanley Research, in its entirety, and not infer the contents from the rating alone. In any case, ratings (or research) should not be used or relied upon as investment advice. An investor's decision to buy or sell a stock should depend on individual circumstances (such as the investor's existing holdings) and other considerations.

## **Global Stock Ratings Distribution**

(as of April 30, 2025)

The Stock Ratings described below apply to Morgan Stanley's Fundamental Equity Research and do not apply to Debt Research produced by the Firm.

For disclosure purposes only (in accordance with FINRA requirements), we include the category headings of Buy, Hold, and Sell alongside our ratings of Overweight, Equal-weight, Not-Rated and Underweight. Morgan Stanley does not assign ratings of Buy, Hold or Sell to the stocks we cover. Overweight, Equal-weight, Not-Rated and Underweight are not the equivalent of buy, hold, and sell but represent recommended relative weightings (see definitions below). To satisfy regulatory requirements, we correspond Overweight, our most positive stock rating, with a buy recommendation; we correspond Equal-weight and Not-Rated to hold and Underweight to sell recommendations, respectively.

	Coverag	je Universe	Investment Banking Clients (IBC)		s (IBC)	Other Material Investment Serv Clients (MISC)	
Stock Rating Category	Count	% of Total	Count	% of Total IBC	% of Rating Category	Count	% of Total Other MISC
Overweight/Buy	1501	40%	377	46%	25%	691	40%
Equal-weight/Hold	1667	44%	375	45%	22%	796	46%
Not-Rated/Hold	3	0%	0	0%	0%	1	0%
Underweight/Sell	603	16%	76	9%	13%	229	13%
Total	3,774		828			1717	

Data include common stock and ADRs currently assigned ratings. Investment Banking Clients are companies from whom Morgan Stanley received investment banking compensation in the last 12 months. Due to rounding off of decimals, the percentages provided in the "% of total" column may not add up to exactly 100 percent.

## **Analyst Stock Ratings**

Overweight (O). The stock's total return is expected to exceed the average total return of the analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next 12-18 months.

Equal-weight (E). The stock's total return is expected to be in line with the average total return of the analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next 12-18 months.

Not-Rated (NR). Currently the analyst does not have adequate conviction about the stock's total return relative to the average total return of the analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next 12-18 months.

Underweight (U). The stock's total return is expected to be below the average total return of the analyst's industry (or industry team's) coverage universe, on a risk-adjusted basis, over the next

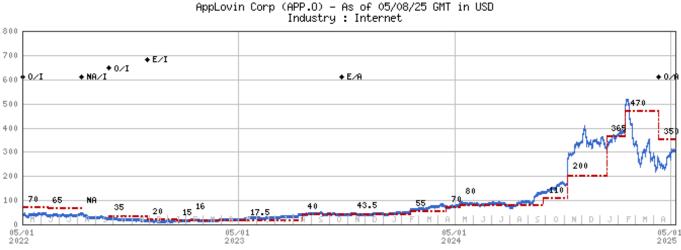
Unless otherwise specified, the time frame for price targets included in Morgan Stanley Research is 12 to 18 months.

#### **Analyst Industry Views**

Attractive (A): The analyst expects the performance of his or her industry coverage universe over the next 12-18 months to be attractive vs. the relevant broad market benchmark, as indicated below.

In-Line (I): The analyst expects the performance of his or her industry coverage universe over the next 12-18 months to be in line with the relevant broad market benchmark, as indicated below. Cautious (C): The analyst views the performance of his or her industry coverage universe over the next 12-18 months with caution vs. the relevant broad market benchmark, as indicated below. Benchmarks for each region are as follows: North America - S&P 500; Latin America - relevant MSCI country index or MSCI Latin America Index; Europe - MSCI Europe; Japan - TOPIX; Asia - relevant MSCI country index or MSCI sub-regional index or MSCI Ac Asia Pacific ex Japan Index.

#### Stock Price, Price Target and Rating History (See Rating Definitions)



Stock Rating History: 5/1/20 : /I; 5/10/21 : 0/I; 6/30/21 : U/I; 8/16/21 : E/I; 12/13/21 : 0/I; 8/9/22 : NA/I; 9/23/22 : 0/I; 11/27/22 : E/I; 10/22/23 : E/B; 4/10/25 : 0/A

Price Target History: 5/10/21 : 75; 5/12/21 : 68; 8/16/21 : 60; 9/28/21 : 80; 11/10/21 : 87; 12/13/21 : 120; 2/16/22 : 100; 4/28/22 : 70; 6/12/22 : 65; 8/9/22 : NA; 9/23/22 : 35; 11/27/22 : 20; 1/17/23 : 15; 2/8/23 : 16; 5/11/23 : 17.5; 8/16/23 : 40; 11/9/23 : 43.5; 2/15/24 : 55; 4/16/24 : 70; 5/9/24 : 80; 9/27/24 : 110; 11/7/24 : 200; 1/12/25 : 365; 2/13/25 : 470; 4/10/25 : 350

Source: Morgan Stanley Research Date Format: MM/DD/YY Price Target → No Price Target Assigned (NA)
Stock Price (Not Covered by Current Analyst) → Stock Price (Covered by Current Analyst) →
Stock and Industry Ratings (abbreviations below) appear as ◆ Stock Rating/Industry View
Stock Ratings: Overweight (O) Equal-weight (E) Underweight (U) Not-Rated (NR) No Rating Available (NA)

Industry View: Attractive (A) In-line (I) Cautious (C) No Rating (NR)
Effective January 13, 2014, the stocks covered by Morgan Stanley Asia Pacific will be rated relative to the analyst's industry
(or industry team's) coverage.

Effective January 13, 2014, the industry view benchmarks for Morgan Stanley Asia Pacific are as follows: relevant MSCI country index or MSCI sub-regional index or MSCI AC Asia Pacific ex Japan Index.

#### Important Disclosures for Morgan Stanley Smith Barney LLC Customers

Important disclosures regarding the relationship between the companies that are the subject of Morgan Stanley Research and Morgan Stanley Smith Barney LLC or Morgan Stanley or any of their affiliates, are available on the Morgan Stanley Wealth Management disclosure website at www.morganstanley.com/online/researchdisclosures. For Morgan Stanley specific disclosures, you may refer to www.morganstanley.com/researchdisclosures.

Each Morgan Stanley research report is reviewed and approved on behalf of Morgan Stanley Smith Barney LLC. This review and approval is conducted by the same person who reviews the research report on behalf of Morgan Stanley. This could create a conflict of interest.

#### **Other Important Disclosures**

A member of Research who had or could have had access to the research prior to completion owns securities (or related derivatives) in the Uber Technologies Inc. This person is not a research analyst or a member of research analyst's household.

Morgan Stanley Research policy is to update research reports as and when the Research Analyst and Research Management deem appropriate, based on developments with the issuer, the sector, or the market that may have a material impact on the research views or opinions stated therein. In addition, certain Research publications are intended to be updated on a regular periodic basis (weekly/monthly/quarterly/annual) and will ordinarily be updated with that frequency, unless the Research Analyst and Research Management determine that a different publication schedule is appropriate based on current conditions.

Morgan Stanley is not acting as a municipal advisor and the opinions or views contained herein are not intended to be, and do not constitute, advice within the meaning of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act.

Morgan Stanley produces an equity research product called a "Tactical Idea." Views contained in a "Tactical Idea" on a particular stock may be contrary to the recommendations or views expressed in research on the same stock. This may be the result of differing time horizons, methodologies, market events, or other factors. For all research available on a particular stock, please contact your sales representative or go to Matrix at http://www.morganstanley.com/matrix.

Morgan Stanley Research is provided to our clients through our proprietary research portal on Matrix and also distributed electronically by Morgan Stanley to clients. Certain, but not all, Morgan Stanley Research products are also made available to clients through third-party vendors or redistributed to clients through alternate electronic means as a convenience. For access to all available Morgan Stanley Research, please contact your sales representative or go to Matrix at http://www.morganstanley.com/matrix.

Any access and/or use of Morgan Stanley Research is subject to Morgan Stanley's Terms of Use (http://www.morganstanley.com/terms.html). By accessing and/or using Morgan Stanley Research, you are indicating that you have read and agree to be bound by our Terms of Use (http://www.morganstanley.com/terms.html). In addition you consent to Morgan Stanley processing your personal data and using cookies in accordance with our Privacy Policy and our Global Cookies Policy (http://www.morganstanley.com/privacy\_pledge.html), including for the purposes of setting your preferences and to collect readership data so that we can deliver better and more personalized service and products to you. To find out more information about how Morgan Stanley processes personal data, how we use cookies and how to reject cookies see our Privacy Policy and our Global Cookies Policy (http://www.morganstanley.com/privacy\_pledge.html).

If you do not agree to our Terms of Use and/or if you do not wish to provide your consent to Morgan Stanley processing your personal data or using cookies please do not access our research. Morgan Stanley Research does not provide individually tailored investment advice. Morgan Stanley Research has been prepared without regard to the circumstances and objectives of those



who receive it. Morgan Stanley recommends that investors independently evaluate particular investments and strategies, and encourages investors to seek the advice of a financial adviser. The appropriateness of an investment or strategy will depend on an investor's circumstances and objectives. The securities, instruments, or strategies discussed in Morgan Stanley Research may not be suitable for all investors, and certain investors may not be eligible to purchase or participate in some or all of them. Morgan Stanley Research is not an offer to buy or sell or the solicitation of an offer to buy or sell any security/instrument or to participate in any particular trading strategy. The value of and income from your investments may vary because of changes in interest rates, foreign exchange rates, default rates, prepayment rates, securities/instruments prices, market indexes, operational or financial conditions of companies or other factors. There may be time limitations on the exercise of options or other rights in securities/instruments transactions. Past performance is not necessarily a guide to future performance. Estimates of future performance are based on assumptions that may not be realized. If provided, and unless otherwise stated, the closing price on the cover page is that of the primary exchange for the subject company's securities/instruments.

The fixed income research analysts, strategists or economists principally responsible for the preparation of Morgan Stanley Research have received compensation based upon various factors, including quality, accuracy and value of research, firm profitability or revenues (which include fixed income trading and capital markets profitability or revenues), client feedback and competitive factors. Fixed Income Research analysts', strategists' or economists' compensation is not linked to investment banking or capital markets transactions performed by Morgan Stanley or the profitability or revenues of particular trading desks.

The "Important Regulatory Disclosures on Subject Companies" section in Morgan Stanley Research lists all companies mentioned where Morgan Stanley owns 1% or more of a class of common equity securities of the companies. For all other companies mentioned in Morgan Stanley Research, Morgan Stanley may have an investment of less than 1% in securities/instruments or derivatives of securities/instruments of companies and may trade them in ways different from those discussed in Morgan Stanley Research. Employees of Morgan Stanley not involved in the preparation of Morgan Stanley Research may have investments in securities/instruments or derivatives of securities/instruments of companies mentioned and may trade them in ways different from those discussed in Morgan Stanley Research. Derivatives may be issued by Morgan Stanley or associated persons.

With the exception of information regarding Morgan Stanley, Morgan Stanley Research is based on public information. Morgan Stanley makes every effort to use reliable, comprehensive information, but we make no representation that it is accurate or complete. We have no obligation to tell you when opinions or information in Morgan Stanley Research change apart from when we intend to discontinue equity research coverage of a subject company. Facts and views presented in Morgan Stanley Research have not been reviewed by, and may not reflect information known to, professionals in other Morgan Stanley business areas, including investment banking personnel.

Morgan Stanley Research personnel may participate in company events such as site visits and are generally prohibited from accepting payment by the company of associated expenses unless pre-approved by authorized members of Research management.

 $Morgan\ Stanley\ may\ make\ investment\ decisions\ that\ are\ inconsistent\ with\ the\ recommendations\ or\ views\ in\ this\ report.$ 

To our readers based in Taiwan or trading in Taiwan securities/instruments: Information on securities/instruments that trade in Taiwan is distributed by Morgan Stanley Taiwan Limited (\*MSTL\*). Such information is for your reference only. The reader should independently evaluate the investment risks and is solely responsible for their investment decisions. Morgan Stanley Research may not be distributed to the public media or quoted or used by the public media without the express written consent of Morgan Stanley. Any non-customer reader within the scope of Article 7-1 of the Taiwan Stock Exchange Recommendation Regulations accessing and/or receiving Morgan Stanley Research is not permitted to provide Morgan Stanley Research to any third party (including but not limited to related parties, affiliated companies and any other third parties) or engage in any activities regarding Morgan Stanley Research which may create or give the appearance of creating a conflict of interest. Information on securities/instruments that do not trade in Taiwan is for informational purposes only and is not to be construed as a recommendation or a solicitation to trade in such securities/instruments. MSTL may not execute transactions for clients in these securities/instruments.

Morgan Stanley is not incorporated under PRC law and the research in relation to this report is conducted outside the PRC. Morgan Stanley Research does not constitute an offer to sell or the solicitation of an offer to buy any securities in the PRC. PRC investors shall have the relevant qualifications to invest in such securities and shall be responsible for obtaining all relevant approvals, licenses, verifications and/or registrations from the relevant governmental authorities themselves. Neither this report nor any part of it is intended as, or shall constitute, provision of any consultancy or advisory service of securities investment as defined under PRC law. Such information is provided for your reference only.

Morgan Stanley Research is disseminated in Brazil by Morgan Stanley C.T.V.M. S.A. located at Av. Brigadeiro Faria Lima, 3600, 6th floor, São Paulo - SP, Brazil; and is regulated by the Comissão de Valores Mobiliários; in Mexico by Morgan Stanley México, Casa de Bolsa, S.A. de C.V which is regulated by Comision Nacional Bancaria y de Valores. Paseo de los Tamarindos 90, Torre 1, Col. Bosques de las Lomas Floor 29, 05120 Mexico City; in Japan by Morgan Stanley MUFG Securities Co., Ltd. and, for Commodities related research reports only, Morgan Stanley Capital Group Japan Co., Ltd; in Hong Kong by Morgan Stanley Asia Limited (which accepts responsibility for its contents) and by Morgan Stanley Bank Asia Limited; in Singapore by Morgan Stanley Asia (Singapore) Pte. (Registration number 199206298Z) and/or Morgan Stanley Asia (Singapore) Securities Pte Ltd (Registration number 200008434H), regulated by the Monetary Authority of Singapore (which accepts legal responsibility for its contents and should be contacted with respect to any matters arising from, or in connection with, Morgan Stanley Research) and by Morgan Stanley Bank Asia Limited, Singapore Branch (Registration number T14FC0118)); in Australia to "wholesale clients" within the meaning of the Australian Corporations Act by Morgan Stanley Australia Limited A.B.N. 67 003 734 576, holder of Australian financial services license No. 233742, which accepts responsibility for its contents; in Australia to "wholesale clients" and "retail clients" within the meaning of the Australian Corporations Act by Morgan Stanley Wealth Management Australia Pty Ltd (A.B.N. 19 009 145 555, holder of Australian financial services license No. 240813, which accepts responsibility for its contents; in Korea by Morgan Stanley & Co International plc, Seoul Branch; in India by Morgan Stanley India Company Private Limited having Corporate Identification No (CIN) U22990MH1998PTC115305, regulated by the Securities and Exchange Board of India ("SEBI") and holder of licenses as a Research Analyst (SEBI Registration No. INHO00001105); Stock Broker (SEBI Stock Broker Registration No. INZ000244438), Merchant Banker (SEBI Registration No. INM000011203), and depository participant with National Securities Depository Limited (SEBI Registration No. IN-DP-NSDL-567-2021) having registered office at Altimus, Level 39 & 40, Pandurang Budhkar Marg, Worli, Mumbai 400018, India; Telephone no. +91-22-61181000; Compliance Officer Details: Mr. Tejarshi Hardas, Tel. No.: +91-22-61181000 or Email: tejarshi.hardas@morganstanley.com; Grievance officer details: Mr. Tejarshi Hardas, Tel. No.: +91-22-61181000 or Email: msic-compliance@morganstanley.com. Morgan Stanley India Company Private Limited (MSICPL) may use AI tools in providing research services. All recommendations contained herein are made by the duly qualified research analysts; in Canada by Morgan Stanley Canada Limited; in Germany and the European Economic Area where required by Morgan Stanley Europe S.E., authorised and regulated by Bundesanstalt fuer Finanzdienstleistungsaufsicht (BaFin) under the reference number 149169; in the US by Morgan Stanley & Co. LLC, which accepts responsibility for its contents. Morgan Stanley & Co. International plc, authorized by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority, disseminates in the UK research that it has prepared, and research which has been prepared by any of its affiliates, only to persons who (i) are investment professionals falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Order"); (ii) are persons who are high net worth entities falling within Article 49(2)(a) to (d) of the Order; or (iii) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the Financial Services and Markets Act 2000, as amended) may otherwise lawfully be communicated or caused to be communicated. RMB Morgan Stanley Proprietary Limited is a member 10 of the Financial Services and Markets Act 2000, as amended and the standard or caused to be communicated. The standard or caused to be communicated and the standard or caused to be communicated. The standard or caused to be communicated and the standard or caused to be communicated and the standard or caused to be communicated. The standard or caused to be communicated and the standard or caused to be communicated and the standard or caused to be communicated. The standard or caused to be communicated and the standardof the JSE Limited and A2X (Pty) Ltd. RMB Morgan Stanley Proprietary Limited is a joint venture owned equally by Morgan Stanley International Holdings Inc. and RMB Investment Advisory (Proprietary) Limited, which is wholly owned by FirstRand Limited. The information in Morgan Stanley Research is being disseminated by Morgan Stanley Saudi Arabia, regulated by the Capital Market Authority in the Kingdom of Saudi Arabia, and is directed at Sophisticated investors only.

The information in Morgan Stanley Research is being communicated by Morgan Stanley & Co. International plc (DIFC Branch), regulated by the Dubai Financial Services Authority (the DFSA)



or by Morgan Stanley & Co. International plc (ADGM Branch), regulated by the Financial Services Regulatory Authority Abu Dhabi (the FSRA), and is directed at Professional Clients only, as defined by the DFSA or the FSRA, respectively. The financial products or financial services to which this research relates will only be made available to a customer who we are satisfied meets the regulatory criteria of a Professional Client. A distribution of the different MS Research ratings or recommendations, in percentage terms for Investments in each sector covered, is available upon request from your sales representative.

The information in Morgan Stanley Research is being communicated by Morgan Stanley & Co. International plc (QFC Branch), regulated by the Qatar Financial Centre Regulatory Authority (the QFCRA), and is directed at business customers and market counterparties only and is not intended for Retail Customers as defined by the QFCRA.

As required by the Capital Markets Board of Turkey, investment information, comments and recommendations stated here, are not within the scope of investment advisory activity. Investment advisory service is provided exclusively to persons based on their risk and income preferences by the authorized firms. Comments and recommendations stated here are general in nature. These opinions may not fit to your financial status, risk and return preferences. For this reason, to make an investment decision by relying solely to this information stated here may not bring about outcomes that fit your expectations.

The trademarks and service marks contained in Morgan Stanley Research are the property of their respective owners. Third-party data providers make no warranties or representations relating to the accuracy, completeness, or timeliness of the data they provide and shall not have liability for any damages relating to such data. The Global Industry Classification Standard (GICS) was developed by and is the exclusive property of MSCI and S&P.

Morgan Stanley Research, or any portion thereof may not be reprinted, sold or redistributed without the written consent of Morgan Stanley.

Indicators and trackers referenced in Morgan Stanley Research may not be used as, or treated as, a benchmark under Regulation EU 2016/1011, or any other similar framework.

The issuers and/or fixed income products recommended or discussed in certain fixed income research reports may not be continuously followed. Accordingly, investors should regard those fixed income research reports as providing stand-alone analysis and should not expect continuing analysis or additional reports relating to such issuers and/or individual fixed income products. Morgan Stanley may hold, from time to time, material financial and commercial interests regarding the company subject to the Research report.

Registration granted by SEBI and certification from the National Institute of Securities Markets (NISM) in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

#### **INDUSTRY COVERAGE: Internet**

COMPANY (TICKER)	RATING (AS OF)	PRICE* (05/07/2025)
Brian Nowak, CFA		
Airbnb Inc (ABNB.O)	U (12/06/2022)	\$123.12
Alphabet Inc. (GOOGL.O)	O (08/11/2015)	\$151.38
Amazon.com Inc (AMZN.0)	O (04/24/2015)	\$188.71
Booking Holdings Inc (BKNG.0)	E (01/09/2019)	\$5,196.24
DoorDash Inc (DASH.0)	O (02/21/2024)	\$176.99
Expedia Inc. (EXPE.0)	E (01/09/2019)	\$166.56
Instacart (CART.O)	E (01/29/2024)	\$45.73
Lyft Inc (LYFT.0)	E (10/24/2019)	\$12.59
Meta Platforms Inc (META.O)	O (03/20/2023)	\$596.81
Nextdoor Holdings Inc (KIND.N)	E (02/24/2022)	\$1.51
Pinterest Inc (PINS.N)	E (03/28/2022)	\$27.34
Reddit Inc (RDDT.N)	0 (12/08/2024)	\$105.53
Snap Inc. (SNAP.N)	E (07/22/2024)	\$8.13
Uber Technologies Inc (UBER.N)	O (06/04/2019)	\$83.65
Matthew Cost		
AppLovin Corp (APP.0)	O (04/10/2025)	\$303.46
Compass, Inc. (COMP.N)	E (07/20/2022)	\$7.65
Criteo SA (CRTO.O)	E (01/26/2016)	\$27.66
DoubleVerify Holdings Inc (DV.N)	E (06/25/2024)	\$13.54
Electronic Arts Inc (EA.O)	E (08/04/2021)	\$155.50
Integral Ad Science Holding Corp. (IAS.0)	E (04/16/2024)	\$7.38
Opendoor Technologies Inc (OPEN.O)	E (07/24/2023)	\$0.87
Playtika Holding Corp (PLTK.O)	E (11/27/2022)	\$5.43
Roblox Corporation (RBLX.N)	0 (11/04/2024)	\$70.44
Shutterstock Inc (SSTK.N)	E (07/28/2022)	\$17.34
Take-Two Interactive Software (TTWO.0)	0 (02/01/2018)	\$226.34
Trade Desk Inc (TTD.0)	0 (06/01/2023)	\$56.46
Unity Software Inc (U.N)	0 (09/02/2024)	\$20.66
Webtoon Entertainment Inc (WBTN.0)	E (07/22/2024)	\$9.26
Yelp Inc (YELP.N)	U (01/10/2019)	\$35.53

Zillow Group Inc (Z.0)	llow Group Inc (Z.O) E (04/18/2018)	
Nathan Feather		
Bumble Inc. (BMBL.O)	E (03/08/2021)	\$4.39
Chewy Inc (CHWY.N)	O (10/31/2023)	\$38.35
Duolingo Inc (DUOL.0)	O (04/23/2025)	\$495.56
eBay Inc (EBAY.O)	O (04/18/2024)	\$69.76
Etsy Inc (ETSY.0)	U (04/18/2024)	\$45.92
FIGS, Inc. (FIGS.N)	E (02/29/2024)	\$4.89
Match Group Inc (MTCH.0)	E (04/18/2024)	\$30.38
Peloton Interactive, Inc. (PTON.0)	E (03/14/2022)	\$6.98
Revolve Group Inc (RVLV.N)	E (10/20/2024)	\$17.07
WW International Inc (WW.O)	E (07/26/2024)	\$0.45

Stock Ratings are subject to change. Please see latest research for each company.

# © 2025 Morgan Stanley

<sup>\*</sup> Historical prices are not split adjusted.