

Payments, Processors & IT Services

Visa Inc

Rating

Outperform

Price Target



450.00 USD



Harshita Rawat, CFA
+1 917 344 8485
harshita.rawat@bernsteinsg.com



Viola Chen
+1 917 344 8614
viola.chen@bernsteinsg.com



Simran Ratani
+1 917 344 8329
simran.ratani@bernsteinsg.com

Visa: Reflections on our Fireside Chat with CEO Ryan McInerney

We hosted Visa's CEO Ryan McInerney for a fireside chat at our Strategic Decisions Conference last week. Key topics discussed included 1) Value-Added Services (what are they and what is Visa's right to win?), 2) Agentic Commerce and Visa's opportunity, 3) Autonomous agent payments (and Visa's nimbleness around product and commercial models), 4) Stablecoin-linked cards' enormous growth & stablecoins' product market fit in consumer payments, and 5) Visa's opportunity set in consumer and commercial payments. This note contains our key insights from that call (see next page for details).

Controversies (e.g., agentic, stablecoins) have historically come and gone for Visa. However, we believe the biggest fundamental question with regard to Visa is around the growth runway for value added services (VAS). **Overall, we came away incrementally bullish around Visa's growth prospects and right to win in the seemingly amorphous value-added services.** Visa is simply shipping more product at a higher velocity with greater product-market-fit, and leveraging its existing distribution model to scale value-added services across its ecosystem of issuers and acquirers. Tokens not only solidify Visa's moat but also provide an avenue for value-added services distribution. **Ryan believes that VAS is a significantly bigger opportunity vs. consumer payments. Note that the four key areas include issuing** (we est. ~40% of VAS based on 2024 disclosures), **acceptance** (we est. ~28% of VAS as of 2024), **risk and security** (we est. 17% of VAS) and **advisory/other**.

Agentic Commerce is often discussed as a potential risk for Visa. It's very much the opposite (more digitization, transactions & VAS). In the agentic world (where trust will be scarce), cards (with array of services, 5B+ credentials, 100m+ merchants) will quite likely be the payment method of choice. **Visa can also easily adjust its commercial models to accommodate autonomous agent microtransactions** (a new flow). There is then the **optionality with B2B where agentic commerce has the strongest product market fit.**

Stablecoins, similarly, are firmly in the opportunity camp - Visa is the interoperability layer between blockchain infra and the real-world. **The best product market fit for stablecoins in consumer payments is, ironically, a stablecoin-linked Visa card**, volumes on which are growing rapidly. Visa is also using stablecoins as a settlement infrastructure (largely for crypto native companies we believe).

Investment Implications

We rate Visa OP. **Details from the call are on the next page.**

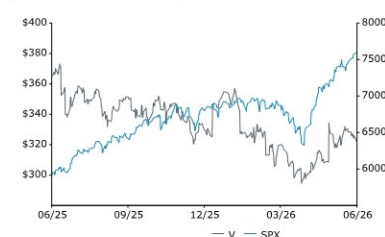
Adjusted EPS	F25A	F26E	F27E	Financials	F25A	F26E	F27E	CAGR	Valuation Metrics	F25A	F26E	F27E
V (USD)	11.47	13.17	15.16	Revenues (M)	40,000	45,659	51,078	13.0%	Adjusted P/E (x)	28.1	24.5	21.3

Source: Bloomberg, Bernstein estimates and analysis.

Close Date	1 Jun 2026
V Close Price (USD)	322.77
Price Target (USD)	450.00
Upside/(Downside)	39%
52-Week Range	375.51/293.89
SPX	7,599.96
FYE	Sep
Div Yield	0.8%
Market Cap (USD) (M)	623,065
EV (USD) (M)	628,176
Performance	YTD 1M 6M 12M
Absolute (%)	(8.0) (1.6) (2.3) (11.6)
SPX (%)	11.0 5.1 11.6 28.6
Relative (%)	(19.0) (6.7) (13.9) (40.2)

Source: Bloomberg, Bernstein estimates and analysis.

Price Performance, 1YR



DETAILS

Key highlights:

- **Stable consumer spending; slight improvement in May:** During our conversation, Ryan highlighted that consumer spending remains robust, with broad-based resilience across discretionary/non-discretionary categories, income cohorts and geos. Further, based on numbers updated mid-May, Visa also saw slight improvement across US domestic spending, payment transactions and cross-border (through today).
- **Visa's accelerated product velocity AND improved product-market fit is resulting in greater adoption of products.** One of the notable changes at Visa since Ryan took over, in our view, has been improved product velocity, and increased frequency of partnerships across the ecosystem (somewhat related to product velocity).
 - When Ryan took over as Visa's CEO, he conducted a re-org around how Visa designs, builds and ships products, and re-oriented product development to align more with Visa's 3 pillars i.e. consumer payments, value-added services and commercial and money movement solutions. Visa also realigned its scrum teams and redesigned product development cycle, aligned incentives and shared OKRs across teams to improve execution.
 - The adoption of AI/Agentic tools has improved go-to-market speed, product quality and the pace of innovation. Visa is integrating regional client/country manager feedback in early development, which is helping improve product market fit and adoption.
 - Ryan provided the example of a recent important innovation, Flex Credentials, which is seeing strong adoption across financial institutions, fintechs, BNPL, crypto players, etc.
- **The rise of agents can accelerate digitization (especially in B2B), result in higher transaction growth, and create new commerce flows around autonomous agent transactions - the areas where Visa has a right to win.** Ryan noted that while still in the early stages, Agentic Commerce will represent a significant wave of digitization globally - similar to the previous waves of mCommerce/eCommerce, which helped Visa. Agentic will also result in incremental transactions e.g., as baskets may get split. There is also optionality within entirely new economic constructs such as agent-to-agent transactions (e.g., very small ticket transactions for compute, tokens, images). Agentic can also accelerate B2B digitization with real value being provided to buyers and sellers - in Ryan's view, this segment has the best product market fit for agentic commerce.
- **Ryan highlighted that Visa credentials are also better-positioned (vs. other payment methods) in agentic commerce,** as they offer broad-based acceptance, well-established rules and criteria, customer protections for returns, frauds across its ecosystem of 5B+ credentials across 200M merchant locations globally. This is different vs. say a stablecoin, which provides instant irrevocable transaction without broad based acceptance or rules around disputes, etc. Ryan noted *"The Visa platform is purpose-built in many ways for the rise of what's going to happen in terms of agentic commerce."* **The limiting factor for agentic commerce will be trust, which is what Visa brings to the table.**
- We also discussed in detail, the new economic construct around agent-to-agent micro-transactions where the command line interface or CLI becomes a commerce platform e.g., for agents buying compute, images, tokens or interacting with APIs. Visa is building the ability for people to be able to load their Visa card into the CLI, and have their agents autonomously make purchases (including very small ticket transactions). **As these models evolve, Visa will be flexible with their pricing models to ensure they remain the best way to pay for small transactions.** Visa has done this historically to make transit and vending machine small-ticket transactions addressable.
- See our note: [Visa, Mastercard: Payments-ocalypse, will AI doom the networks?](#) (February 2026) and [The Age of Agents: Insights from our Inaugural Agentic Commerce Day](#) (April 2026)
- **The best product-market fit for stablecoins in consumer payments is a stablecoin-linked Visa card.**
 - One of the areas where there is product-market fit for stablecoins is for consumers in countries, where there is desirability to hold U.S. dollar denominated accounts (e.g., Argentina). By issuing Visa cards on top of those stablecoin-linked accounts in those countries, Visa is providing consumer utility in everyday payments. Visa currently has ~150-160 stablecoin-linked card programs and volumes there are growing very quickly (200% yoy growth last quarter).

- Another area where Visa is seeing product-market fit for stablecoins is B2B cross-border, and Visa is using stablecoins themselves here. Visa is leveraging stablecoins for cross-border settlement, enabling 24*7 settlement. While volumes are still in the single-digit billions, they are growing fast and offers liquidity/collateral benefits for Visa's customers.
- Visa is also playing a leadership role on multiple emerging blockchains (e.g. Tempo, Canton) and expects some incremental innovations coming out of Visa's product roadmap built on these blockchains.
- See our note: [Payments: Stablecoins — What we learned from our dozens of industry conversations; Slide deck](#) (May 2026)
- **Value-added services is a much bigger opportunity, compared to Visa's core consumer payments.** Value-added services are now ~30% of Visa's revenues, growing ~27% in the recent quarter. Ryan went into the details of each:
 - **1) Issuing** (~40% of VAS as per 2024 disclosures) where Visa designs and ships products and services to help banks/fintechs issue and manage Visa credentials. An example would be issuer processing e.g., DPS for debit processing and Pismo, their cloud native issuer processor. Other examples include card engagement (e.g., card benefits) and experiences services (network products, digital enablement), etc.
 - **2) Acceptance** (~28% of VAS as per 2024 disclosures) e.g. CyberSource that provides white-labeled services for acquirers globally. With Cybersource, Visa essentially, takes the tech development roadmap off the shoulders of some of their acquirer customers globally (shows up in the market as white-labeled Visa acceptance products). Other examples include credential management, post purchase services, etc.
 - **3) Risk and Security** (~17% of VAS as per 2024 disclosures) include services to all players in the value chain, where Visa provides scoring algorithm to help them manage fraud, security and cyber risks. An example would be Visa Authorization score, that uses 400+ data elements to determine whether it is truly you who is trying to make the payment (which becomes increasingly important in an agentic world)
 - **4) Advisory** (~15% of VAS as per 2024 disclosures) e.g. data analytics, marketing services, strategy services. This also includes providing marketing using Visa's sponsorship assets such as FIFA and the Olympics.
 - **What is Visa's right to win?** Visa is selling into existing commercial relationships (where Visa is often a very trusted partner). Visa is also shipping organic products in each of these verticals, and buying companies which it can put into its distribution model (e.g., Pismo and Featurespace). Ryan highlighted that the TAM for these value-added services is enormous and Visa competes with legacy players that lack sophistication. Tokens (17.5B+, up from ~2B 5yrs ago) also provide Visa's the platform to distribute its services and innovation. We also note that Visa has also recently begun to price for value for tokens (there is more runway ahead).
- **Commercial and Money Movement - growing steadily with momentum in lucrative cross-border flows:** Ryan highlighted that CMS is currently a ~\$2T business, growing at 11% YoY and gaining momentum, particularly in cross-border. Visa is also driving expansion by enabling customers to convert to small business cards, issuing more virtual cards (e.g., travel partnerships and recent Trip.com win) and increasing adoption within B2B flows. With Visa Commercial Choice, it is enabling flexible pricing to unlock acceptance and drive volume growth.
- **Finally, Visa still sees a significant growth opportunity within its core consumer payments** of \$20T, with ~\$11T in cash/check and the remaining in domestic schemes, ACH, etc. where Visa has an opportunity to gain share. Further, even in countries with low-cash penetration (e.g., Canada, South Korea, Norway, New Zealand), Visa has continued to grow faster vs underlying consumer spend. With more capabilities across eComm, mComm and emerging agentic use-cases, Visa is gaining share vs domestic schemes, supporting long-term growth opportunity. **See our note: [Long View: Payments — Cash-to-card conversion runway; revising our volume forecasts down](#).**
- Europe continues to be a significant opportunity for Visa. Visa continues to gain share in the market that still presents a \$2T TAM in cash. In the past 5–6 years, Visa has invested in the market (doubled the number of people, 50% more offices), strengthened client relationships and brought new products to market, leading to growth, a shift in share and wins for the company.

- On payments nationalism question, Ryan noted that there has been a lot of focus from their clients, regulators and policymakers on payments and its role in driving economic activity, not just in Europe but globally. Visa is fully committed to Europe, and that is reflected in its investments, focus and scalable solutions for both buyers and sellers. More recently, Visa has also announced an incremental investment of €500M over the next 10 years, a new innovation hub, a new Cyber Fusion hub and an additional data center in Europe.
- See our note: [Payments: Europe — the secular growth opportunity](#) (March 2024)

OUR THESIS ON VISA

We like Visa (OP) more now vs. 5 years ago on greater conviction re the runway for DD revenue growth algorithm driven by value-added services, competitive moat (disruptors are often partners) and A2A risks more contained than we thought. We are also genuinely excited about the proliferation of tokens. A Visa card is now mapped to 3 tokens on average, vs. < 0.5 5 years ago. More tokens = more moat, more value-added services and more pricing power while at the same time strengthening the ecosystem and enabling new use-cases. Finally, Visa is innovating at a faster pace vs. history turning foes into partners for growth e.g., with flex credentials (often used by fintechs and BNPL players), stablecoins (card issuance in 50 countries, expanded USDC settlement capabilities, payouts). Agentic remains a huge focus area and we believe the next 'Apple Pay' moment for cards. Meanwhile, the valuation is in the bottom 5th percentile vs. history - both on an absolute and relative basis.

PLEASE SEE BELOW LINKS TO OUR KEY RESEARCH:

- [Payments: Stablecoins — What we learned from our dozens of industry conversations; Slide deck](#) (May 2026)
- [Visa, Mastercard: Numbers look good but will it matter?](#) (April 2026)
- [Visa, Mastercard: The bull case; slide deck from deep dive call on Agentic, Stablecoins, VAS and Regulation](#) (March 2026)
- [The Age of Agents: Insights from our Inaugural Agentic Commerce Day](#) (April 2026)
- [Payments: Mastercard's BVNK acquisition; what Stablecoins truly mean for payments](#) (March 2026)
- [Visa, Mastercard: Payments-ocalypse, will AI doom the networks?](#) (February 2026)
- [Payments: The growing regulatory risk premium? But will the numbers be impacted in the medium-term?](#)
- [Payments/Fintech 2026: A year to remember? Top themes and stock ideas](#) (January 2026)
- [Visa, Mastercard: Why we like the networks more now vs. 5yrs ago](#) (October 2025)
- [Stablecoins: Let's Play Out a Scenario for Disruption in Consumer Payments..](#) (June 2025)
- [Payments: What happens in a recession?](#) (Mar 2025)

APPENDIX - FINANCIAL FORECASTS

EXHIBIT 1: Visa - Income Statement

Income Statement (\$,mm) - Visa	2019	2020	2021	2022	2023	2024	2025	2026E	2027E	2028E
Revenue										
Service revenues	9,700	9,804	11,475	13,361	14,826	16,114	17,539	19,765	21,625	23,609
Data processing revenues	10,333	10,975	12,792	14,438	16,007	17,714	19,993	22,786	24,947	27,213
International transaction revenues	7,804	6,299	6,530	9,815	11,638	12,665	14,166	15,519	17,397	19,415
Other revenues	1,313	1,432	1,675	1,991	2,479	3,197	4,053	5,366	7,072	9,264
Client incentives	(6,173)	(6,664)	(8,367)	(10,295)	(12,297)	(13,764)	(15,751)	(17,778)	(19,964)	(22,549)
Visa - Total Revenue	22,977	21,846	24,105	29,310	32,653	35,926	40,000	45,659	51,078	56,952
<i>yoy growth</i>										
Service revenues	8.8%	1.1%	17.0%	16.4%	11.0%	8.7%	8.8%	12.7%	9.4%	9.2%
Data processing revenues	14.5%	6.2%	16.6%	12.9%	10.9%	10.7%	12.9%	14.0%	9.5%	9.1%
International transaction revenues	8.2%	(19.3%)	3.7%	50.3%	18.6%	8.8%	11.9%	9.6%	12.1%	11.6%
Other revenues	39.1%	9.1%	17.0%	18.9%	24.5%	29.0%	26.8%	32.4%	31.8%	31.0%
Client incentives	12.4%	8.0%	25.6%	23.0%	19.4%	11.9%	14.4%	12.9%	12.3%	13.0%
Visa - Total Revenue	11.5%	(4.9%)	10.3%	21.6%	11.4%	10.0%	11.3%	14.1%	11.9%	11.5%
<i>Constant Currency Revenue Growth</i>										
Operating Income (ex Specials)	15,371	14,144	16,028	19,923	22,172	24,317	27,094	30,912	34,717	39,039
Operating Margin (ex Specials)	66.9%	64.7%	66.5%	68.0%	67.9%	67.7%	67.7%	67.7%	68.0%	68.5%
Net Income Non-GAAP	12,367	11,193	12,927	16,034	18,280	20,389	22,542	25,213	28,374	31,492
yoy growth	15.3%	(9.5%)	15.5%	24.0%	14.0%	11.5%	10.6%	11.9%	12.5%	11.0%
EPS Non GAAP	5.40	5.04	5.91	7.50	8.77	10.05	11.47	13.17	15.16	17.40
yoy growth	17.2%	(6.8%)	17.3%	27.0%	16.8%	14.6%	14.1%	14.8%	15.2%	14.7%

Source: Company reports, Bernstein estimates and analysis

EXHIBIT 2: Visa - Balance Sheet and Cash Flow Statement

Balance Sheet (\$,mm) - Visa	2019	2020	2021	2022	2023	2024	2025	2026E	2027E	2028E
Current Assets										
Cash	7,838	16,289	16,487	15,689	16,286	11,975	17,164	21,622	28,863	40,090
Investment securities	4,236	3,752	2,025	2,833	3,842	3,200	1,833	2,092	2,341	2,610
Receivables	4,590	2,882	3,726	3,952	4,474	7,015	7,317	7,952	8,895	9,918
Other	4,306	4,722	5,369	7,731	8,930	11,843	11,452	14,386	14,568	14,811
Total	20,970	27,645	27,607	30,205	33,532	34,033	37,766	46,051	54,667	67,429
Current Liabilities										
Payables	4,146	1,910	2,709	3,621	3,644	5,744	5,123	5,753	6,430	7,155
Other	9,269	12,600	13,030	17,232	19,454	20,773	29,925	30,382	33,139	36,247
Total	13,415	14,510	15,739	20,853	23,098	26,517	35,048	36,134	39,569	43,402
Working Capital	7,555	13,135	11,868	9,352	10,434	7,516	2,718	9,917	15,098	24,027
Non Current Assets										
PP&E	2,695	2,737	2,715	3,223	3,425	3,824	4,236	4,698	5,210	5,779
Intangibles	26,780	27,808	27,664	25,065	26,104	26,889	27,646	27,646	27,646	27,646
Goodwill	15,656	15,910	15,958	17,787	17,997	18,941	19,879	19,879	19,879	19,879
Other	6,473	6,819	8,952	9,221	9,441	10,824	10,100	6,514	6,659	6,830
Total	51,604	53,274	55,289	55,296	56,967	60,478	61,861	58,737	59,395	60,134
Non Current Liabilities										
Deferred tax	4,807	5,237	6,128	5,332	5,114	5,301	5,549	5,549	5,549	5,549
Other	19,668	24,962	23,440	23,735	23,554	23,556	21,121	23,757	23,599	23,459
Total	24,475	30,199	29,568	29,067	28,668	28,857	26,670	29,306	29,148	29,008
Assets	72,574	80,919	82,896	85,501	90,499	94,511	99,627	104,789	114,062	127,563
Liabilities	37,890	44,709	45,307	49,920	51,766	55,374	61,718	65,440	68,717	72,410
Equity	34,684	36,210	37,589	35,581	38,733	39,137	37,909	39,348	45,345	55,153

Cash Flow (\$,mm) - Visa	2019	2020	2021	2022	2023	2024	2025	2026E	2027E	2028E
Cash Flow from Operation										
Net Income + DD&A	1,312	1,534	1,608	1,722	1,886	2,068	2,440	2,731	2,840	3,219
Change in oper assets/liabilities	(6,303)	(8,398)	(6,702)	(7,657)	(10,022)	(15,432)	(15,172)	(16,221)	(18,095)	(20,042)
Other	17,947	17,304	20,321	24,784	28,891	33,314	35,791	37,293	47,394	52,946
Total	12,956	10,440	15,227	18,849	20,755	19,950	23,059	23,803	32,139	36,123
Cash Flow from Investments										
Capex+Acq	(1,455)	(741)	(671)	(2,790)	(682)	(2,265)	(2,248)	(1,828)	(1,933)	(2,178)
Investments	854	2,168	519	(1,498)	(1,324)	339	2,956	432	(248)	(269)
Total	(601)	1,427	(152)	(4,288)	(2,006)	(1,926)	708	(1,396)	(2,181)	(2,447)
Cash Flow from Financing										
Repurchase	(8,607)	(8,114)	(8,676)	(11,589)	(12,101)	(16,713)	(18,316)	(18,316)	(17,400)	(16,530)
Dividends	(2,269)	(2,664)	(2,798)	(3,203)	(3,751)	(4,217)	(4,634)	(4,934)	(5,477)	(6,080)
Litigation	-	-	-	-	-	-	-	2,325	-	-
Other	51	30	(2,936)	(924)	(2,120)	127	4,039	2,975	161	160
Total	(10,825)	(10,748)	(14,410)	(15,716)	(17,972)	(20,803)	(18,911)	(17,950)	(22,717)	(22,449)
Capex/DD&A	2.22	0.97	0.83	3.24						

Source: Company reports, Bernstein estimates and analysis

BERNSTEIN TICKER TABLE

Ticker	Rating	Cur	1 Jun 2026	Price Target	TTM Rel. Perf.	Adjusted EPS				Adjusted P/E (x)		
			Closing Price			Cur	2025A	2026E	2027E	2025A	2026E	2027E
V (Visa)	O	USD	322.77	450.00	(40.2)%	USD	11.47	13.17	15.16	28.1	24.5	21.3
SPX			7,599.96									

O - Outperform, M - Market-Perform, U - Underperform, NR - Not Rated, CS - Coverage Suspended

Source: Bloomberg, Bernstein estimates and analysis.

DISCLOSURE APPENDIX

I. REQUIRED DISCLOSURES

References to "Bernstein" or the "Firm" in these disclosures relate to the following entities: Bernstein Institutional Services LLC (April 1, 2024 onwards), Sanford C. Bernstein & Co., LLC (pre April 1, 2024), Bernstein Autonomous LLP, BSG France S.A. (April 1, 2024 onwards), Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司, Sanford C. Bernstein (Canada) Limited, Sanford C. Bernstein (India) Private Limited (SEBI registration no. INH000006378), Sanford C. Bernstein (Singapore) Private Limited, Sanford C. Bernstein Japan KK (サンフォード・C・バーンスタイン株式会社) and analysts employed by Société Générale Africa Technologies & Services to produce Bernstein research under a Global Services Agreement in place between Bernstein and Société Générale.

Bernstein is part of a joint venture between Société Générale (SG) and AllianceBernstein, L.P. (AB). Unless specifically noted otherwise, for purposes of these disclosures, references to Bernstein's "affiliates" relate to both SG and AB and their respective affiliates.

VALUATION METHODOLOGY**Visa Inc**

We value Visa using a Price-Earnings (PE) Multiple approach. Our TP of \$450 is based on FY27E 30x PE Multiple and on our FY27 GAAP EPS estimate of \$15.16. In choosing the multiple, we take into account many factors, including relative valuation vs. the S&P500 as well as Visa's valuation vs. its own history.

RISKS**Visa Inc****Downside risks to our price target include:**

Competitive risks:

- International expansion of domestic networks, e.g., China Union Pay outside of China
- Brand disintermediation arising from increased popularity/use of so-called digital "wallets"
- Increased popularity/use of domestic payment networks such as ACH, or alternative networks such as Person-to-Person (P2P)

Regulatory risks:

- Regulation that imposes caps on interchange rates for debit or credit transactions
- Regulation that preferences domestic networks over the global networks

Legal risks:

- Legal settlements or fines to resolve disputes with merchants over payment processing fees
- Litigation costs to resolve legal disputes

Macroeconomic risks:

- Slowing global economy slowing the growth in global payment volumes
- Increased international tensions either reducing tourism/travel, or resulting in economic sanctions imposed in regions where the card networks operate (e.g., Russia)
- Lack of foreign exchange volatility reducing cross-border transaction processing fees

Operational risks:

- Network disruption due to cyber-attacks or a technical failure
- Reputational risk if subject to a public security breach

RATINGS DEFINITIONS, BENCHMARKS AND DISTRIBUTION

EQUITY RATINGS DEFINITIONS

Bernstein brand

The Bernstein brand rates stocks based on forecasts of relative performance for the next 12 months versus the S&P 500 for stocks listed on the U.S. and Canadian exchanges, versus the Bloomberg Europe Developed Markets Large and Mid Cap Price Return Index EUR (EDME) for stocks listed on the European exchanges and emerging markets exchanges outside of the Asia Pacific region, versus the Bloomberg Japan Large and Mid Cap Price Return Index USD (JPL) for stocks listed on the Japanese exchanges, and versus the Bloomberg Asia ex-Japan Large and Mid Cap Price Return Index (ASIAX) for stocks listed on the Asian (ex-Japan) exchanges -unless otherwise specified.

The Bernstein brand has three categories of ratings:

- Outperform: Stock will outpace the market index by more than 15 pp
- Market-Perform: Stock will perform in line with the market index to within +/- 15 pp
- Underperform: Stock will trail the performance of the market index by more than 15 pp

Coverage Suspended: Coverage of a company under the Bernstein research brand has been suspended. Ratings and price targets are suspended temporarily, are no longer current, and should therefore not be relied upon.

Not Rated: A rating assigned when the stock cannot be accurately valued, or the performance of the company accurately predicted, at the present time. The covering analyst may continue to publish research reports on the company to update investors on events and developments.

Not Covered (NC) denotes companies that are not under coverage.

Bernstein brand stock ratings are based on a 12-month time horizon.

Autonomous brand – common stocks

The Autonomous brand rates common stocks as indicated below. As our benchmarks we use the Bloomberg Europe 500 Banks And Financial Services Index (BEBANKS) and Bloomberg Europe Dev Mkt Financials Large and Mid Cap Price Ret Index EUR (EDMFI) index for developed European banks and Payments, the Bloomberg Europe 500 Insurance Index (BEINSUR) for European insurers, the S&P 500 and S&P Financials for US banks and Payments coverage, S5LIFE for US Insurance, the S&P Insurance Select Industry (SPSIINS) for US Non-Life Insurers coverage, and the Bloomberg Emerging Markets Financials Large, Mid and Small Cap Price Return Index (EMLSF) for emerging market banks and insurers and Payments. Ratings are stated relative to the sector (not the market).

The Autonomous brand has three categories of common stock ratings:

- Outperform (OP): Stock will outpace the relevant index by more than 10 pp
- Neutral (N): Stock will perform in line with the market index to within +/- 10 pp
- Underperform (UP): Stock will trail the performance of the relevant index by more than 10 pp

Coverage Suspended: Coverage of a company under the Autonomous research brand has been suspended. Ratings and price targets are suspended temporarily, are no longer current, and should therefore not be relied upon.

Not Rated: A rating assigned when the stock cannot be accurately valued, or the performance of the company accurately predicted, at the present time. The covering analyst may continue to publish research reports on the company to update investors on events and developments.

Those denoted as 'Feature' (e.g., Feature Outperform FOP, Feature Under Outperform FUP) are our core ideas.

Not Covered (NC) denotes companies that are not under coverage.

Autonomous brand common stock ratings are based on a 12-month time horizon.

Autonomous brand – preferred stocks

The Autonomous brand has three categories of preferred stock ratings:

- Outperform (OP): The total return of the preferred instrument is expected to outperform preferred securities of other issuers operating in similar sectors or rating categories over the next six months.
- Neutral (N): The total return of the preferred instrument is expected to perform in line with preferred securities of other issuers operating in similar sectors or rating categories over the next six months.
- Underperform (UP): The total return of the preferred instrument is expected to underperform preferred securities of other issuers operating in similar sectors or rating categories over the next six months.

Autonomous preferred stock ratings are based on a 6-month time horizon.

AUTONOMOUS CREDIT RESEARCH

Where this report contains investment recommendations for credit instruments, as defined in article 3(1)(35) of the Market Abuse Regulation, the information below is presented to comply with its disclosure requirements.

The report may also include reference(s) to published opinions by other Autonomous or Bernstein analysts covering the equity securities of the issuer(s) referenced herein. Please note an investment recommendation for credit instruments published by the author(s) of this report may differ from the published view of the analyst covering equity securities for the issuer(s) contained in this report and vice versa.

CREDIT RATINGS DEFINITIONS

The Autonomous brand has three categories of credit ratings:

- Credit Outperform (C-OP): The total return of the Reference Credit Instrument is expected to outperform the credit spread of bonds of other issuers operating in similar sectors or rating categories over the next six months.
- Credit Neutral (C-N): The total return of the Reference Credit Instrument is expected to perform in line with the credit spread of bonds of other issuers operating in similar sectors or rating categories over the next six months.
- Credit Underperform (C-UP): The total return of the Reference Credit Instrument is expected to underperform the credit spread of bonds of other issuers operating in similar sectors or rating categories over the next six months.

Autonomous credit ratings are based on a 6-month time horizon.

A list of all investment recommendations produced by the author(s) of this report alongside credit ratings history are available upon request.

It is at the sole discretion of the Firm as to when to initiate, update and cease research coverage. The Firm has established, maintains and relies on information barriers to control the flow of information contained in one or more areas (i.e. the private side) within the Firm, and into other areas, units, groups or affiliates (i.e. public side) of the Firm

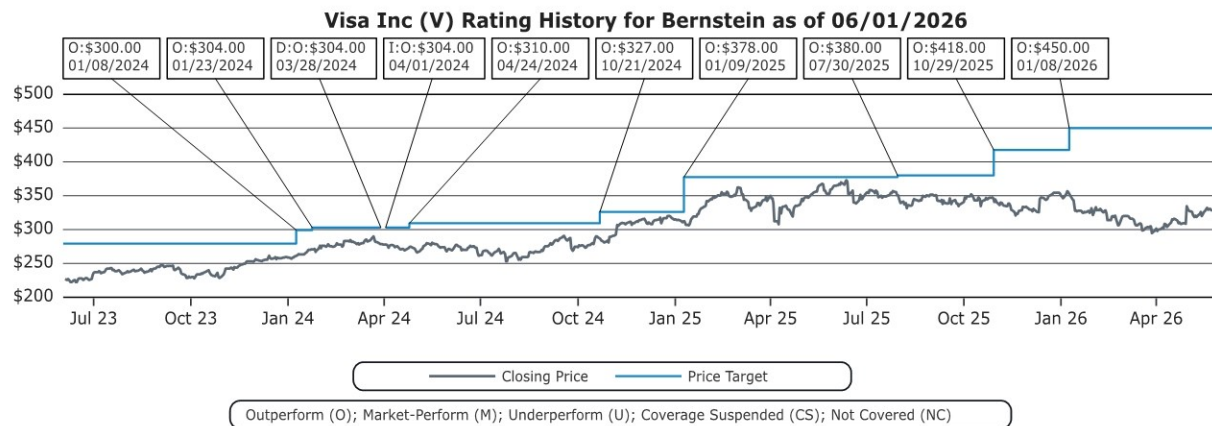
DISTRIBUTION OF EQUITY RATINGS/INVESTMENT BANKING SERVICES

Equity Rating	Market Abuse Regulation (MAR) and FINRA Rating Category	Global Rating Distribution	Investment Banking Relationships*
Outperform	BUY	51.1%	16.5%
Market-Perform (Bernstein Brand) Neutral (Autonomous Brand)	HOLD	36.3%	17.8%
Underperform	SELL	12.6%	14.9%

* These figures represent the percentage of companies within each equity rating category for which affiliates of Bernstein have provided investment banking services within the previous 12 months.
As of March 31, 2026. All figures are updated quarterly.

PRICE CHARTS / RATINGS AND PRICE TARGET HISTORY

Prior to April 1, 2024, Sanford C. Bernstein & Co., LLC. issued the ratings and price target information in the graph(s) below for the following companies: Visa Inc.



Visa Inc is covered by both the Autonomous and Bernstein brands. For the research ratings and price target history please go to <https://bernstein-autonomous.bluematrix.com/sellside/Disclosures.action>.

All price target and closing price data in the chart(s) above are denominated in the currency noted in the Ticker Table of this report.

CONFLICTS OF INTEREST

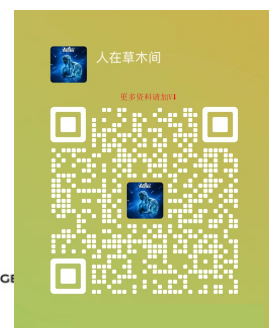
SG and/or its affiliates beneficially own 0.5% or more of [the total issued share capital/any class of common equity securities] with a net [long/short] position of: Visa Inc.

AB and/or its affiliates beneficially own 1% or more of a class of common equity securities of the following company: Visa Inc.

Bernstein Autonomous LLP or BSG France SA, beneficially, has either a net long or short position of 0.5% or more of the total issued share capital of a class of common equity securities of the following MiFID eligible securities: Visa Inc.

Certain affiliates of Bernstein act as market maker or liquidity provider in the equities securities of: Visa Inc.

Certain affiliates of Bernstein act as market maker or liquidity provider in the debt securities of: Visa Inc.



OTHER MATTERS

The legal entity(ies) employing the analyst(s) listed in this report, and their location, can be determined by the country code of their phone number, as follows:

- +1 Bernstein Institutional Services LLC; New York, New York, USA
- +44 Bernstein Autonomous LLP; London UK
- +212 Société Générale Africa Technologies & Services; Casablanca, Morocco
- +33 BSG France S.A.; Paris, France
- +34 BSG France S.A.; Madrid, Spain
- +41 Bernstein Autonomous LLP; Geneva, Switzerland
- +49 BSG France S.A.; Frankfurt, Germany
- +91 Sanford C. Bernstein (India) Private Limited; Mumbai, India
- +852 Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司; Hong Kong, China
- +65 Sanford C. Bernstein (Singapore) Private Limited; Singapore
- +81 Sanford C. Bernstein Japan KK; Tokyo, Japan

Where this report has been prepared by research analyst(s) employed by a non-US affiliate, such analyst(s), is/are (unless otherwise expressly noted below) not registered as associated persons of Bernstein Institutional Services LLC or any other SEC-registered broker-dealer and are not licensed or qualified as research analysts with FINRA. Accordingly, such analyst(s) may not be subject to FINRA's restrictions regarding (among other things) communications by research analysts with a subject company, interactions between research analysts and investment banking personnel, participation by research analysts in solicitation and marketing activities relating to investment banking transactions, public appearances by research analysts, and trading securities held by a research analyst account.

Where this report has been prepared by research analyst(s) employed by Société Générale Africa Technologies & Services (part of the Société Générale group of companies), it has been prepared on behalf of a Bernstein company under a Global Services Agreement in place between Bernstein and Société Générale.

CERTIFICATION

Each research analyst listed in this report, who is primarily responsible for the preparation of the content of this report, certifies that all of the views expressed in this publication accurately reflect that analyst's personal views about any and all of the subject securities or issuers and that no part of that analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views in this publication.

II. ADDITIONAL GLOBAL CONFLICT DISCLOSURES

It is at the sole discretion of the Firm as to when to initiate, update and cease research coverage. The Firm has established, maintains and relies on information barriers to control the flow of information contained in one or more areas (i.e., the private side) within the Firm, and into other areas, units, groups or affiliates (i.e., public side) of the Firm.

III. OTHER IMPORTANT INFORMATION AND DISCLOSURES

Separate branding is maintained for "Bernstein" and "Autonomous" research products.

- Bernstein produces a number of different types of research products including, among others, fundamental analysis and quantitative analysis under both the "Autonomous" and "Bernstein" brands. Recommendations contained within one type of research product may differ from recommendations contained within other types of research products, whether as a result of differing time horizons, methodologies or otherwise. Furthermore, views or recommendations within a research product issued under one brand may differ from views or recommendations under the same type of research product issued under the other brand. The Research Ratings System for the two brands and other information related to those Rating Systems are included

in the previous section.

- Autonomous operates as a separate business unit within the following entities: Bernstein Institutional Services LLC, Bernstein Autonomous LLP, Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司 and Sanford C. Bernstein (India) Private Limited. For information relating to "Autonomous" branded products (including certain Sales materials) please visit: www.autonomous.com. For information relating to Bernstein branded products please visit: www.bernsteinresearch.com.

Analysts are compensated based on aggregate contributions to the research franchise as measured by account penetration, productivity and proactivity of investment ideas. No analysts are compensated based on performance in, or contributions to, generating investment banking revenues.

This report has been produced by an independent analyst as defined in Article 3 (1)(34)(i) of EU 596/2014 Market Abuse Regulation ("MAR") and the same article of MAR as it forms part of United Kingdom domestic law by virtue of the European Union (Withdrawal) Act 2018.

To our readers in the United States: Bernstein Institutional Services LLC, a broker-dealer registered with the U.S. Securities and Exchange Commission ("SEC") and a member of the U.S. Financial Industry Regulatory Authority, Inc. ("FINRA") is distributing this publication in the United States and accepts responsibility for its contents. Where this material contains an analysis of debt product(s), such material is intended only for institutional investors and is not subject to the US independence and disclosure standards applicable to debt research prepared for retail investors.

Bernstein Institutional Services LLC may act as principal for its own account or as agent for another person (including an affiliate) in sales or purchases of any security which is a subject of this report. This report does not purport to meet the objectives or needs of any specific individuals, entities or accounts.

To our readers in Canada: If this publication pertains to a Canadian domiciled company, it is being distributed in Canada by Sanford C. Bernstein (Canada) Limited, which is licensed and regulated by the Canadian Investment Regulatory Organization. If the publication pertains to a non-Canadian domiciled company, it is being distributed by Bernstein Institutional Services LLC, which is licensed and regulated by both the SEC and FINRA, into Canada under the International Dealers Exemption.

This document may not be passed onto any person in Canada unless that person qualifies as "permitted client" as defined in Section 1.1 of NI 31-103.

To our readers in Brazil: This report has been prepared by Bernstein Institutional Services LLC, and Banco BTG Pactual S.A. ("BTG") is responsible for the distribution of this report in Brazil.

To readers in the United Kingdom: This publication has been issued or approved for issue in the United Kingdom by Bernstein Autonomous LLP, authorised and regulated by the Financial Conduct Authority and located at 60 London Wall, London EC2M 5SH, +44 (0)20-7170-5000. Registered in England & Wales No OC343985.

This document is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations, etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the FSMA) in connection with the issue or sale of any securities may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This document is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this document relates is available only to relevant persons and will be engaged in only with relevant persons.

To our readers in the member states of the EEA: This publication is being distributed by BSG France SA, which is authorised and regulated by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and Autorité des Marchés Financiers (AMF).

To our readers in Hong Kong: This publication is being distributed in Hong Kong by Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司, which is licensed and regulated by the Hong Kong Securities and Futures Commission (Central Entity No. AXC846) to carry out Type 4 (Advising on Securities) regulated activities and subject to the licensing conditions mentioned in the SFC Public Register (<https://www.sfc.hk/publicregWeb/corp/AXC846/details>). This publication is solely for professional investors, as defined in the Securities and Futures Ordinance (Cap. 571). The purpose of this report is solely to provide an analysis of the issuers referred to in this report and is not intended for any purpose contrary to the laws of Hong Kong.

To our readers in Singapore: This publication is being distributed in Singapore by Sanford C. Bernstein (Singapore) Private Limited, only to accredited investors or institutional investors, as defined in the Securities and Futures Act 2001 of Singapore ("SFA"). Recipients in Singapore should contact Sanford C. Bernstein (Singapore) Private Limited in respect of matters arising from,

or in connection with, this publication. Sanford C. Bernstein (Singapore) Private Limited is regulated by the Monetary Authority of Singapore and licensed under the SFA as a capital markets services licence holder for dealing in capital markets products that are securities and collective investment schemes and an exempt financial adviser for advising on, issuing and promulgating analyses and reports on securities. Sanford C. Bernstein (Singapore) Private Limited is registered in Singapore with Company Registration No. 20213710W and located at One Raffles Quay, #27-11 South Tower, Singapore 048583, +65-6230-4612.

To our readers in the People's Republic of China: The securities referred to in this document are not being offered or sold and may not be offered or sold, directly or indirectly, in the People's Republic of China (for such purposes, not including the Hong Kong and Macau Special Administrative Regions or Taiwan, the "PRC") in contravention of any applicable laws of the PRC.

This document does not constitute an offer to sell or the solicitation of an offer to buy any securities in the PRC to any person to whom it is unlawful to make the offer or solicitation in the PRC.

We do not represent that this document may be lawfully distributed, or that any securities may be lawfully offered, in compliance with any applicable registration or other requirements in the PRC, or pursuant to an exemption available thereunder, or assume any responsibility for facilitating any such distribution or offering. In particular, no action has been taken by us which would permit a public offering of any securities or distribution of this document in the PRC. Accordingly, the securities are not being offered or sold within the PRC by means of this document or any other document. Neither this document nor any advertisement or other offering material may be distributed or published in the PRC, except under circumstances that will result in compliance with any applicable laws and regulations.

To our readers in Japan: This publication is being distributed in Japan by Sanford C. Bernstein Japan KK (サンフォード・C・バーンスタイン株式会社), which is registered in Japan as a Financial Instruments Business Operator with the Kanto Local Finance Bureau (registration number: The Director-General of Kanto Local Finance Bureau (FIBO) No.3387) and regulated by the Financial Services Agency. It is also a member of Japan Investment Advisers Association. This publication is solely for qualified institutional investors in Japan only, as defined in Article 2, paragraph (3), items (i) of the Financial Instruments and Exchange Act.

For the institutional client readers in Japan who have been granted access to the Bernstein website by Daiwa Securities Group Inc. ("Daiwa"), your access to this document should not be construed as meaning that Bernstein is providing you with investment advice for any purposes. Whilst Bernstein has prepared this document, your relationship is, and will remain with, Daiwa, and Bernstein has neither any contractual relationship with you nor any obligations towards you.

To our readers in Australia: Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司 is responsible for distributing research in Australia. It is regulated by the Securities and Exchange Commission under U.S. laws, by the Financial Conduct Authority under U.K. laws, which differs from Australian laws. Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司 is exempt from the requirement to hold an Australian financial services license under the Corporations Act 2001 in respect of the provision of the following financial services to wholesale clients:

- providing financial product advice;
- dealing in a financial product;
- making a market for a financial product; and
- providing a custodial or depository service.

To our readers in India: This publication is being distributed in India by Sanford C. Bernstein (India) Private Limited (SCB India) which is licensed and regulated by Securities and Exchange Board of India ("SEBI") as a research analyst entity under the SEBI (Research Analyst) Regulations, 2014, having registration no. INH000006378 and as a stock broker having registration no. INZ000213537. SCB India is currently engaged in the business of providing research and stock broking services. Please refer to www.bernsteinresearch.in for more information.

- SCB India is a Private limited company incorporated under the Companies Act, 2013, on April 12, 2017 bearing corporate identification number U65999MH2017FTC293762, and registered office at Level 3A, 4th Floor, First International Financial Centre, Plot Nos C-54 and C-55, G Block, Near CBI Office, Bandra Kurla Complex, Bandra (East), Mumbai 400098, Maharashtra, India (Phone No: +91-22-68421401).
- For details of Associates (i.e., affiliates/group companies) of SCB India, kindly email MUM-BERNSTEIN-InCompliance@bernsteinsg.com.
- SCB India does not have any disciplinary history as on the date of this report.

- Except as noted above, SCB India and/or its Associates (i.e., affiliates/group companies), the Research Analysts authoring this report, and their relatives
 - do not have any financial interest in the subject company
 - do not have actual/beneficial ownership of one percent or more in securities of the subject company;
 - is not engaged in any investment banking activities for Indian companies, as such;
 - have not managed or co-managed a public offering in the past twelve months for any Indian companies;
 - have not received any compensation for investment banking services or merchant banking services from the subject company in the past 12 months;
 - have not received compensation for brokerage services from the subject company in the past twelve months;
 - have not received any compensation or other benefits from the subject company or third party related to the specific recommendations or views in this report; and
 - do not currently, but may in the future, act as a market maker in the financial instruments of the companies covered in the report.
 - do not have any conflict of interest in the subject company as of the date of this report.
- Except as noted above, the subject company has not been a client of SCB India during twelve months preceding the date of distribution of this research report. Neither SCB India nor its Associates (i.e., affiliates/group companies) have received compensation for products or services other than investment banking, merchant banking or brokerage services from the subject company in the past twelve months.
- The principal research analyst(s) who prepared this report, members of the analysts' team, and members of their households are not an officer, director, employee or advisory board member of the companies covered in the report.
- Our Compliance officer / Grievance officer is Ms. Rupal Talati, who can be reached at +91-22-68421451, or MUM-BERNSTEIN-InCompliance@bernsteinsg.com / Scbin-investorgrievance@bernsteinsg.com
- The Research investor charter and Terms & Conditions of SCB India are available on its website and may be accessed at [Sanford C. Bernstein \(India\) Private Limited](https://bernsteinresearch.in/) (<https://bernsteinresearch.in/>) for your reference.
- Disclaimer: Registration granted by SEBI, and certification from NISM, is in no way a guarantee of performance of the intermediary or provide any assurance of returns to investors. Investments in securities market are subject to market risks. Read all the related documents carefully before investing.

To our readers in Switzerland: This document is provided in Switzerland by or through Bernstein Autonomous LLP, and is provided only to qualified investors as defined in article 10 of the Swiss Collective Investment Scheme Act ("CISA") and related provisions of the Collective Investment Scheme Ordinance and in strict compliance with applicable Swiss law and regulations. The products mentioned in this document may not be suitable for all types of investors. This document is based on the Directives on the Independence of Financial Research issued by the Swiss Bankers Association (SBA) in January 2008.

To our readers in the Middle East: Bernstein Autonomous LLP, DIFC branch has its principal office at Gate Village 06, DIFC, Dubai, UAE. Bernstein Autonomous LLP, DIFC branch is regulated by the Dubai Financial Services Authority (DFSA) with the registration number CL10040 and is provisioned for Arranging Deals in Investments and Advising on Financial Products. All communications and services are directed at Professional Clients and Market Counterparties only (as defined in the DFSA rulebook). Persons other than Professional Clients and Market Counterparties, such as Retail Clients, are not the intended recipients of our communications or services.

LEGAL

All research publications are disseminated to our clients through posting on the firm's password protected websites, bernsteinresearch.com and autonomous.com. Certain, but not all, research publications are also made available to clients through third-party vendors or redistributed to clients through alternate electronic means as a convenience.

This publication has been published and distributed in accordance with the Firm's policy for management of conflicts of interest in investment research, a copy of which is available from Bernstein Institutional Services LLC, Director of Compliance, 245 Park Avenue, New York, NY 10167. Additional disclosures and information regarding Bernstein's business are available on our website www.bernsteinresearch.com.

The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors where that permission profile is not consistent with the licenses held by the entities noted herein. This document is for distribution only as may be permitted by law. This publication is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of, or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject any of the entities referenced herein or any of their subsidiaries or affiliates to any registration or licensing requirement within such jurisdiction. This publication is based upon public sources we believe to be reliable, but no representation is made by us that the publication is accurate or complete. We do not undertake to advise you of any change in the reported information or in the opinions herein. This publication was prepared and issued by entity referred to herein for distribution to eligible counterparties or professional clients. This publication is not an offer to buy or sell any security, and it does not constitute investment, legal or tax advice. The investments referred to herein may not be suitable for you. Investors must make their own investment decisions in consultation with their professional advisors in light of their specific circumstances. The value of investments may fluctuate, and investments that are denominated in foreign currencies may fluctuate in value as a result of exposure to exchange rate movements. Information about past performance of an investment is not necessarily a guide to, indicator of, or assurance of, future performance.

This report is directed to and intended only for our clients who are "eligible counterparties", "professional clients", "institutional investors" and/or "professional investors" as defined by the aforementioned regulators, and must not be redistributed to retail clients as defined by the aforementioned regulators. Retail clients who receive this report should note that the services of the entities noted herein are not available to them and should not rely on the material herein to make an investment decision. The result of such act will not hold the entities noted herein liable for any loss thus incurred as the entities noted herein are not registered/ authorised/ licensed to deal with retail clients and will not enter into any contractual agreement/arrangement with retail clients. This report is provided subject to the terms and conditions of any agreement that the clients may have entered into with the entities noted herein. All research reports are disseminated on a simultaneous basis to eligible clients through electronic publication to our client portal.

The information in this report was prepared by Bernstein solely for the internal business use of our clients. Clients may store, display, analyze, reformat and print the information in this report for this limited use only. Clients may not copy, alter, create derivative works, resell, reverse engineer, commercially exploit, share or distribute any part of the information contained herein for any purpose without Bernstein's express written consent. These restrictions include extracting data or using the content to develop indices or other products. Further, you may not use this report, or any portion of this report, to train or finetune any third-party machine learning or artificial intelligence system, or as a prompt or input into any such system. You also may not, without Bernstein's express written consent, do any of the foregoing in connection with your own internal machine learning or artificial intelligence system.

Bernstein may use artificial intelligence tools in the preparation of its materials. Any such materials are reviewed by Bernstein's research analysts prior to publication.

This report has been prepared for information purposes only and is based on current public information that we consider reliable, but the entities noted herein do not warrant or represent (express or implied) as to the sources of information or data contained herein are accurate, complete, not misleading or as to its fitness for the purpose intended even though the entities noted herein rely on reputable or trustworthy data providers, it should not be relied upon as such. Opinions expressed are the author(s)' current opinions as of the date appearing on the material only and we do not undertake to advise you of any change in the reported information or in the opinions herein.

This publication was prepared and issued by the entity referred to herein for distribution to eligible counterparties or professional clients. The information in this report is intended for general circulation and does not constitute an offer to buy or sell any security, investment, legal or tax advice nor a personal recommendation, as defined by any of the aforementioned regulators. It does not take into account the particular investment objectives, financial situations, or needs of individual investors. The report has not been reviewed by any of the aforementioned regulators and does not represent any official recommendation from the aforementioned regulators. The investments referred to herein may not be suitable for you. Investors must make their own investment decisions in consultation with advice sought from a financial adviser regarding the suitability of the investment product, taking into account the specific investment objectives, financial situation or particular needs of any recipient of the recommendation, before the recipient makes a commitment to purchase the investment product.

The analysis contained herein is based on numerous assumptions. Different assumptions could result in materially different results. The information in this report does not constitute, or form part of, any offer to sell or issue, or any offer to purchase or subscribe for shares, or to induce engage in any other investment activity. The value of any securities or financial instruments mentioned in this report may fluctuate subject to market conditions. Information about past performance of an investment is

not necessarily a guide to, indicative of, or assurance of future performance. Estimates of future performance mentioned by the research analyst in this report are based on assumptions that may not be realized due to unforeseen factors like market volatility/fluctuation. In relation to securities or financial instruments denominated in a foreign currency other than the clients' home currency, movements in exchange rates will have an effect on the value, either favorable or unfavorable. Before acting on any recommendations in this report, recipients should consider the appropriateness of investing in the subject securities or financial instruments mentioned in this report and, if necessary, seek for independent professional advice.

The securities described herein may not be eligible for sale in all jurisdictions or to certain categories of investors where that permission profile is not consistent with the licenses held by the entities noted herein. This document is for distribution only as may be permitted by law. It is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or would subject the entities noted herein to any regulation or licensing requirement within such jurisdiction.

Source: Bloomberg Index Services Limited. BLOOMBERG® is a trademark and service mark of Bloomberg Finance L.P. and its affiliates (collectively "Bloomberg"). Bloomberg or Bloomberg's licensors own all proprietary rights in the Bloomberg Indices. Neither Bloomberg nor Bloomberg's licensors approves or endorses this material, or guarantees the accuracy or completeness of any information herein, or makes any warranty, express or implied, as to the results to be obtained therefrom and, to the maximum extent allowed by law, neither shall have any liability or responsibility for injury or damages arising in connection therewith.

No part of this material may be reproduced, distributed or transmitted or otherwise made available without prior consent of the entities noted herein. Copyright Bernstein Institutional Services LLC Bernstein Autonomous LLP, BSG France S.A., Sanford C. Bernstein (Hong Kong) Limited 盛博香港有限公司, Sanford C. Bernstein (Canada) Limited, Sanford C. Bernstein (India) Private Limited (SEBI registration no. INH000006378), Sanford C. Bernstein (Singapore) Private Limited and Sanford C. Bernstein Japan KK (サンフォード・C・バーンスタイン株式会社). All rights reserved. The trademarks and service marks contained herein are the property of their respective owners. Any unauthorized use or disclosure is strictly prohibited. The entities noted herein may pursue legal action if the unauthorized use results in any defamation and/or reputational risk to the entities noted herein and research published under the Bernstein and Autonomous brands.