

Global Research Unlocked

Merger Monday not yet ready to take over
but expect M&A headlines in certain areas

Key takeaways

- BofA Global Research analysts join the podcast to discuss emerging risks, opportunities, and growth themes in global markets.
- M&A activity is well below the 10yr average, but there are positives including better market performance, also SMID caps. . .
- . . .are inexpensive vs large caps. Still there are headwinds to a resurgence. We discuss SMIDs, staples and banks.



M&A activity should increase but not everywhere

M&A (Mergers & Acquisition) activity had fallen to well-below the 10Y average over the last 2 years. There are various reasons for this slowdown, including higher rates and negative corporate sentiment. But between equity markets faring well over the last year and interest rates off highs, there are some reasons to expect a recovery. Indeed, we've seen a bit of an uptick. We speak with Jill Hall who points out that SMID cap valuations are inexpensive relative to large caps—another M&A positive. But Jill believes that M&A will be focused in certain parts of the market. Bryan Spillane and Peter Galbo say consumer staples companies with healthy balance sheets could engage in M&A as it becomes difficult to push price further and these companies seek other ways to grow. EB Poonawala suggests that banks could benefit from both higher M&A fees and what could be an uptick in bank mergers, especially if there's political change in November. *Global Research Unlocked can now be found on public podcast platforms, including Spotify, Apple Podcasts, Google Podcasts, and Amazon Music. These podcasts are first released to clients and then to the platforms.*

Trading ideas and investment strategies discussed herein may give rise to significant risk and are not suitable for all investors. Investors should have experience in relevant markets and the financial resources to absorb any losses arising from applying these ideas or strategies.

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Refer to important disclosures on page 7 to 8.

12654257

Timestamp: 08 February 2024 05:00AM EST

08 February 2024

Strategy

United States

Thomas (T.J.) Thornton

Head of Research Marketing

BofAS

+1 646 855 2449

thomas.thornton2@bofa.com

Jill Carey Hall, CFA

Equity & Quant Strategist

BofAS

Bryan D. Spillane

Research Analyst

BofAS

Peter T. Galbo, CFA

Research Analyst

BofAS

Ebrahim H. Poonawala

Research Analyst

BofAS

DOJ: Department of Justice

HPC: Household and Personal Care

CPG: Consumer Packaged Goods

Full Podcast Transcript

T.J. Thornton, Head of Product Marketing: Hello and welcome to Global Research Unlocked, where we discuss what's rising from growth industries to rising risks and opportunities in global markets. I'm T.J. Thornton, Head of Product Marketing at BofA Global Research, and we're recording this episode on Monday, January 29, 2024.

But I think what the M&A backdrop may signal is the improving corporate sentiment. As you can appreciate T.J., over the last two years, we're coming from a really weak environment for investment banking. Corporate sentiment has been weak, as interest rates have gone higher. A lot of geopolitical risks have emerged. I think what's implied in a backdrop where M&A activity is strong is that corporates are feeling a lot better about taking capex and strategic actions.

- Ebrahim Poonawala

2021 was a busy year for M&A (Mergers and Acquisitions), but as markets sold off in 2022 and interest rates headed higher, M&A really slowed down. And while the S&P (Standard & Poor's 500 Index) is back to all-time highs, M&A remains lackluster with dollar volume in North America well below the 10-year average. But some things in the backdrop have changed. Markets performed much better last year. Rates are off highs and some companies have run out of room to keep boosting margin through higher prices. Today we'll talk to SMID Strategist, Jill Hall, on the top-down picture for M&A. We'll also speak with Consumer Staples analyst Bryan Spillane and Pete Galbo, who expect to see a pick up in M&A and bank analyst EB Poonawala, whose coverage is impacted by M&A, both because of fees that banks collect on deals and because of what could be a pick up in bank M&A after a few quiet years. Thanks for joining us today.

Jill Hall, Head of US SMID Cap Equity Strategy Research: Thanks for having us.

Bryan Spillane, Senior US Packaged Food & Beverages: Hey, thanks for having us, T.J.

Peter Galbo, Senior Consumer Staples Analyst: Yeah, thanks.

Ebrahim Poonawala, Head of North American Banks Research: Thanks T.J. for having us.

T.J. Thornton: Jill, I wanted you to set the stage here. What type of market backdrops do tend to be best for a pick up in M&A?

Jill Hall: Overall, we saw a little bit of a pick up last year relative to 2022, and when we look at the factors that are most correlated with M&A pick ups, there are several that are positive as we look forward. Historically, cheap relative valuations of small caps versus large caps tends to be positive for M&A pick ups. Markets performed well last year, as you mentioned, but there are also some factors that are less supportive right now. Decelerating US GDP growth, potential for higher market volatility, which both our election work and our framework around the VIX, would suggest, and then lower consensus, long-term growth expectations for SMID caps. But I think even if there are headwinds to a broad based M&A pick up, we still have started to see a pick up in some key areas, so healthcare is one notable example where after the dearth of M&A, we saw a big jump in deal activity last year, and this is something many of our healthcare and biotech, biopharma analysts have been highlighting as one of the necessary ingredients for better sentiment in those areas. And we also saw a little bit of a pick up in financials M&A off recent lows, and Ebrahim will be able to give some more color on the backdrop there.

T.J. Thornton: Okay. And Jill, when you see more active M&A cycles, have small caps usually outperformed? And what about stocks with traditional risk on qualities like high leverage and value, do those stocks tend to work better in an active M&A environment?

Jill Hall: We actually haven't found it to be a signal of small cap index performance overall. In fact, when the Russell 2000 has more frequently outperformed, it's been in years of lighter M&A activity relative to heavier M&A activity. Potentially that's because M&A pick ups have often coincided with times when small caps have rallied and valuations are more stretched. It's not a necessary condition for small caps to outperform, but given that small cap valuations are broadly cheap versus history today and relative to large caps, a pick up could be more broadly positive than times when valuations were more stretched. Where we have found deal activity is important to performances within several small cap sectors. You tend to see more differentiation here at the sector level than for say, growth versus value. For example, we have seen rather wide performance spreads within sectors like healthcare, tech and staples in years when M&A was heavy versus light, so pick ups tend to be more positive for performance in those sectors. And in general, we've seen both acquirers and targets rewarded on average for most of the last decade.

T.J. Thornton: Okay. I also wanted to hit on rates, I know EB's favorite subject, but our economists are forecasting rate cuts this year. Rate strategy expects the 10-Year Yield to be a bit higher by year end, but this is all a much different picture from at least the first 10 months of 2023, when the 10-Year Yield moved up in unrelenting fashion, and the Fed was still raising rates. What do flat to down rates mean for M&A activity in your view?

Jill Hall: On one hand, lower financing costs could be a positive, but on the other hand, we've also seen, number one, a shift to more all cash deals over time. And secondly, there's also been a focus on debt and debt pay down right now, given the refinancing risks faced by many SMID caps over the next 5 years. And BofA's Global Fund Manager Survey also suggests that investors want companies to use their cash to pay down debt more so than capex and more so than for M&A or other cash return activities right now.

T.J. Thornton: Thanks Jill for joining us today.

Jill Hall: Thanks for having me.

T.J. Thornton: Let's shift and get perspective from the Food, Beverage and HPC team on M&A as it's a theme of theirs in 2024. The first question here is for Bryan, you and Pete have written that you expect self-help actions in M&A to pick up in '24. What are the catalysts that you expect to prompt this pick up?

Bryan Spillane: Yeah, T.J., as Peter and I were looking at the group towards the end of last year, what we really came to recognize is that most of the companies that we cover are at a point where they're going to have to really rethink their long-term growth algorithms or long-term growth objectives. And we think that's going to generate a series of self-help actions, and in the past that's been like restructuring or cost savings programs. We don't think there's a deep reservoir of inefficiency for these companies to tap in that regard, so we think based on what's happened historically, a scenario where we potentially see a step up in M&A activity, and I think Peter can comment. We've actually seen a little bit of it in his part of our coverage universe towards the end of the year.

Peter Galbo: Yeah, we saw this a little bit in the second half of '23, particularly in some of the packaged food stocks. You obviously had the announcement of the acquisition of Sovos Brands. You had Hostess, as well, where you had a number of bidders in on that asset, so we've started to see some of the tea leaves move here a bit, and that's our basis. We're expecting more so as we get into '24.

T.J. Thornton: Pete, on the self-help theme, could you give us some perspective on the types of companies or stocks that you think could be touched by this - buyers and sellers in M&A?



Peter Galbo: Yeah, sure. I think that if we had to rank order where we'd expect the most activity, simply just based off of where growth or maybe lack of growth sits today, I think the food companies, the packaged food companies are likely to be the most active maybe some of the HPC companies as well. In beverages, there certainly could be some deals here and there, maybe some distribution agreements, where we've seen in the past. Some companies sell some equity stakes, as opposed to outright mergers, but I think that's how we would rank them in terms of the sub-sectors. I think, as we think about categories, you're looking for those categories that tend to have above average growth or have had above average growth that maybe are accretive to overall company top lines. That would be categories like pet food, snacking, potentially even beauty, where you would probably see the legacy guys look to get potentially bigger. I think the question you asked T.J. that's interesting is on the seller front, there's probably a number of players out there, some of the legacy CPG companies that have some assets, just in their portfolio, that maybe they're not the best steward of. We've certainly written a bit about that. We think that you could see some assets swapping or some further divestiture on parts of these companies as well.

T.J. Thornton: Pete, on the buyer side, do companies have balance sheet strength and access to capital to get these deals done?

Peter Galbo: Yeah, I think with the long end of the curve coming down, it's certainly made the financing and some of the accretion math a bit more compelling. I think what's happened though, even since 2020, an unintended benefit that a lot of these companies had during COVID was the fact that they were able to de-risk their balance sheets pretty aggressively. And you're now at a point where a number of them are at or below their leverage targets and call it 3x net debt to EBITDA (earnings before interest, taxes, depreciation, and amortization). You've obviously seen parts of the curve come down as well, and it's made some of the financing from an interest rate perspective more creative, so I do think that the balance sheets are largely cleaned up at this point that you could see reasonable capacity, both for tuck (tuck-in acquisition) and M&A and even potentially for larger deals.

T.J. Thornton: Pete, one of the reasons why companies might engage in M&A is to get faster growth or get exposure to faster growth categories. Are there subcategories within your universe that are actually slowing and where those companies might be looking to buy companies that can add to their growth? And if so, what are those categories?

Peter Galbo: Yeah, T.J., I think it's most prevalent probably in packaged food, particularly some of the guys who sell the center store items, so if you're thinking about the grocery store; this would be your center aisle categories that have been more challenged. I think that's pretty broad based across a number of names that have exposure there. I think outside of packaged food, the other challenge growth areas we see, maybe more so on the alcohol side, particularly in beer, and now you're seeing even a more material slowing in wine. There's been a few transactions on the wine side that have come across, in the past couple of months, but nothing large at this point that we're expecting.

T.J. Thornton: Bryan and Pete, thanks very much for joining us today.

Bryan Spillane: Hey, thanks for having us.

Peter Galbo: Yeah, thanks.

T.J. Thornton: We'll finish up with EB; given the differentiated positioning for banks when it comes to M&A. EB we've talked about where M&A might pick up. Banks are unique in that they can benefit both from the fees generated by M&A elsewhere in the market, but also could be the subject of M&A themselves. If we do see robust M&A in the market or in some groups, do money center banks and brokers benefit to a significant degree?

Ebrahim Poonawala: Yes and no in that, when you think about, if we do see a pick up in M&A activity, yes, I think money center banks should benefit in terms of their investment banking revenues - same thing with brokers - but I think it also comes down to just the rest of the backdrop. When you look at some of the even pure play investment banks, purely M&A advisory fees make up about 10% of their total revenues, even in some of the strongest years. There is a lot more that goes into whether or not the year could be strong or weak for a certain bank beyond just what happens with the M&A backdrop. But I think what the M&A backdrop may signal is the improving corporate sentiment. As you can appreciate T.J., over the last two years, we're coming from a really weak environment for investment banking. Corporate sentiment has been weak, as interest rates have gone higher. A lot of geopolitical risks have emerged. I think what's implied in a backdrop where M&A activity is strong is that corporates are feeling a lot better about taking capex and strategic actions. And if that's the case, it does impact, as you mentioned, the money center banks have 8-10 different lines of businesses, and it could be commercial lending, it could be other areas of the business. They all tend to take a, see a lift, if we are in fact in an optimistic sort of macro scenario.

T.J. Thornton: Okay. And EB, you've also talked about how the regulatory environment for bank to bank M&A could become easier if there's a change in the presidential administration this coming November. Would that M&A activity mostly be limited to regionals merging with one another? And if so, is that a reason to favor regional banks, in case, pollings suggests that Republican victories are likely in November?

Ebrahim Poonawala: Yes and if you take a step back on the regulatory environment, if you think about there are 2 or 3 things at play here. One, if you recall when President Biden took office shortly thereafter, he published an executive order which asked all the agencies to strengthen their scrutiny of any larger M&A. As a result of that, what you've seen is a lot of DOJ action against potential deals that have been announced, not just in banks, but outside of bank M&A, that has put a chill in larger M&A activity in the last couple of years. If we are in a different regime, and if there is a political change come November, I do think some of that overhang goes away. And as it pertains to banks as well, I think if top down from a policy making standpoint the message is that the regulators and the administration is open to seeing a sensible M&A take place. The expectation will be that we will see a pick up in activity and partly driven by the fact that there is a need. I think you mentioned interest rates earlier. And I think in a world where interest rates are structurally higher, regulatory compliance cost for banks is continuing to rise. I think the regional banks is where you will see the appetite both among buyers and sellers to merge. And for all practical purposes, the big banks, the money center banks are essentially out of the M&A game because of regulatory restrictions and such. So yes, I do think we will see more regional bank consolidation, a change in the political backdrop, which could lead to a different kind of regulatory backdrop, would encourage more deal making over the next year or two. And would we favor regional banks in that scenario? I think the answer is yes, although I will caution that the ability of bank M&A to generate significant alpha for investors has been mixed at best over the last decade. What we've seen is in many instances, investors react negatively to larger M&A and seeing the stocks of the buyer struggle for a few years following deal announcement until investors get comfort with integration and kind of the go forward strategy. Again, but it's worth calling out. The banking industry has been consolidating for the last 30 years. It's probably going to continue to consolidate for the next decade, and we have our ups and downs, but I think that trend should continue and could accelerate in a different political backdrop.

T.J. Thornton: Okay, got it. And just two follow ups on that question. You mentioned sometimes, in the past, the acquirers have struggled, is that because of just how difficult it is to integrate these bank M&A deals? And then the other question is: you talked about how if you did see an uptick in M&A, it would probably imply just better corporate

confidence. In years like that do banks tend to perform well? Where you've got improving corporate confidence? Where you've got rising M&A?

Ebrahim Poonawala: Two things - I think in terms of why banks that have announced deals have not always seen their stocks react positively. Yeah, I think that a few issues at work here. One is the amount of time it takes between a deal announcement and to secure all the regulatory approvals. Another thing where what we've observed under the current administration is, the timeline to get the deal approved from all the banking agencies and such has extended to 6 to 9 months at the start of this administration to now north of 12 to 15 months. That period of uncertainty does cause investors to think about whether or not management is now distracted with the deal and whether the bank that is being acquired is at risk of franchise attrition, as competitors look to acquire talents and move clients away from the bank. There's that aspect to it. Can you actually deliver on the synergies you're promising on day one? And then I think it's just having to live through a period of this next 12 to 18 months of regulatory uncertainty to get the deal approved. The worst criticism of such a transaction would be that it sets a bank behind by 2 to 3 years in terms of their core strategy because they're too occupied with getting a deal done, integration after the fact, and getting technology culture, all of that aligned and if it's a large transaction, it is a multi-year process. In terms of do banks do well if there's a pick up in M&A? If banks generally do, again, I don't need to remind the group that banks are the cyclical sector, if the economy is picking up steam, that's also driving more increased, improved corporate sentiment, increased demand activity, that's a good backdrop for banks. If you do have all these factors in play, bank stocks should do quite well, if we're cyclically rebounding from a slow period, not just for M&A activity, but for broader GDP growth.

T.J. Thornton: Thanks EB for joining us today.

Ebrahim Poonawala: T.J., thanks for having me.

T.J. Thornton: The backdrop for a pick up in M&A is mixed. Small cap valuations are cheap versus large caps, and that's a positive, but you also have decelerating GDP growth, which is typically a negative. But Jill does think that we can see a pick up in M&A in certain sectors, including healthcare, where activity has already risen and where more active M&A does tend to be good for performance - something not necessarily the case for small caps as a whole. Thinking about food, beverage, and household products, Bryan and Pete suggest these companies may engage in M&A because they're running out of other options for growth. They've already seen margin expansion partly on higher pricing. It's harder to push price further. Category growth is fairly anemic in some cases, and M&A is seen as a solution, especially because many of these companies have strong balance sheets. As for the banks, a pick up in M&A would be a positive for fees, but a pick up is probably more of a positive because of what it implies about corporate confidence according to EB. On bank to bank M&A, if we did see a change in the presidential administration, we'd probably see a different regulatory environment and more deals, which could be somewhat positive for regional banks. Thanks for joining us today.

Disclosures

Important Disclosures

BoFA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

Other Important Disclosures

From time to time research analysts conduct site visits of covered issuers. BoFA Global Research policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits.

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BoFA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

This report may refer to fixed income securities or other financial instruments that may not be offered or sold in one or more states or jurisdictions, or to certain categories of investors, including retail investors. Readers of this report are advised that any discussion, recommendation or other mention of such instruments is not a solicitation or offer to transact in such instruments. Investors should contact their BoFA Securities representative or Merrill Global Wealth Management financial advisor for information relating to such instruments. Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

Officers of BoFA or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments.

Refer to [BoFA Global Research policies relating to conflicts of interest](#).

"BoFA Securities" includes BoFA Securities, Inc. ("BoFA") and its affiliates. Investors should contact their BoFA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. "BoFA Securities" is a global brand for BoFA Global Research.

BoFA and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BoFA Securities Europe SA is authorized by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BoFA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at www.bofam.com/BoFASEdisclaimer; BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch Equities (Australia) Limited, regulated by the Australian Securities and Investments Commission; Merrill Lynch (Hong Kong): Merrill Lynch (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSF); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch Canada Inc, regulated by the Canadian Investment Regulatory Organization; Merrill Lynch (Mexico): Merrill Lynch Mexico, SA de CV, Casa de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; BofAS Japan: BoFA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BoFA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch Israel Limited, regulated by Israel Securities Authority; Merrill Lynch (DIFC): Merrill Lynch International (DIFC Branch), regulated by the Dubai Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch S.A. Corretora de Títulos e Valores Mobiliários, regulated by Comissão de Valores Mobiliários; Merrill Lynch KSA Company: Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority.

This information has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSF; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to 'Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA. Information prepared and issued by Merrill Lynch (DIFC) is done so in accordance with the requirements of the DFSA conduct of business rules. BoFA Europe (Frankfurt) distributes this information in Germany and is regulated by BaFin, the ECB and the CBI. BoFA Securities entities, including BoFA Europe and BofASE (France), may outsource/delegate the marketing and/or provision of certain research services or aspects of research services to other branches or members of the BoFA Securities group. You may be contacted by a different BoFA Securities entity acting for and on behalf of your service provider where permitted by applicable law. This does not change your service provider. Please refer to the [Electronic Communications Disclaimers](#) for further information.

This information has been prepared and issued by BoFA and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BoFA and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BoFA and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BoFA and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BoFA Securities.



This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

This report may contain a short-term trading idea or recommendation, which highlights a specific near-term catalyst or event impacting the issuer or the market that is anticipated to have a short-term price impact on the equity securities of the issuer. Short-term trading ideas and recommendations are different from and do not affect a stock's fundamental equity rating, which reflects both a longer term total return expectation and attractiveness for investment relative to other stocks within its Coverage Cluster. Short-term trading ideas and recommendations may be more or less positive than a stock's fundamental equity rating.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information.

In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

Copyright 2024 Bank of America Corporation. All rights reserved. iQDatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities.

Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this material. BofA Global Research personnel's knowledge of legal proceedings in which any BofA Securities entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving issuers mentioned in this material is based on public information. Facts and views presented in this material that relate to any such proceedings have not been reviewed by, discussed with, and may not reflect information known to, professionals in other business areas of BofA Securities in connection with the legal proceedings or matters relevant to such proceedings.

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this information.