

FEBRUARY & MARCH 2023

# Hong Kong/China Equity Perspectives

## Stars Aligning in the Year of the Rabbit

### Summary

There are plenty of reasons to adopt an upbeat 2023 outlook for the Hong Kong/China market. On top of easier comparison against a very sluggish 2022, cyclical trends are already turning in 2023. First, China's speedy reopening in 2023 could give rise to a strong rebound in private consumption. Second, we believe the solvency risks in the property sector is now confined. Third, regulatory overhauls in tech appears to be easing. Lastly, valuations remain cheap. The macro backdrop of China is in sharp contrast to the global economy, especially Europe and the Americas, which are forecasted to experience significant GDP<sup>1</sup> growth slowdown in 2023.

The eventual reopening of China's border coincided with a much higher level of COVID immunity, which entails lower mortality and a smooth transition to normal life. Many Chinese municipal governments are aiming for 5-6% GDP growth in 2023.

China equities and other equity markets have shown weak correlations over the years. Given the gloomy economic outlook and possibly choppy stock markets in the US and Europe, prudent investors should rebalance their investment portfolio across low-correlation markets. Indeed, global funds have started rebuilding positions in China's equity market in late 2022. According to IIF<sup>2</sup>, foreigners net bought USD8.5 trillion and USD6.3 trillion of China equities in November and December 2022 respectively, more than reversing a USD8.5 trillion sell-off in October 2022.

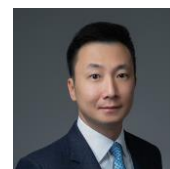
1. GDP: Gross Domestic Product
2. IIF: Institute of International Finance
3. DCMM: Dual Counter Market Making Programme
4. NEV: New Energy Vehicle
5. PMI: *Purchasing Managers' Index*

### Notable developments in selected sectors

- China Internet: The pendulum of China's internet sector regulations has swung from stringent guidelines to potential loosening.
- China Banking & Insurance: Credit risks related to property sector loans have been dramatically reduced.
- China Property: The liquidity provided by the government-led rescue package could plug the capital holes in unfinished real estate projects.
- Hong Kong Financial Services: We expect DCMM<sup>3</sup> to bring new opportunities such as arbitrage and broader product offerings.
- China Travelling & Airlines: Huge pent-up demand for travelling by mainland Chinese after three years of lockdowns.
- China Automobile Manufacturing: We expect NEV<sup>4</sup> penetration rate to continue to rise and price competition to remain.
- China Metals & Materials: Manufacturing PMI<sup>5</sup> in contraction territory suggests that demand for metals & materials could remain weak in the near term.
- China Oil & Gas: The macro backdrop for 2023 appears to be a mirror image of 2022.

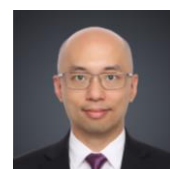
Chris ZEE

Head of Equity Advisory, Asia  
BNP Paribas



Darren LEE

Investment Adviser  
Equity Advisory Asia  
BNP Paribas



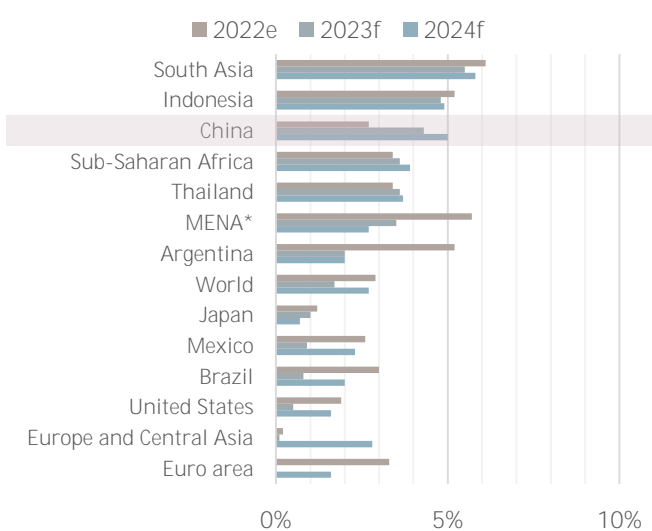
**BNP PARIBAS**  
WEALTH MANAGEMENT

The bank  
for a changing  
world

### Year 2023: Stars Aligning

There are plenty of reasons to adopt an upbeat 2023 outlook for the Hong Kong/China market. On top of easier comparison against a very sluggish 2022, cyclical trends are already turning in 2023. First, China’s speedy reopening could give rise to a strong rebound in private consumption. Second, we believe the solvency risk in the property sector is now confined. Third, regulatory overhauls towards the tech sector appear to be easing of late. Lastly, valuations remain cheap in terms of price-to-earnings ratio, cash flow yield and expected long-term earnings growth. The macro backdrop of China is in sharp contrast to that of the global economy, especially Europe and the Americas, which are forecasted to experience significant GDP growth slowdown in 2023 (see Chart 1).

**CHART 1. GDP GROWTH FORECAST FOR MAJOR ECONOMIES**



Source: World Bank, as of 10 January 2023  
 \* MENA: Middle East and North Africa

### China Reopening at Lightning Speed

China’s “20 measures to enhance epidemic control” announced by the central government on 11 November 2022 marked the turning point of the country’s COVID policy. Despite the countrywide resurgence in cases, the central government had made it very clear that local governments should remove all unnecessary curbs.

Then, at the Central Economic Work Conference

(CEWC) in December 2022, China’s senior leadership set reviving domestic consumption a top priority for 2023. The government will tackle this year’s economic issues through opening up the economy, deepening the reform of state-owned enterprises (SOEs), and magnetising foreign investments.

The eventual reopening of China’s border on 8 January 2023 coincided with a much higher level of COVID immunity, which entails lower mortality and a smooth transition to normal life. Based on the experience of other countries, COVID waves commonly peak in 1-2 months after the initial upswing of new cases. As the last outbreak in China began in mid-November 2022, the number of new infections presumably dwindled in January 2023. The majority of citizens across all age groups should either be fully vaccinated or have acquired natural immunity against various COVID variants.

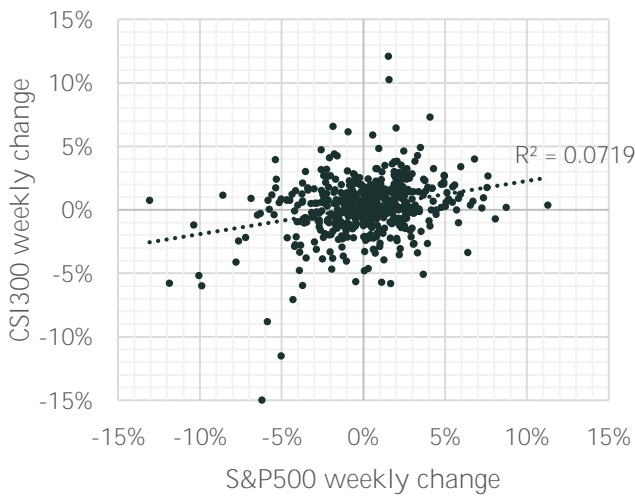
### In an Upside Down World

The world’s real GDP growth forecast for 2023 is between -0.4% and 4.5%, according to Bloomberg. Assuming a median growth rate (2.1%), the world economy is expected to expand at the third slowest pace, after the pandemic-hit 2020 (-3.0%) and crisis-struck 2009 (-0.8%). Our Chief Investment Officer reckons Europe may already be in a recession and sees a 65% chance of US recession in the 2023. On the other hand, we expect China’s GDP growth to rebound to 4.5%. Of note, many municipal governments (e.g. Shanghai, Guangdong, Jiangsu and Zhejiang) are aiming for 5-6% GDP growth in 2023.

Also, China equities and other equity markets have shown weak correlations over the years (see Chart 2). Given the gloomy economic outlook and possibly choppy stock markets in the US and Europe, prudent investors should rebalance their investment portfolio across low-correlation markets. Indeed, global funds have started rebuilding positions in China equities in late 2022. According to IIF, foreigners net bought USD8.5 trillion and USD6.3 trillion of China equities in November and December 2022 respectively, more than reversing a USD8.5 trillion sell-off in October 2022 (see Chart 3).

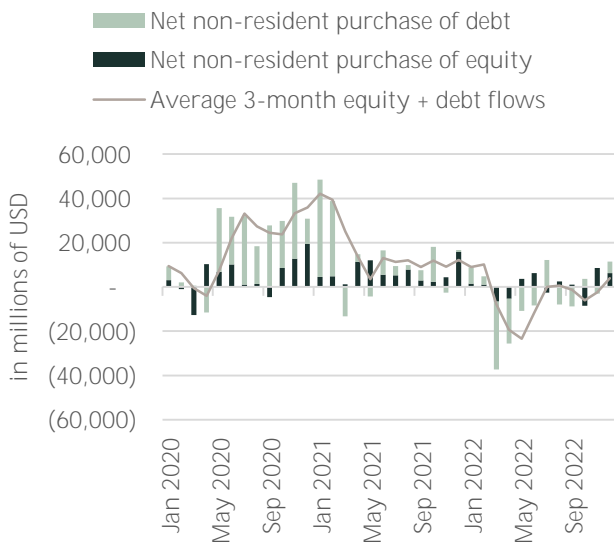
Last but not least, we wish you a joyful and prosperous 2023!

**CHART 2. WEEKLY CHANGE IN CHINA CSI300 INDEX VERSUS US S&P500 INDEX**



Source: Bloomberg, as of 20 January 2023  
Past performance is not indicative of current or future performance.

**CHART 3. NON-RESIDENT PURCHASE OF CHINA EQUITY & DEBT, 2020-2022**



Source: Institute of International Finance, as of 11 January 2023

**Notable developments in selected sectors and industries**

**1) China Internet**

The pendulum of China’s internet sector regulations has swung from stringent guidelines at the end of 2020 and most of 2021, reinforcement of controls in 2022, and now potential loosening in 2023. Comparing the press releases of CEWC 2021 and

CEWC 2022, there was a notable positive change in the attitude towards the internet sector. The government now advocates vigorous growth of the platform economy and normalisation of regulatory standards. It also calls for internet platforms to lead developments, create jobs and display global competitiveness. These are in stark contrast to the previous year’s themes of strengthening supervision and preventing unrestrained growth.

Separately, after months of suspension, China has begun to resume the approvals of online/video games of large game developers since September 2022. Prior to this, approvals had been granted specifically to small and medium-sized developers, but recent rounds started to also include the large players, which would bode well for the tech sector.

In addition to a more constructive view that the internet sector should play a bigger role in China’s economy, the top leaders vowed to fortify support for private enterprises. CEWC specifically requested fair treatment of private enterprises, i.e. policies will lean less towards SOEs. As all of the leading China internet companies are privately owned, they are set to regain strength in a more business-friendly environment in 2023.

Valuations of China internet companies were wrecked in 2021-22 amid regulatory clampdowns, realignments of business strategies and COVID disruptions. Despite the sharp market rebound that began in early November 2022, share prices of leading China internet companies are still far off their historical highs (see Table 4). As the focal point of China’s policy is moving from pandemic control to revitalising the economy, we think the China internet sector will not just be facing fewer hurdles, but may also receive blessings from the government in 2023. Each of these companies has thousands of employees and indirectly provides hundreds of thousands of jobs at small and medium-sized enterprises that depend on these industry colossuses. Therefore, we will not be surprised to see favourable policies and requests from the government to renew business expansion. By segment, we favour e-commerce, followed by advertising and lastly mobile gaming.

**TABLE 4. SHARE PRICE PERFORMANCE OF LEADING CHINA INTERNET COMPANIES**

	Last share price peak date	Change from last peak
E-Commerce #1	27 Oct 2020	-62.2%
E-Commerce #2	17 Feb 2021	-54.2%
E-Commerce #3	17 Feb 2021	-42.0%
Food Delivery #1	17 Feb 2021	-62.8%
Online Travel #1	16 Mar 2021	-14.1%
Search Engine #1	19 Feb 2021	-60.1%
Mobile Gaming #1	25 Jan 2021	-44.1%
Mobile Gaming #2	11 Feb 2021	-31.0%

Source: Bloomberg, as of 20 January 2023

## 2) China Banking & Insurance

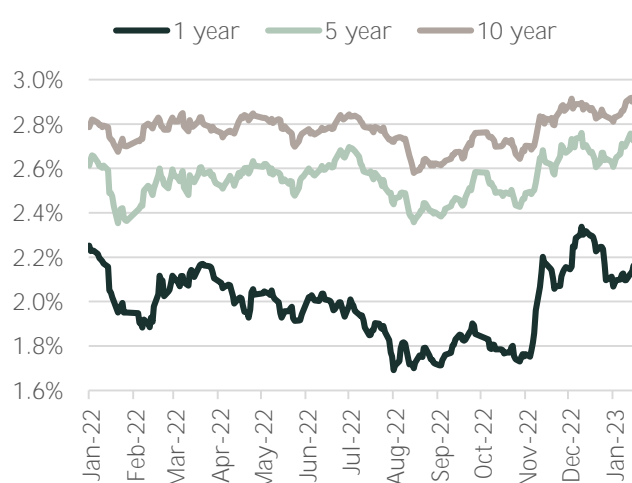
Although credit risks related to property sector loans have been dramatically reduced by the regulators' "16-point financial plan" published on 11 November 2022, it appears that the market is more concerned about declining profits from wealth management products (WMPs), net interest margin (NIM) compression, as well as slower loan growth in 2023. We hold a contrarian viewpoint that the China banking sector, especially the large SOE banks, should perform well in the post-pandemic recovery.

On the back of the regulators' rescue package and the People's Bank of China (PBoC)'s monetary easing via cutting reserve requirement ratios, several Hong Kong-listed property developers successfully shored up capital in the past two months through share placements and secured new credit lines. The coordinated actions have triggered a sharp rebound in China high-yield bond prices, which suggests lower default risks for property sector loans.

One of the most pronounced market headwinds for Chinese banks is that a significant portion of outstanding mortgage loans had their annual interest rates reset on 1 January 2023. The benchmark 5-year loan prime rate (LPR) was cut from 4.65% to 4.3% in August 2022. On top of the rate cut, PBoC and the China Banking and Insurance Regulatory Commission cancelled the floor rate for mortgages in September 2022, following the decision to cut the floor rate from LPR to LPR-minus-20 basis points (bps) in May 2022. We

estimate that many residential mortgages saw interest rate reduction in the north of 55 bps. However, we believe PBoC is granted flexibility to launch more monetary easing initiatives when needed. We also noticed that top government officials and regulators did not reiterate the phrase "refrain from a deluge of strong stimulus policies" in their recent announcement and speeches. Therefore, we think new loan growth, driven by rising money supply, will offset NIM shrinkage. We also think banks can fill the commission income gap left by lower WMP sales with higher bancassurance sales.

For insurance companies, the opportunities arising from the ongoing shift in sales mix – from agents to the bancassurance channel – is a two-edged sword. While banks are incentivised to help drive gross written premium growth for life insurers, the inherently lower profit margin of bancassurance products will inevitably weigh on life insurers' average new business value margin. In 2023, we are inclined to perceive insurance companies as stocks with a high beta to China's bond and equity markets. According to China Central Depository & Clearing Co., the benchmark ChinaBond Government Bond Yields have rebounded across all maturities since November 2022 (see Chart 5). Considering that life insurers tend to have negative duration gaps, their intrinsic value should have rallied with interest rates.

**CHART 5. CHINABOND GOVERNMENT BOND YIELDS**

Source: China Central Depository & Clearing Co., BNPP WM, as of 20 January 2023

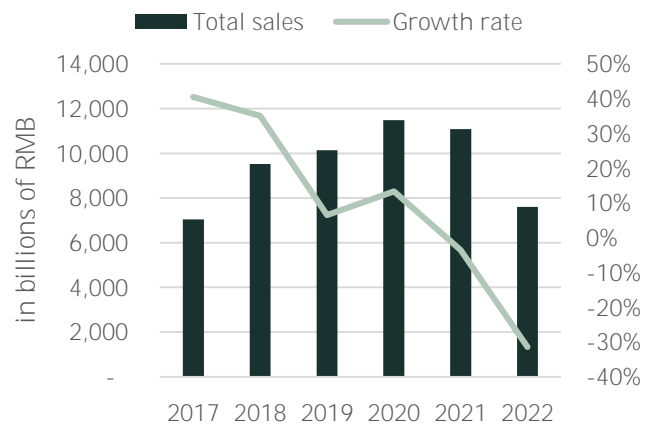
### 3) China Property

A comprehensive rescue package to ease the liquidity crunch in the property sector is certainly positive for the economy and especially for property-related industries. We think the liquidity provided by (i) a government-led property stabilisation fund of circa RMB300 billion approved in August 2022, (ii) RMB200 billion of targeted loans provided by three national strategic banks, and (iii) a maximum of RMB1.275 trillion from the strategic cooperation agreements among six state-owned banks and a handful of selected property developers, could plug the capital holes in unfinished real estate projects. According to the China Real Estate Index System, total sales of the top 100 property developers was RMB7.6 trillion in 2022, accounting for 39% of market share. In other words, the aggregate financial support was equal to about 23% of property sales of the country’s top 100 developers last year.

In November 2022, the China Securities Regulatory Commission (CSRC) also rolled out coordinated measures to facilitate recapitalisations of property developers, including (i) reauthorising financing for mergers and acquisitions of listed property developers; (ii) reauthorising non-public refinancing for projects that are in line with government-supported housings; (iii) overseas listed companies will enjoy the same policies as A-share listed companies; (iv) promoting the issuance of real estate investment trusts; and (v) facilitating private equity investment in existing real estate projects.

However, at the end of the day, the value of a company is determined by its long-term profitability and sustainability. In the event of a massive market consolidation, we reckon the few survivors would be able to claim much larger market share, though the total market size probably will not beef up to the pre-2021 monstrous size (see Chart 6), as long as the “housing is for living in, not for speculation” theme is being upheld. We believe property developers that have secured strategic cooperation agreements with banks and those that have successfully raised capital in the equity market are more likely to be the survivors.

**CHART 6. TOTAL SALES OF TOP100 CHINA PROPERTY DEVELOPERS**



Source: China Real Estate Index System, as of 31 December 2022

### 4) Hong Kong Financial Services

Hong Kong is introducing a HKD-RMB Dual Counter Model and DCMM in the first half of 2023. These new initiatives aim to enhance market liquidity and minimise price discrepancies between RMB and HKD counters of the same underlying securities. (Note: To make it clear, RMB counters are HK-listed shares that are quoted in RMB, but not A-shares via Northbound Stock Connect.) We see upside potential for the Hong Kong stock market’s turnover in the medium to long term. We also anticipate DCMM to bring new opportunities – arbitrage and broader product offerings – to security brokers.

Under the proposed DCMM, investors will be able to interchange HKD-RMB dual counters with enhanced trading and settlement arrangements. To put it simply, Mainland China investors will be able to trade HK-listed stocks without the hassle of RMB-HKD conversion. Meanwhile, brokers/market makers will provide necessary liquidity for RMB-quoted trades via seamless tax-free interchange of the underlying securities at the backend, with a potential extra-layer of profits from latency arbitrage. An empirical study in the UK<sup>#</sup> suggested that latency arbitrage constituted about 20% of daily trading volume of the FTSE350 Index.

<sup>#</sup><https://www.nber.org/digest/202110/race-exploit-stock-price-differences-between-exchanges>

More details on DCM is scheduled to be published in 1Q23. By then, the market should have more granularity to forecast the incremental stock trading volume.

5) China Travelling & Airlines

The long-awaited reopening of China’s border happened a lot sooner than expected, whilst many analysts had assumed gradual reopening after March 2023 in their earnings forecasts. Although some countries (including Canada, India, Italy, Japan, South Korea, Malaysia, the UK and the US) quickly tightened their COVID-screenings against arrivals from China, we do not think such measures will impede mainland Chinese travelling abroad. We believe there is a huge pent-up demand for travelling by mainland Chinese after three years of pandemic. Online travel agencies are a prime beneficiary of the speedy reopening, which should enhance both sales volume and gross profit margin.

We maintain a constructive view on the Chinese airlines. The timing of operating profit recovery of airlines will mostly depend on their pricing strategies in the coming months, while it takes time

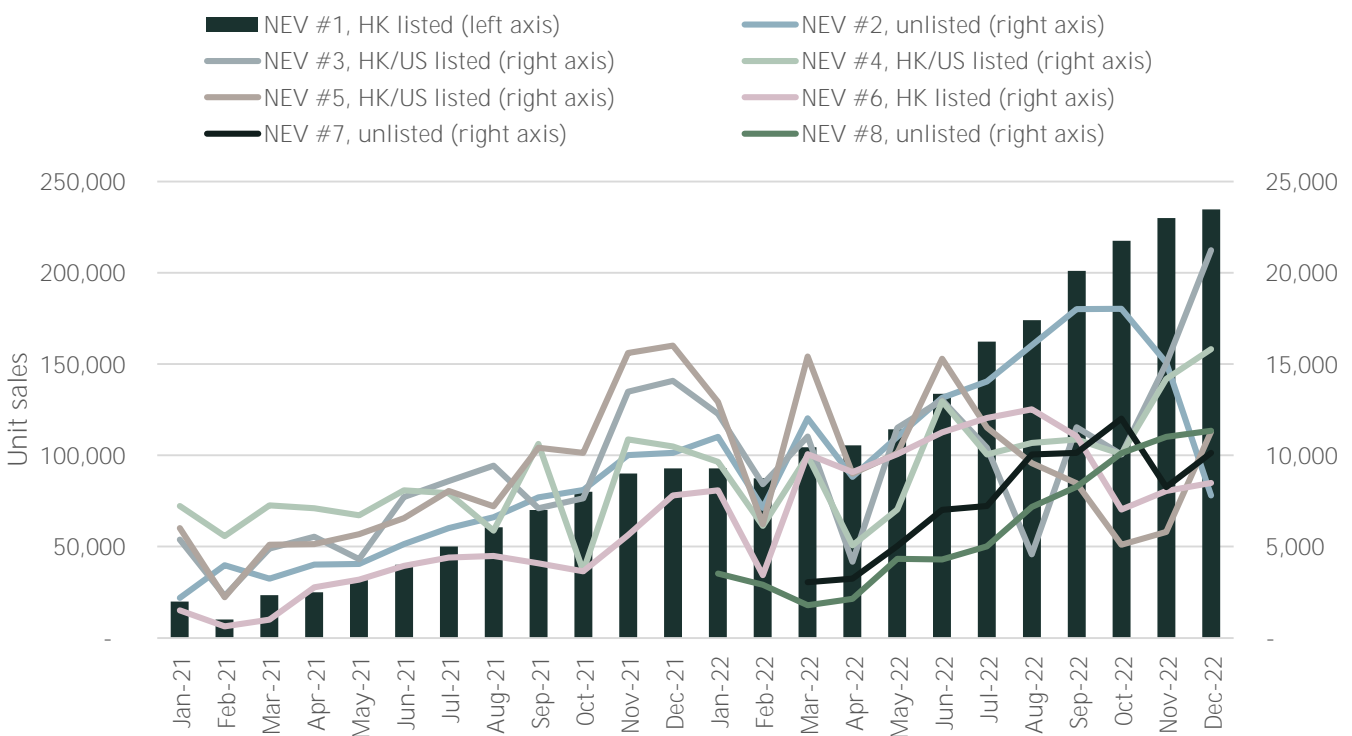
to ramp up capacity back to pre-COVID levels. However, we recommend to accumulate shares of the airlines upon price pullbacks. Indeed, we have seen profit takings at the shares of other countries’ airlines after their respective major hubs reopened borders. Share price retreats of around 10%-15% from the recent peaks should present good entry points to ride on potential re-rating of the China aviation sector.

6) China Automobile Manufacturing

The unit sales of many China NEV brands rebounded in the last two months of 2022 (see Chart 7), partly driven by a rush for utilising purchase subsidies (RMB4,800-12,600 per NEV) before expiration at end of the year.

While the NEV sector delivered mixed 3Q22 results, shares of all NEV makers rebounded across the board. We believe the upward momentum in share prices was mainly fueled by a rapid U-turn in market sentiment from risk-off to risk-on, and supplemented by the improving outlook for gross margins and unit deliveries.

**CHART 7. MONTHLY PASSENGER NEV UNIT SALES OF CHINESE BRANDS, RANKED BY TOTAL DELIVERY IN 2022**



Source: the companies, as of 3 January 2023

Despite a parabolic increase in battery-grade lithium price from less than USD14,000/metric ton in July 2021 to over USD70,000/metric ton since Feb 2022, China’s largest NEV maker, who is also set to top the global NEV unit shipment standings for 2022, successfully enhanced its gross margin through economies of scale and price hikes.

The other NEV brands have less spectacular trends in our view. On top of ongoing supply chain disruptions, we have seen stiffening price competition across all price segments. Domestic mid-to-high-end NEVs are under pressure after the leading US battery electric vehicle maker slashed prices twice in less than three months (in October 2022 and January 2023) due to weak new orders. Meanwhile, the initial public offering document of a low-end NEV maker disclosed that the company sold cars at a negative 20% gross margin.

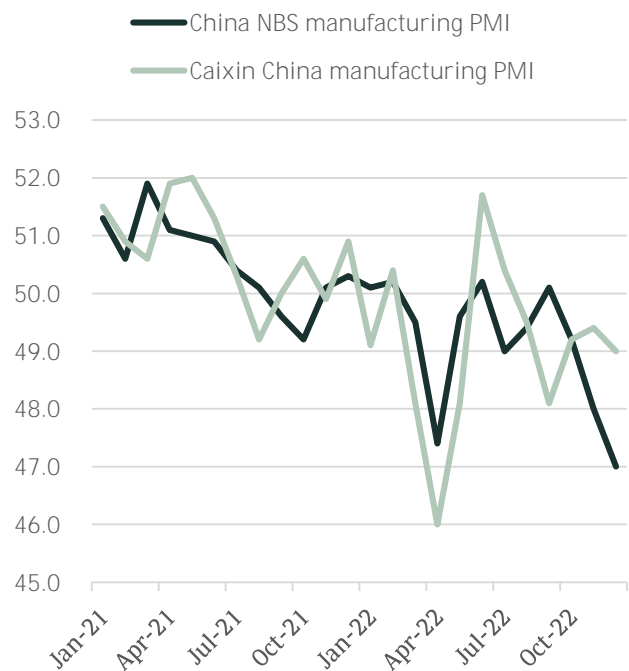
On the other hand, some of the large traditional car makers are showing encouraging transition to NEV from internal combustion engine (ICE).

In 2023, we expect NEV penetration rate to continue to increase at the expense of ICE sales, while price competition will remain. Therefore, we prefer (i) traditional car makers that have demonstrated continuing progress in ICE-to-NEV transition, and (ii) NEV makers with distinctive technologies and a clear marketing strategy.

7) China Metals & Materials

Manufacturing PMI went deeper in the contraction territory in 4Q22 (see Chart 8), suggesting that demand for metals and materials could remain weak in the near term. Both the National Bureau of Statistics and Caixin, the publishers of the PMIs, cited COVID resurgence as the primary reason for the miserable sentiment in late 2022. Yet, both institutions also said the survey respondents were expecting improvements in the coming months, though their views did not sync with the 8-month low PMI New Orders Index at 43.9%, falling 2.5 percentage points month-on-month, for December 2022. We think the weakness indeed stems from weak end-consumer demand from overseas, which could persist in the first half of 2023. The gloomy macro backdrop poses downside risks to demand for corrugated boxes.

CHART 8. CHINA MANUFACTURING PMI



Source: China National Bureau of Statistics, Caixin Global, as of 3 January 2023

Meanwhile, China reportedly held talks with four major coal importers on proposals to lift the unofficial import ban on Australian coal. The import ban, which was first imposed in October 2020, has resulted in significant supply deficit and sharp increase in domestic coal prices. According to Chinese customs data, Australian coal accounted for 48% of China’s total coking coal imports in 2020. We note that Australian FOB Newcastle 5,500 kcal/kg NAR coal price traded at a >40% discount to comparable China domestic coal. The resumption of Australian coal imports is expected to depress China’s coal prices, which in turn should relieve the gross margin pressure on heavy coal/electricity users such as steel mills and cement plants.

8) China Oil & Gas

In 2022, the year-on-year (YoY) increase in international oil prices lifted the profitability of oil & gas exploration and production industry. Meanwhile, COVID restrictions had disrupted domestic demand for refined oil and chemicals. The macro backdrop for 2023 appears to be a mirror image of 2022 – falling oil prices meeting rebounding domestic demand for refined oil and chemicals.

The China oil & gas megacaps have released operational data or preliminary results for the fiscal year of 2022. Oil producers are on track to report all-time-high profits for 2022, mostly driven by international crude oil prices (see Chart 9). On the other hand, oil refiners may see tough YoY and quarter-on-quarter comparisons due to the COVID outbreak in November and December 2022.

The latest global oil supply-demand forecast by the US Energy Information Administration is pointing at worsening over-supply throughout 2023 (see Chart 10). World production of liquid fuels is expected to increase by 1.1 million barrels per day (mbpd) in 2023 and 1.7mbpd in 2024. This increase reflects large output growth in several non-OPEC countries (namely the US, Canada, Brazil, Guyana and Norway) and also within OPEC, which would more than offset the 1.5mbpd decline in Russian production. On the other hand, oil consumption largely reflects trends in economic activity. Growth in global demand for oil is forecasted to slow in 2023 before picking up in 2024. As a result, we believe crude oil price momentum is skewed to the downside in the near term.

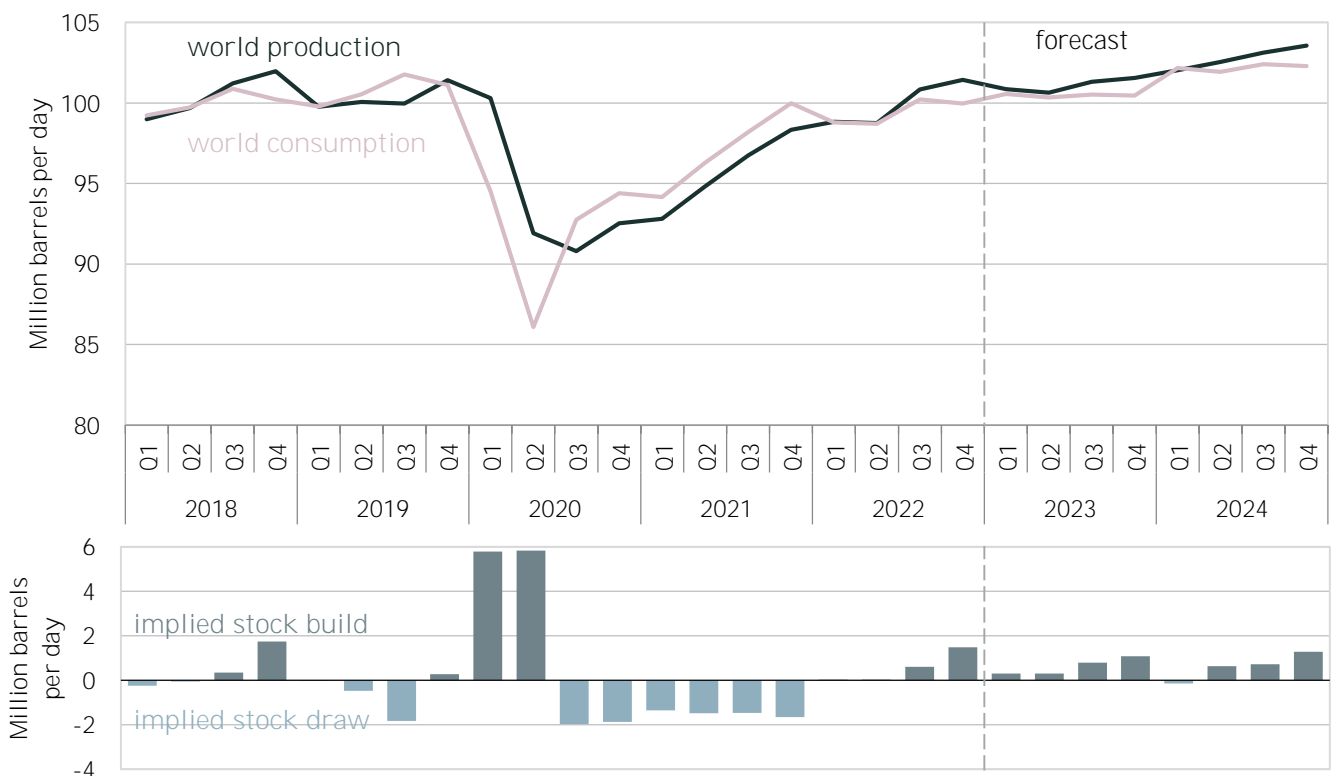
CHART 9. BRENT CRUDE OIL SPOT PRICE



	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022
Average price	60.7	68.6	73.0	79.4	99.5	112.8	99.1	88.3
YoY					64%	64%	36%	11%

Source: Bloomberg, as of 25 January 2023

CHART 10. WORLD LIQUID FUEL PRODUCTION AND CONSUMPTION BALANCE



Source: US Energy Information Administration, 5 January 2023



# DISCLAIMER

---

This document/communication/information ("document") is provided in Singapore by BNP Paribas, acting through its Singapore branch, and in Hong Kong by BNP Paribas, acting through its Hong Kong branch. BNP Paribas is a public limited company (société anonyme) incorporated in France with liability of its members limited. BNP Paribas, acting through its Hong Kong branch is a licensed bank regulated by the Hong Kong Monetary Authority, a Registered Institution under the Securities and Futures Ordinance of Hong Kong (Cap. 571), and registered with the Securities and Futures Commission (SFC) to carry on Types 1, 4, 6 and 9 regulated activities in Hong Kong (SFC CE Reference: AAF564). BNP Paribas, acting through its Singapore branch (UEN/Registration No: S71FC2142G), is a licensed bank regulated by the Monetary Authority of Singapore. BNP Paribas Wealth Management is the business line name for the Wealth Management activity conducted by BNP Paribas. "BNP Paribas Wealth Management" (UEN/Registration No 53347235X) is a business name registered in Singapore under the Business Names Registration Act 2014.

This document is produced for general information only and should not be used as sole reference for entering into any specific transaction, and the information and opinions contained herein should not be relied upon as authoritative or taken in substitution for the exercise of judgment by any recipient or the seeking of independent professional advice (such as financial, legal, accounting, tax or other advice) by any recipient. This document is not intended to be an offer or a solicitation to buy or to sell or to enter into any transaction. In addition, this document and its contents is not intended to be an advertisement, inducement or representation of any kind or form whatsoever. BNP Paribas reserves the right (but is not obliged) to vary the information in this document at any time without notice and, save to the extent provided otherwise in Clause 6.5 of BNP Paribas Wealth Management's Terms and Conditions ("T&Cs") applicable to your account, BNP Paribas shall not be responsible for any consequences arising from such variation.

The terms set forth herein are intended for discussion purposes only and are subject to the final expression of the terms of the transaction, if the investor decides to proceed with the transaction. It does not represent (a) the actual terms on which a transaction would be entered into, (b) the actual terms on which any existing transactions could be unwound, (c) the calculation or estimate of an amount that would be payable following an early termination of the transactions, or (d) the actual valuations given to the transactions by BNP Paribas in its books of account for financial reporting. The final terms of the transaction will be set forth in the final term sheet, any applicable agreement and/or confirmation. Please also refer to the disclaimer statements contained in the relevant documents, and disclosure and other important

information concerning our fees, charges and/or commissions as set out in the Fee Schedule.

If this document is a post-trade/transaction confirmation, please examine the information as set out in this document carefully and contact us immediately if you notice any discrepancy. The content of this document is subject to the final transaction(s) details / information in our official bank statements and/or advices (if any) which may follow by mail. This document contains confidential information intended only for the use of the addressee(s) named above. If you are not the addressee(s), you must not disseminate, copy or take any action in reliance on it. If you have received this document by error, please notify BNP Paribas and delete/destroy this document immediately.

Although the information and opinions provided herein may have been obtained or derived from published or unpublished sources considered to be reliable and while all reasonable care has been taken in the preparation of this document, BNP Paribas does not make any representation or warranty, express or implied, as to its accuracy or completeness and, save to the extent provided otherwise in Clause 6.5 of the T&Cs applicable to your account, BNP Paribas shall not be responsible for any inaccuracy, error or omission. All analysis, estimates and opinions contained in this document constitute BNP Paribas' own judgments as of the date of this document, and such expressions of opinion are subject to change without notice. Information provided herein may contain forward-looking statements. The words "believe", "expect", "anticipate", "project", "estimate", "predict", "is confident", "has confidence" and similar expressions are also intended to identify forward-looking statements. These forward-looking statements are not historical facts but based on the current beliefs, assumptions, expectations, estimates, and projections of BNP Paribas in light of the information presently available, and involve both known and unknown risks and uncertainties. These forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties and other factors, some of which are beyond control and are difficult to predict. Consequently, actual results could differ materially from those expressed, implied or forecasted in these forward looking statements. Investors should form their own independent judgment on any forward-looking statements and seek their own advice from professional advisers to understand such forward-looking statements. BNP Paribas does not undertake to update these forward looking statements. Where investors take into account any theoretical historical information regarding the performance of the product/investment, investors should bear in mind that any reference to past performance should not be taken as an indication of future performance. BNP Paribas is not



# DISCLAIMER

---

giving any warranties, guarantee or representation as to the expected or projected success, profitability, return, performance, result, effect, consequence or benefit of any investment/ transaction. Save to the extent provided otherwise in Clause 6.5 of the T&Cs applicable to your account, no BNP Paribas group company or entity therefore accepts any liability whatsoever for any loss arising, whether direct or indirect, from the use of or reliance on this document or any part of the information provided.

Structured transactions are complex and may involve a high risk of loss including possible loss of the principal invested. If any product mentioned in this document is a structured product which involves derivatives, do not invest in it unless you fully understand and are willing to assume the risks associated with it. If you are in any doubt about the risks involved in any product/transaction, you should seek independent professional advice.

Prior to entering into any transaction, each investor/subscriber should fully understand the terms, conditions and features of the product/investment as well as the risks, the merits and the suitability of entering into any transaction/investment including any market risk associated with the issuer, and consult with their own independent legal, regulatory, tax, financial and accounting advisors before making the investment. Investors/subscribers should fully understand the features of the investment, be financially able to bear a loss of their investment and

be willing to accept all risks involved. Save as otherwise expressly agreed in writing, (a) where BNP Paribas does not solicit the sale of or recommend any financial product to the investor/subscriber, BNP Paribas is not acting as financial adviser of the investor/subscriber in any transaction, and (b) in all cases, BNP Paribas is not acting as fiduciary of the investor/subscriber with respect to any transaction.

BNP Paribas and/or persons associated or connected with it may effect or have effected a transaction for their own account in a product/an investment described in this document or any related product before or after this document is published. On the date of this document, BNP Paribas and/or persons associated or connected with it and their respective directors and/or representatives and/or employees may take proprietary positions and may have a long or short position or other interests or make a market in a product mentioned in this document, or in derivative instruments based thereon, and may purchase and/or sell the investment(s) at any time in the open market or otherwise, whether as principal or as agent or as market maker. Additionally, BNP Paribas and/or persons associated or connected with it may have within the previous twelve months acted as an

investment banker or may have provided significant advice or investment services to the companies or in relation to a product mentioned in this document.

This document is confidential and intended solely for the use of BNP Paribas and its affiliates, their respective directors, officers and/or employees and the persons to whom this document has been delivered. It may not be distributed, published, reproduced or disclosed by any recipient to any other person, nor may it be quoted or referred to in any document, without the prior written consent of BNP Paribas.

Hong Kong: This document is distributed in Hong Kong by BNP Paribas, acting through its Hong Kong branch only to Professional Investors within the meaning of Part I of Schedule 1 to the Securities and Futures Ordinance of Hong Kong (Cap. 571). The products or transactions described in this document may not be authorised in Hong Kong and may not be available to Hong Kong investors.

Singapore: This document is distributed in Singapore by BNP Paribas, acting through its Singapore branch only to Accredited Investors within the meaning of the Securities and Futures Act 2001 only and is not intended for investors in Singapore who are not such Accredited Investors and should not be passed on to any such persons. Some products or transactions described in this document may not be authorised in Singapore and may not be available to Singapore investors.

Where this document is distributed by BNP Paribas to a person in Singapore who is not an Accredited Investor, Expert Investor or an Institutional Investor, BNP Paribas, acting through its Singapore branch accepts legal responsibility for the contents of this document to such person only to the extent required by applicable law.

Save to the extent provided otherwise in Clause 6.5 of the T&Cs applicable to your account, information in this document is for general circulation to the intended recipients only and is not intended to be a recommendation or investment advice to recipients hereof. A recipient of this document should seek advice from its/his/her own professional adviser regarding the suitability of the products or transactions (taking into account the recipient's specific investment objectives, financial situation and particular needs) as well as the risks involved in such products or transactions before a commitment to purchase or enter into any product or transaction is made.

Please note that this document may relate to a product or products where BNP Paribas is issuer, and in such instance this document or certain information contained therein may have been prepared by BNP Paribas in its capacity as product issuer ("Issuer Document").





## DISCLAIMER

Where an Issuer Document is provided to you by BNP Paribas, acting through its Hong Kong branch or BNP Paribas, acting through its Singapore branch in its capacity as distributor, it shall also be subject to Clause 6.5 of the T&Cs. To the extent that there are any inconsistency between the terms of an Issuer Document and Clause 6.5 of the T&Cs, the latter shall prevail.

Generally, please take note that various potential and actual conflicts of interest may arise from the overall investment activities or the roles of the parties involved in any investment product or transaction, their investment professionals and/or their affiliates. In particular, the counterparty / issuer / provider or its related entities or affiliates can offer or manage other investments which interests may be different to the interest of your investments in that investment product or transaction; or for cases where the product counterparty or issuer is BNP Paribas or its related entity or affiliate, BNP Paribas may also act as distributor, guarantor, calculation agent and/or arranger of the same product. BNP Paribas and its affiliates and persons associated or connected with it (collectively "BNP Paribas Group") may make a market in, or may, as principal or agent, buy or sell securities mentioned in this document or derivatives thereon. BNP Paribas Group may have a financial interest in the issuers mentioned in this document, including a long or short position in their securities, and/or options, futures or other derivative instruments based thereon. BNP Paribas Group, including its officers and employees may serve or have served as an officer, director or in an advisory capacity for any issuer mentioned in this document. BNP Paribas Group may, from time to time, solicit, perform or have performed investment banking, underwriting or other services (including acting as adviser, manager, underwriter or lender) within the last 12 months for any issuer referred to in this document. BNP Paribas Group may, to the extent permitted by law, have acted upon or used the information contained herein, or the research or analysis on which it was based, before its publication. Members of the BNP Paribas Group may face possible conflicts of interest in connection with certain duties under structured products. For example, it and its affiliates may trade an underlying for their own account or for the account of others. It or its affiliates may receive a portion of the management or other fees charged with any of the underlyings. BNP Paribas may offer other services to entities associated with an underlying, for which they may be remunerated. All of these activities

may result in conflicts of interest with respect to certain financial interests of BNP Paribas.

Where this document includes a reference to real estate, please note that real estate service offered in Hong Kong by BNP Paribas, acting through its Hong Kong branch exclusively relates to real estate properties outside Hong Kong. Specifically, BNP Paribas, acting through its Hong Kong branch is not licensed to deal with any real estate property situated in Hong Kong. BNP Paribas, acting through its Singapore branch is not licensed to and does not offer real estate service, and nothing herein should be construed as such.

BNPP clients and counterparties are responsible for ensuring that they comply with applicable provisions of Executive Order (EO) 13959, as amended (and any subsequent official guidance). For the full details of the EO, you may want to consult the following websites: For the EO itself, <https://home.treasury.gov/system/files/126/13959.pdf>, and for the latest guidance on this EO provided by the OFAC, <https://home.treasury.gov/policy-issues/financial-sanctions/recent-actions>.

By accepting this document, you agree to be bound by the foregoing limitations. In case there is a Chinese version and there is any ambiguity or difference of meaning between the English version and the Chinese versions, the English version shall prevail. In respect of any transactions or arrangement with BNP Paribas, acting through its Singapore branch, the English version is the only operative version and the Chinese version shall be disregarded.

You may contact BNP Paribas, acting through its Singapore branch at 10 Collyer Quay, #35-01 Ocean Financial Centre, Singapore 049315; Tel: (65) 6210 3888; Fax: (65) 6210 3861 in respect of any matters arising from, or in connection with, this document. This paragraph does not apply to you if you are (a) not resident in Singapore and you are (b) served by a Relationship Manager in Hong Kong. If you satisfy (a) and (b), you may contact BNP Paribas, acting through its Hong Kong branch at 63/F Two International Finance Centre, 8 Finance Street, Central, Hong Kong; Tel: (852) 2909 8888, in respect of any matters arising from, or in connection with, this document.

Photo credit @Getty images

© BNP Paribas (2023). All rights reserved.

