

Telecom - ASEAN

Indo Telcos - key takeaways from TLKM at **BofA ASEAN conference + 4Q23 preview**

Price Objective Change

Indo - key takeaways from the BofA ASEAN Conference

We hosted PT Telkom at the BofA ASEAN Conference on 12 Jan 2024. TLKM sees positive signs from fixed mobile convergence - or bundling of mobile + broadband with the spin-off of its broadband business Indihome from the group to the cellular subsidiary Telkomsel. On cellular front – Telkomsel is willing to give up some subscribers share if they can maintain their overall revenue market share largely stable. We stay Neutral on TLKM, as we see key near-term catalysts missing for the stock and find riskreward balanced at these levels.

Competition: Stays rational with some aggression ex-Java

Telkomsel highlighted on the call that the overall competitive landscape in Indonesia has improved post consolidation and expects price rationality to prevail as telcos need to reserve cash for upcoming 5G spectrum auctions. However, they also alluded that when operators enter green field ex-Java market, they enter with aggressive/attractive pricing, and they're willing to give-up some market share here (from c.75-80%). We believe the entry of other telcos like XL Axiata into new markets in ex-Java with better value offerings would translate into some market share loss for TSEL, and accordingly expect revenue market share for TSEL to decline to 48.7% by 2025E from 50.6% in 2022.

Data Centers: Looking for strategic investors to grow biz

Telkom has two hyperscale data centers (DC) coming up – one in Batam, to capture the spillover demand from SG and another in Cikarang. All TLKM data centers have been merged under one roof – "Telkom Data Ekosistem", and this entity is open for strategic investors to come in. Per TLKM, in Indonesia – the domestic DC demand is still low but the demand by 2030 is expected to grow to 1000MW - of this Telkom wants to capture 20-25% or have total 400MW capacity (additional 200-250MW). To unlock this opportunity – Telkom is looking to partner with strategic investors – and have already signed a financial advisor earlier this year to find the right strategic investor. They said they will not give a majority stake – but maybe in the range of c.30% stake.

4Q23 preview: expect positive impact of Nov price hikes

We expect 4Q to be a good quarter for Indo telcos, with seasonally strong data growth in festive quarter helping absorb the price hikes by telcos in November. For TLKM – we expect good quarter for Telkomsel with some benefits from Indihome integration but expect other group business (infra co/enterprise/DC) to be soft – as they're still in investment phase. We accordingly expect revenue/net income growth flat/-3% qoq for TLKM. With this note we slightly raise our DCF based PO for TLKM to IDR4,015 (from IDR4,000) as we see synergy capture from Indihome integration in later years.

17 January 2024

Equity **ASEAN** Telecommunications

Sukriti Bansal >> Research Analyst Merrill Lynch (Singapore)

+65 6678 0454 sukriti.bansal@bofa.com

Sachin Salgaonkar >> Research Analyst BofAS India +91 22 6632 8667 sachin.salgaonkar@bofa.com

Exhibit 1: Indo telcos key changes

We adjust our PO for TLKM

			%				
	Previous Current		change				
	PT Telkom						
Price Obj.	4,000	4,015	0.4%				
EPS (Rp)							
FY23E	275.2	263.6	-4.2%				
FY24E	277.4	276.9	-0.2%				
FY25E	295.0	294.5	-0.2%				

Source: BofA Global Research

BofA GLOBAL RESEARCH

ARPU: Average revenue per user

TLKM: PT Telkom

TSEL: Telkomsel

XL: XL Axiata

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 5 to 9. Analyst Certification on page 3. Price Objective Basis/Risk on page 3. 12646322

Timestamp: 16 January 2024 03:30PM EST

>> Employed by a non-US affiliate of BofAS and is not registered/qualified as a research analyst under the FINRA rules

Refer to "Other Important Disclosures" for information on certain BofA Securities entities that take responsibility for the information herein in particular jurisdictions.

Indo Telcos 4Q preview

We expect 4Q to be a good quarter for Indo telcos with seasonally stronger data growth qoq - due to festive contribution driving higher data consumption in 4Q. This along with lower competition and residual positive impact seen from price hike at both XL and TSEL (TLKM) in November, is expected to further help the momentum for a good 4Q overall. This will be the second quarter for TLKM post Indihome integration into Telkomsel - TSEL numbers are thereby comparable qoq but not yoy (ex-Indihome).

TLKM: For TLKM we expect to see some seasonal strength at Telkomsel along with positive impact of November price hikes. We accordingly expect 3%/2% revenue/net income growth for Telkomsel in 4Q23E. However, we expect Telkomsel growth to be offset by weaker growth in other group business – infra co/enterprise/DC – as they're still in investment phase and accordingly forecast flat/-3% qoq revenue/net income growth at the group level.

4Q22 had a net income one-off for TLKM due to impact of unrealized loss on changes in fair value of investments of IDR3.4 trillion mainly to recognize unrealized loss from their investment in GoTo due to GoTo's stock price correction. Accordingly, reported net income is expected to grow 58% YoY, but decline 12% YoY adjusted for this impact, on higher interest costs.

Exhibit 2: TLKM consolidated financials (IDR bn)

TLKM is expected to see flat revenue yoy in 4Q23; reported net income declining slightly as they invest in new businesses

TLKM	4Q22	3Q23	4Q23E	YoY	QoQ
Revenue	38,432	37,760	37,810	-2%	0%
EBITDA	19,533	20,709	20,062	3%	-3%
EBITDA margin	50.8%	54.8%	53.1%	2.2 pps	-1.8 pps
Net Income (Reported)	4,172	6,773	6,579	58%	-3%

Source: BofA Global Research estimates

BofA GLOBAL RESEARCH

Exhibit 3: TSEL financials (IDR bn)

The mobile arm TSEL is expected to see QoQ growth with impact from November price increases $\,$

TSEL	4Q22	3Q23	4Q23E	YoY	QoQ
Revenue	22,878	29,184	30,108	32%	3%
EBITDA	8,963	13,282	13,838	54%	4%
EBITDA margin	39.2%	45.5%	46.0%	6.8 pps	0.4 pps
Net Income (Reported)	1,578	5,493	5,600	255%	2%

Source: BofA Global Research estimates

BofA GLOBAL RESEARCH

Estimate changes

With this note – we slightly change our earnings forecasts for PT TLKM to reflect our latest views. We expect net income to be impacted near term by slightly higher interest costs/D&A with revenue/EBITDA largely the same – as slightly higher Telkomsel growth is offset by slower growth at the group level with enterprise/Infra and DC businesses in investment phase. However, as these businesses turn around – we build in higher future growth and accordingly our DCF (10-year) based PO for TLKM increases IDR4,015 (from IDR4,000) as we see synergy capture from Indihome integration and new businesses growth in future.



Exhibit 4: PT TLKM - change of estimates - 2023E-25E

We cut our net income estimates by an avg. 1% lower than before

Year-ending D	ec	FY23E	FY24E	FY25E
Revenue	venue New		152,810	158,526
	Previous	149,251	153,024	158,749
	% diff	-0.1%	-0.1%	-0.1%
EBITDA	New	79,155	81,535	85,013
	Previous	79,263	81,649	85,132
	% diff	-0.1%	-0.1%	-0.1%
EBIT	New	46,835	47,965	50,904
	Previous	46,899	48,035	50,983
	% diff	-0.1%	-0.1%	-0.2%
Net income	New	26,108	27,435	29,177
	Previous	27,266	27,476	29,225
	% diff	-4.2%	-0.1%	-0.2%

Source: BofA Global Research estimates

BofA GLOBAL RESEARCH

Stocks mentioned

Prices and ratings for stocks mentioned in this report

BofA Ticker	Bloomberg ticker	Company name	Price	Rating
TLK	TLK US	PT Telkom	US\$ 25.93	B-2-7
TLKMF	TLKM IJ	PT Telkom	Rp 4010	A-2-7

Source: BofA Global Research

Price objective basis & risk

PT Telkom (TLKMF / TLK)

Our sum of the parts (SOTP) based price objective of Rp4,015 (US\$26.98) is derived by IDR3,532 discounted cash flow (DCF) valuation of core TLKM business, driven by a 10.7% weighted-average cost of capital (WACC) and a 3.5% terminal growth rate and market value of tower co. Mitratel. We feed a 7.7% risk free rate and 0.8x beta to derive our WACC.

Downside risks are (1) higher-than-expected price competition, and (2) higher-than-expected market share losses to Indosat-Hutch and XL Axiata.

Upside risks are: (1) stronger-than-expected revenue growth, EBITDA margins and earnings and (2) retention of market share

Analyst Certification

I, Sukriti Bansal, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

Special Disclosures

In accordance with the SEBI (Foreign Portfolio Investors) Regulations, 2019 and with guidelines issued by the Securities and Exchange Board of India (SEBI), foreign investors (individuals as well as institutional) that wish to transact the common stock of Indian companies must have applied to, and have been approved as per



SEBI (Foreign Portfolio Investors) Regulations, 2019. Each investor who proposes to transact common stock of Indian companies will be required to obtain Foreign Portfolio Investor (FPI) registration as per SEBI (Foreign Portfolio Investors) Regulations, 2019. Certain other entities are also entitled to transact common stock of Indian companies under the Indian laws relating to investment by foreigners. BofA Securities reserves the right to refuse to provide a copy of research on common stock of Indian companies to a person not resident in India. American Depositary Receipts (ADR) representing such common stock are not subject to these Indian law restrictions and may be transacted by investors in accordance with the applicable laws of the relevant jurisdiction. Global Depository Receipts (GDR) and the Global Depository Shares (GDS) of Indian companies, Indian limited liability corporations, have not been registered under the U.S. Securities Act of 1933, as amended, and may only be transacted by persons in the United States who are Qualified Institutional Buyers (QIBs) within the meaning of Rule 144A under the Securities Act. Accordingly, no copy of any research report on Indian companies' GDRs or GDSs will be made available to persons who are not QIBs.

BofA Securities India Limited (BofAS India) is regulated by the Securities and Exchange Board of India (SEBI) and provides the following services in India: Research, Equity Sales & Trading, Futures & Options, Electronic Trading, Equity Capital Markets, Debt Capital Markets and M&A. SEBI Registration Nos. Research Analyst: INH000000503, Stock Broking: INZ000217333 (Trading and Clearing Member of NSE and BSE - Capital Markets and Equity Derivatives), Merchant Banker: INM000011625, CIN U74140MH1975PLC018618. Registration granted by SEBI and certification from National Institute of Securities Markets (NISM) in no way guarantee performance of the intermediary or provide any assurance of returns to investors. BofAS India's registered office is at Ground Floor, A Wing, One BKC, G Block, Bandra Kurla Complex, Bandra (East), Mumbai 400 051, India, Tel: +91 22 6632 8000 and the contact details of its Compliance Officer (Shervin Purohit) are: Tel: (91-22) 6632 8853, Email: shervin.purohit@bofa.com. For specific grievances, if any, please contact the Grievance Officer (Amish Shah) and contact details are: Tel: (91-22) 6632 8000, Email: dg.rsch_in_complaint@bofa.com. Investment in securities market are subject to market risks. Read all the related documents carefully before investing.



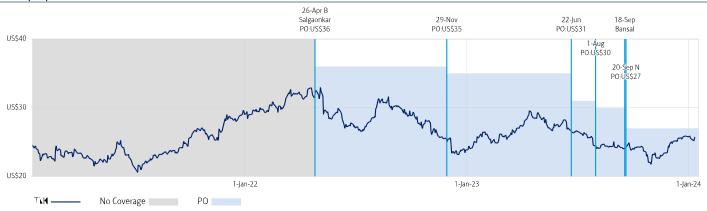
APR - Telecommunications Coverage Cluster

Investment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	Advanced Info	AVIZF	ADVANC TB	Thitithep Nophaket
	CelcomDigi	DIGBF	CDB MK	Sukriti Bansal
	Converge ICT	XLERF	CNVRG PM	Jonathan Gabriel Madrid
	Digital Telecommunications Infra Fund	TTCFF	DIF TB	Thitithep Nophaket
	Far EasTone	FEOTF	4904 TT	Brooksley Kang
	GDS Holdings	GDS	GDS US	Daley Li, CFA
	GDS Holdings	XMJFF	9698 HK	Daley Li, CFA
	Indus Towers	XYYAF	INDUSTOW IN	Sachin Salgaonkar
	INTUCH	XIHTF	INTUCH TB	Thitithep Nophaket
	KT	KTCNF	030200 KS	Sun Jung Lee
	KT	KT	KT US	Sun Jung Lee
	NextDC Limited	NXDCF	NXT AU	Ware Kuo
	PLDT	PHTCF	TEL PM	Jonathan Gabriel Madrid
	PLDT -A	PHI	PHIUS	Jonathan Gabriel Madrid
	Singtel	SNGNF	ST SP	Sachin Salgaonkar
	SK Telecom	SKMTF	017670 KS	Sun Jung Lee
	SK Telecom	SKM	SKM US	Sun Jung Lee
	Taiwan Mobile	TWMBF	3045 TT	Brooksley Kang
	Telstra Group	TTRAF	TLS AU	Ware Kuo
	Telstra Group-A	TLGPY	TLGPY US	Ware Kuo
	TPG Telecom	TPGTF	TPG AU	Ware Kuo
	XL Axiata	PTXAF	EXCL IJ	Sukriti Bansal
NEUTRAL			·	
HEO HALE	Bharti Airtel	BHTIF	BHARTI IN	Sachin Salgaonkar
	Chunghwa Telecom	CHWAF	2412 TT	Brooksley Kang
	Chunghwa Telecom	CHT	CHT US	Brooksley Kang
	LG Uplus	LTCLF	032640 KS	Sun Jung Lee
	Megaport Ltd	MGPPF	MP1 AU	Ware Kuo
	PT Telkom	TLKMF	TLKM IJ	Sukriti Bansal
	PT Telkom	TLK	TLK US	Sukriti Bansal
	Spark New Zealand Ltd	NZTCF	SPK NZ	Ware Kuo
	Spark New Zealand LtdSP ADR	SPKKY	SPKKY US	Ware Kuo
	True Corporation	XTPCF	TRUE TB	Thitithep Nophaket
	VNET Group	VNET	VNET US	Daley Li, CFA
INDEPENDENT	viver Gloup	VIVE	VIVETOS	bailey El, el A
UNDERPERFORM	Axiata	AVVTF	AVIATA NAIZ	Culviti Pancal
	Axiata Vodafone Idea	AXXTF IDEAF	AXIATA MK	Sukriti Bansal
	voudione lued	IDEAF	IDEA IN	Sachin Salgaonkar
RVW				
	TM	MYTEF	TMK	Sachin Salgaonkar
				, and the second

Disclosures

Important Disclosures

PT Telkom (TLK) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

PT Telkom (TLKMF) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

Equity Investment Rating Distribution: Telecommunications Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	57	51.82%	Buy	43	75.44%
Hold	27	24.55%	Hold	17	62.96%
Sell	26	23.64%	Sell	12	46.15%

Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.



FUNDAMENTAL EQUITY OPINION KEY: Opinions include a Volatility Risk Rating, an Investment Rating and an Income Rating. VOLATILITY RISK RATINGS, indicators of potential price fluctuation, are: A - Low, B - Medium and C - High. INVESTMENT RATINGS reflect the analyst's assessment of both a stock's absolute total return potential as well as its attractiveness for investment relative to other stocks within its Coverage Cluster (defined below). Our investment ratings are: 1 - Buy stocks are expected to have a total return of at least 10% and are the most attractive stocks in the coverage cluster; 2 - Neutral stocks are expected to remain flat or increase in value and are less attractive than Buy rated stocks and 3 - Underperform stocks are the least attractive stocks in a coverage cluster. An investment rating of 6 (No Rating) indicates that a stock is no longer trading on the basis of fundamentals. Analysts assign investment ratings considering, among other things, the 0-12 month total return expectation for a stock and the firm's guidelines for ratings dispersions (shown in the table below). The current price objective for a stock should be referenced to better understand the total return expectation at any given time. The price objective reflects the analyst's view of the potential price appreciation (depreciation).

Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster^{R2}

 Buy
 ≥ 10%
 ≤ 70%

 Neutral
 ≥ 0%
 ≤ 30%

 Underperform
 N/A
 ≥ 20%

INCOME RATINGS, indicators of potential cash dividends, are: 7 - same/higher (dividend considered to be secure), 8 - same/lower (dividend not considered to be secure) and 9 - pays no cash dividend. Coverage Cluster is comprised of stocks covered by a single analyst or two or more analysts sharing a common industry, sector, region or other classification(s). A stock's coverage cluster is included in the most recent BofA Global Research report referencing the stock.

Price Charts for the securities referenced in this research report are available on the Price Charts website, or call 1-800-MERRILL to have them mailed.

BofAS or one of its affiliates acts as a market maker for the equity securities recommended in the report: PT Telkom.

The issuer is or was, within the last 12 months, an investment banking client of BofAS and/or one or more of its affiliates: PT Telkom.

BofAS or an affiliate has received compensation for investment banking services from this issuer within the past 12 months: PT Telkom.

BofAS or an affiliate expects to receive or intends to seek compensation for investment banking services from this issuer or an affiliate of the issuer within the next three months: PT Telkom. BofAS or one of its affiliates is willing to sell to, or buy from, clients the common equity of the issuer on a principal basis: PT Telkom.

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.

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 BofAS 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. ("BofAS") 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.

Information relating to Non-US affiliates of BofA Securities and Distribution of Affiliate Research Reports:

BofAS 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.bofaml.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 (Hong Kong): Merr (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); 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 (I 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 HKSFC; 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)



R2 Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

(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 BofAS 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. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS 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 BofAS 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 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.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned herein. Investors in such securities and instruments, including ADRs, effectively assume currency risk.

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 and General Information:

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 inform

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.

Subject to the quiet period applicable under laws of the various jurisdictions in which we distribute research reports and other legal and BofA Securities policy-related restrictions on the publication of research reports, fundamental equity reports are produced on a regular basis as necessary to keep the investment recommendation current.

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

