

## **China Economic Spotlight**

Free to View
Economics - China

## Why GDP growth will likely bounce a little next year

- Targeted policy easing, plus slower pace of regulatory tightening, should cushion the slowdown
- An upturn in manufacturing investment is likely to be sustainable, helping offset the real estate weakness...
- ...as should a spike up in green investment

We share the view that the GDP growth is likely to slow markedly to the 4-5% range in the rest of the year amid multiple headwinds. Yet we disagree with the bearish call for growth to stay below 5% into 2022 and beyond, as we expect Beijing to introduce more targeted easing measures in the coming months that should help cushion the growth slowdown. Meanwhile, manufacturing investment (accounting for over 40% of total fixed asset investment) has also been bottoming out and will likely accelerate into next year thanks to high levels of profit growth, increasing credit support and the pandemic-induced digitalization and automation. In addition, green investment has started to pick up following about a decade's preparation work for funding and pipeline projects. All this points to a moderate bounce in GDP growth to around 5.6% in 2022.

On the policy side, accelerated special bond issuance will likely go some way towards plugging the holes caused by weaker land sales in local government revenues, and support a moderate pick-up in infrastructure investment heading into 2022. In addition, we expect more tax incentives and subsidies to be devoted to promoting innovation and tech upgrading, as well as green investment in the coming months. Meanwhile, we expect more targeted credit support for green investment, small businesses and manufacturers, as a way to anchor liquidity expectations and stabilise credit growth. Instead of outright key policy rate cuts, we believe the PBoC will still prefer more selective liquidity management tools such as targeted RRR cuts and new liquidity facility for green financing. For the property sector, we believe the government has made it clear that it wants to avoid a collapse in the property market or a systemic liquidity crunch. While there is unlikely to be a U-turn in the overall tightening stance to reverse the slowing momentum, we believe more measures will be rolled out to increase credit access for healthy property developers and homebuyers.

Meanwhile, Beijing's push on technology sufficiency and green campaign will likely provide a longer-lasting boost to both manufacturing capex and new infrastructure spending in the coming years. While the ongoing "dual control" on energy consumption may cause some disruption to the industrial sector, policymakers will likely take a more flexible and orderly approach to reaching the green development goals in 2022. Policy support for digital and green investment such as tax exemptions and favourable credit treatment will also likely be carried over or even beefed up further next year. We thus expect manufacturing investment growth to become a key growth driver in 2022.

This is an abridged version of a report by the same title published on 13-Oct-21. Please contact your HSBC representative or email <u>AskResearch@hsbc.com</u> for more information.

#### Qu Honabin

Co-Head Asian Econ Research, Chief China Economist The Hongkong and Shanghai Banking Corporation Limited

#### Jingyang Chen

Economist, Greater China
The Hongkong and Shanghai Banking Corporation Limited

#### **Disclosures & Disclaimer**

This report must be read with the disclosures and the analyst certifications in the Disclosure appendix, and with the Disclaimer, which forms part of it.

**Issuer of report:** The Hongkong and Shanghai Banking Corporation Limited

View HSBC Global Research at: https://www.research.hsbc.com



## Targeted policy easing to cushion the slowdown

## No U-turn in property policies, but marginal adjustments may restore some order

The slowdown in the property sector and its impact on the broader economy no doubt remains the biggest risk on China's growth outlook. As Beijing focuses on "cross-cyclical" strategy and pursuit for "common prosperity", it is willing to tolerate slower short-term economic growth momentum for its longer-term development goals. Therefore, a U-turn in the tightening stance over real estate seems unlikely.

Having said that, recent communications by the government suggest it wants to avoid a collapse in the property market or a systemic liquidity crunch. To prevent the sector-wise deleveraging from developing into a systemic concern, there have been some early signs of government intervention. PBoC's 3Q policy meeting minutes released on 27 September briefly mentioned "to maintain the healthy development of property market and to safeguard the consumers' rights". Meanwhile large state banks received regulatory guidance to accelerate disbursement of approved mortgages, likely in order to prevent property market disruption due to overly tightened mortgage conditions.

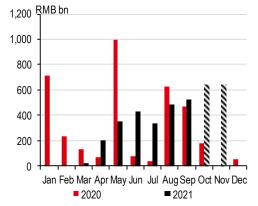
We believe more measures will be rolled out to increase credit access for healthy property developers and homebuyers. While these measures are unlikely to reverse the slowing growth momentum in the sector, it can mitigate the pressure on struggling property developers and anxious buyers, and facilitate normalisation of land acquisitions to plug the potential hole in local governments' revenue.

## Stronger special bond issuance to support a moderate pick-up in public investment

Special bond issuance has picked up pace in the recent months, which will likely support a moderate pick-up in infrastructure investment growth. As shown in Chart 1, local government special bond issuance has speeded up in recent months after Beijing gave it a nudge at the Politburo meeting in late July. As an important funding source for public investment on infrastructure, faster special bond issuance has been a key counter-cyclical tool that Beijing wields to cushion economic growth slowdown. Now as Beijing encourages more special bond quotas to be used on digital infrastructure, it can also serve the "cross-cyclical" policy goals of industrial and technological upgrading in the economy. This is thus the most likely way for the government to boost its overall fiscal spending heading into 2022.

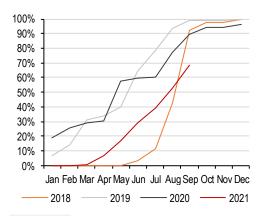
According to the latest media report (21st Century Business Herald, 30 September), local authorities are now required to finish all special bond issuance by the end of November

Chart 1: We expect high levels of special bond issuance in Q4 2021 compared to a low level in the same period of 2020



\*HSBC estimates for October and November 2021 Source: CEIC, HSBC

Chart 2: Year-to-date special bond issuance as a share of the full-year quota



Source: Wind, HSBC



Net issuance of local government special bonds will further rise to RMB642bn on average in the next two months, compared to RMB523bn in September.

(compared to the previous announcement of leaving some quota for issuance in December). This means that net issuance of local government special bonds will further rise to RMB642bn on average in the next two months, compared to RMB523bn in September. This would mean a rather high special bond issuance in Q4 this year, unlike in the previous years when local governments mostly used up the issuance quota by the end of Q3 (see Chart 1 and 2). It will help partially offset local governments' loss in land sale revenues due to the recent weakness in the property sector, and bode well for a moderate pick-up in infrastructure investment growth in early 2022, especially on the back of a low base.

In addition, we expect more tax incentives and subsidies to be devoted to promoting tech upgrading and green investment in the coming months. We think the government can further increase tax cuts and exemptions for manufacturers' R&D activity, equipment upgrading and green transformation. Favourable policy treatments for small businesses rolled out in the recent two years such as a VAT rate cut from 3% to 1% may be again rolled over to next year as well.

### Liquidity support to continue in a targeted manner

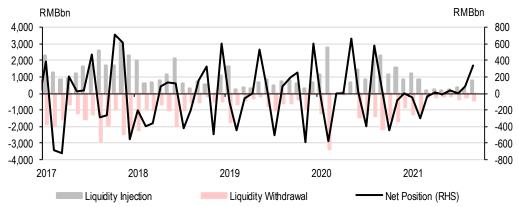
On monetary policy, the PBoC has also put out some low-profile and targeted policy support to increase liquidity supply in recent months, including the following:

- Stepping up net liquidity injection through open market operations (see Chart 3);
- Adding another RMB300bn to the relending quota in early September with a cap on bank lending rate;

In addition, a 50bp across-the-board reserve requirement ratio (RRR) cut in July is also seen as a proactive measure to cushion the following rather swift regulatory tightening across sectors. Going forward, targeted credit support will likely continue as a way to anchor liquidity expectations and stabilise credit growth amid a continued tightening stance over carbon emission and the property sector. We expect the central bank to continue to rely on quantitative liquidity management tools. This will likely include two targeted RRRs and other liquidity facilities to ensure easier access to credit for green financing, small businesses and manufacturers. As such, together with faster local government special bond issuance, we expect credit growth to see a moderate rebound from an estimated 10.1% at the end of Q3 to around 11% heading into 2022.

We expect two targeted RRRs and other liquidity facilities to ensure easier access to credit for green financing, small businesses and manufacturers.

Chart 3: Continuous net liquidity injection over open market operations in recent months



Source: CEIC, HSBC



Policymakers will likely take a more flexible approach to reaching the green development goals next year.

Despite the slowing momentum, industrial profit growth has stayed well above the pre-pandemic level.

## Manufacturing investment to become a key demand driver

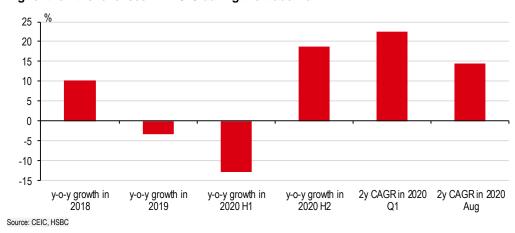
#### Smart manufacturing to fuel an upturn in capex

The "dual control" of energy consumption has raised concerns on whether a new round of supply-side reforms will disrupt industrial production and capex growth in a long lasting manner. We believe this concern is overplayed for two reasons. Firstly, policymakers will likely take a more flexible approach to reaching the green development goals and may be less aggressive about power reduction in the coming months, as they are likely to be wary of the compounding effect of power cuts on an already slowing economy, combined with a slowing property sector.

Secondly, and more importantly, we think there are still both cyclical and structural factors prompting manufacturers to plan more capital spending:

1. Accumulated profits, together with favourable credit policy, will likely continue to fuel manufacturing capex, especially when regulatory adjustments come in at a more moderate pace next year. Despite the slowing momentum, industrial profit growth has stayed well above the pre-pandemic level this year after a quick rebound in H2 2020. The 2-year CAGR of industrial profits was nearly 15% in August, notably higher than the average y-o-y growth rate seen in 2018 and 2019 (Chart 4).

Chart 4: Industrial profit growth slows down in the recent month, but remaining notably higher than the level seen in 2019 during the trade war



- Beijing has further increased credit support to manufacturers this year, with growth in mid and long-term manufacturing loans reaching 41.6% in H1 2021, 24.8ppt higher than the growth of overall mid and long-term loans. We expect favourable credit policy for manufacturers to continue in 2022.
- 3. The pandemic-induced acceleration in digitalisation and automation will likely fuel stronger manufacturing investment in the years ahead. We note that there is still huge potential for China to play catch up with developed economies in smart manufacturing. Beijing will also likely double down on policy incentives to promote digitalisation and automation in the coming years as they are key components of China's technology self-sufficiency strategy, including further tax cuts and exemptions for manufacturers' investments in technology upgrading. Moreover, an anticipated policy push under the 14th Five-Year Plan to develop smart cities and other digital infrastructure will also generate more demand for domestic high-tech equipment manufacturing, and lay the foundations for a faster digital transition by manufacturers in more sectors and regions.



50,000 200% 175% 40,000 150% 125% 30,000 100% 20,000 75% 50% 10.000 25% 0 0% -25% -10,000 -50% -75% -20.000 Jan-16 Jan-17 Jan-18 Jan-19 Jan-20 Jan-21 China's industrial robot production (unit) Growth rate (RHS)

Chart 5: Industrial robot production remains at a robust level

Source: CEIC, HSBC (see Asia Automation Indicators: Non-mainland China names outperforming by Helen Fang et al., 29 September 2021)

Manufacturing investment accounts for around 40% of total fixed asset investment (FAI) and 47% of total capital formation

All this will likely provide some boost to manufacturing investment growth in the coming years. We believe the 5-year compound annual growth rate (CAGR) of manufacturing investment can improve to over 8% under the 14<sup>th</sup> Five-Year Plan from 3.8% during the last five years. Considering that manufacturing investment accounts for around 40% of total fixed asset investment (FAI) and 47% of total capital formation (calculated as FAI minus land purchases), more robust manufacturing capex growth on the back of digital and green transformation will provide a robust buffer to offset the negative shock from slowing property activity.

100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0% 2015 2016 2017 2018 2019 2020 2021 Manufacturing Property ■ Infrastructure Others

Chart 6: Breakdown of fixed asset investment (FAI)

Source: CEIC, HSBC

## Kick starting green investment

The recent power crisis suggests that China cannot rely solely on cutting coal production to achieve its environmental targets. Investing in energy and industrial transformation is essential, in our view. In order to achieve more effective and secure energy distribution, the government will need to invest more in the upgrading of grid infrastructure and the development of energy storage systems. For the industry sector, to meet the government's carbon emission goals, both local authorities and manufacturers will need to plan more capital spending on green transformation of production and operation.



A massive amount of investment is needed on the path to decarbonisation.

This suggests a massive amount of investment is needed on the path to decarbonisation. For example, the International Energy Agency (IEA) estimates cUSD33trn for new investment from now to 2060¹. Decarbonisation can thus become a key driver for both manufacturing and infrastructure investment in the coming years. We believe Beijing and local authorities will roll out more proactive policies to support development of new infrastructure and innovation of frontier technologies. A new regulatory framework (e.g. on ESG disclosure on investment) and incentives (such as varied risk weighting) may also be introduced to encourage financial institutions to beef up support for green financing.

## Consumption recovery hitting speed bumps, but unlikely to stop

The recovery in retail sales has been a difficult uphill battle, and it is now hitting more speed bumps. Regional COVID-19 resurgence continues to put a drag on service activity. Data from the Ministry of Culture and Tourism shows that during China's weeklong National Day holiday at the beginning of October, only 515 million domestic trips were made, down 1.5% from a year earlier and c30% from the pre-pandemic year of 2019. Moreover, regulatory tightening across property, tutoring, tech and other sectors may bring more labour market pressure.

Two-year CAGR of total disposable income reached about 90% of the prepandemic pace in 2019 by the end of Q2 2021.

Having said that, the ultimate drivers of a further recovery in retail sales will still come down to further improvements in the labour market. There has been a notable recovery in total disposable income growth since Q2 2020, with the two-year CAGR reaching about 90% of the pre-pandemic pace in 2019 by the end of Q2 2021. It has mostly rebounded, reaching about 90% of pre-pandemic levels by the end of Q2 2021 when looking at the two-year CAGR compared to 2019 growth levels (see Chart 7).

Chart 7. Income growth has mostly recovered

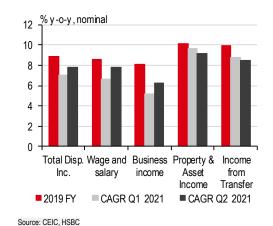
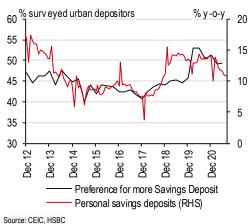


Chart 8. Households are starting to unwind some savings



Going forward, tailwinds for the economy stemming from manufacturing investment, strong export growth, and infrastructure investment may continue to provide some support for income growth in related sectors. The improvement in income growth has in turn helped to reduce some precautionary behaviour as the preference for increased savings has dipped down from its peak in 1Q20 (Chart 8). The personal savings deposit data have also shown a fall in the growth rate from the levels seen in pre-pandemic and pre-trade tension times (2018).

<sup>&</sup>lt;sup>1</sup> IEA, 2021, "An energy sector roadmap to carbon neutrality in China," CC BY-NC 3.0 IGO, September.



We expect consumption may not fully recover until at least 2022, with growth reaching pre-pandemic levels of 6.5% y-o-y. Taking this all together, it will likely mean the path for a consumption recovery will continue to face challenges, and the road towards a full recovery will be longer than we previously expected. We expect consumption may not fully recover until at least 2022, with growth reaching pre-pandemic levels of 6.5% y-o-y.

All in all, we expect GDP growth to bounce back moderately in 2022 to 5.6% y-o-y (from 4.8% y-o-y in H2 2021). After a slowdown in H2 2021 on the back of stronger policy response and new investment drivers under the 14<sup>th</sup> Five-Year Plan. This is in line with the central bank's estimated potential growth rate of 5.0-5.7%. Considering the government is heading towards the quinquennial personnel changes in the 20<sup>th</sup> Party Congress in 2022, policymakers will likely ensure that real GDP growth will at least trend close to the potential level in the coming quarters.



# Disclosure appendix

### **Analyst Certification**

The following analyst(s), economist(s), or strategist(s) who is(are) primarily responsible for this report, including any analyst(s) whose name(s) appear(s) as author of an individual section or sections of the report and any analyst(s) named as the covering analyst(s) of a subsidiary company in a sum-of-the-parts valuation certifies(y) that the opinion(s) on the subject security(ies) or issuer(s), any views or forecasts expressed in the section(s) of which such individual(s) is(are) named as author(s), and any other views or forecasts expressed herein, including any views expressed on the back page of the research report, accurately reflect their personal view(s) and that no part of their compensation was, is or will be directly or indirectly related to the specific recommendation(s) or views contained in this research report: Qu Hongbin and Jingyang Chen

#### Important disclosures

This document has been prepared and is being distributed by the Research Department of HSBC and is not for publication to other persons, whether through the press or by other means.

This document is for information purposes only and it should not be regarded as an offer to sell or as a solicitation of an offer to buy the securities or other investment products mentioned in it and/or to participate in any trading strategy. Advice in this document is general and should not be construed as personal advice, given it has been prepared without taking account of the objectives, financial situation or needs of any particular investor. Accordingly, investors should, before acting on the advice, consider the appropriateness of the advice, having regard to their objectives, financial situation and needs. If necessary, seek professional investment and tax advice.

Certain investment products mentioned in this document may not be eligible for sale in some states or countries, and they may not be suitable for all types of investors. Investors should consult with their HSBC representative regarding the suitability of the investment products mentioned in this document and take into account their specific investment objectives, financial situation or particular needs before making a commitment to purchase investment products.

The value of and the income produced by the investment products mentioned in this document may fluctuate, so that an investor may get back less than originally invested. Certain high-volatility investments can be subject to sudden and large falls in value that could equal or exceed the amount invested. Value and income from investment products may be adversely affected by exchange rates, interest rates, or other factors. Past performance of a particular investment product is not indicative of future results.

HSBC and its affiliates will from time to time sell to and buy from customers the securities/instruments, both equity and debt (including derivatives) of companies covered in HSBC Research on a principal or agency basis or act as a market maker or liquidity provider in the securities/instruments mentioned in this report.

Analysts, economists, and strategists are paid in part by reference to the profitability of HSBC which includes investment banking, sales & trading, and principal trading revenues.

Whether, or in what time frame, an update of this analysis will be published is not determined in advance.

For disclosures in respect of any company mentioned in this report, please see the most recently published report on that company available at www.hsbcnet.com/research. HSBC Private Banking clients should contact their Relationship Manager for queries regarding other research reports. In order to find out more about the proprietary models used to produce this report, please contact the authoring analyst.



#### **Additional disclosures**

- 1 This report is dated as at 13 October 2021.
- 2 All market data included in this report are dated as at close 12 October 2021, unless a different date and/or a specific time of day is indicated in the report.
- 3 HSBC has procedures in place to identify and manage any potential conflicts of interest that arise in connection with its Research business. HSBC's analysts and its other staff who are involved in the preparation and dissemination of Research operate and have a management reporting line independent of HSBC's Investment Banking business. Information Barrier procedures are in place between the Investment Banking, Principal Trading, and Research businesses to ensure that any confidential and/or price sensitive information is handled in an appropriate manner.
- 4 You are not permitted to use, for reference, any data in this document for the purpose of (i) determining the interest payable, or other sums due, under loan agreements or under other financial contracts or instruments, (ii) determining the price at which a financial instrument may be bought or sold or traded or redeemed, or the value of a financial instrument, and/or (iii) measuring the performance of a financial instrument or of an investment fund.

9



## **Disclaimer**

Legal entities as at 1 December 2020

'UAE' HSBC Bank Middle East Limited, DIFC; HSBC Bank Middle East Limited, Dubal; 'HK' The Hongkong and Shanghai Banking Corporation Limited, Hong Kong; 'TW' HSBC Securities (Taiwan) Corporation Limited; 'CA' HSBC Securities (Canada) Inc.; 'France' HSBC Continental Europe; 'Spain' HSBC Continental Europe, Sucursal en España; 'Italy' HSBC Continental Europe, Italy; 'Sweden' HSBC Continental Europe Bank, Sweden Filial; 'DE' HSBC Trinkaus & Burkhardt AG, Düsseldorf; 000 HSBC Bank (RR), Moscow; 'IN' HSBC Securities and Capital Markets (India) Private Limited, Mumbal; 'JP' HSBC Securities (Japan) Limited, Tokyo; 'EG' HSBC Securities Egypt SAE, Cairo; 'CN' HSBC Investment Bank Asia Limited, Beijing Representative Office; The Hongkong and Shanghai Banking Corporation Limited, Singapore Branch; The Hongkong and Shanghai Banking Corporation Limited, Seoul Securities Branch; The Hongkong and Shanghai Banking Corporation Limited, Seoul Branch; HSBC Securities (South Africa) (Pty) Ltd, Johannesburg; HSBC Bank plc, London, Tel Aviv; 'US' HSBC Securities (USA) Inc, New York; HSBC Yatirim Menkul Degerler AS, Istanbul; HSBC México, SA, Institución de Banca Múltiple, Grupo Financiero HSBC; HSBC Bank Australia Limited; HSBC Bank Argentina SA; HSBC Saudi Arabia Limited; The Hongkong and Shanghai Banking Corporation Limited, New Zealand Branch incorporated in Hong Kong SAR; The Hongkong and Shanghai Banking Corporation Limited, Bangkok Branch; PT Bank HSBC Indonesia; HSBC Qianhai Securities Limited; Banco HSBC S.A.

Issuer of report

The Hongkong and Shanghai Banking Corporation Limited

Level 19, 1 Queen's Road Central

Hong Kong SAR

Telephone: +852 2843 9111 Fax: +852 2801 4138

Website: www.research.hsbc.com

The Hongkong and Shanghai Banking Corporation Limited ("HSBC") has issued this research material. The Hongkong and Shanghai Banking Corporation Limited is regulated by the Hong Kong Monetary Authority. If it is received by a customer of an affiliate of HSBC, its provision to the recipient is subject to the terms of business in place between the recipient and such affiliate. In the UK, this publication is distributed by HSBC Bank plc for the information of its Clients (as defined in the Rules of FCA) and those of its affiliates only. Nothing herein excludes or restricts any duty or liability to a customer which HSBC Bank plc has under the Financial Services and Markets Act 2000 or under the Rules of FCA and PRA. A recipient who chooses to deal with any person who is not a representative of HSBC Bank plc in the UK will not enjoy the protections afforded by the UK regulatory regime. HSBC Bank plc is regulated by the Financial Conduct Authority and the Prudential Regulation Authority. In Australia, this publication has been distributed by The Hongkong and Shanghai Banking Corporation Limited (ABN 65 117 925 970, AFSL 301737) for the general information of its "wholesale" customers (as defined in the Corporations Act 2001). Where distributed to retail customers, this research is distributed by HSBC Bank Australia Limited (ABN 48 006 434 162, AFSL No. 232595). These respective entities make no representations that the products or services mentioned in this document are available to persons in Australia or are necessarily suitable for any particular person or appropriate in accordance with local law. No consideration has been given to the particular investment objectives, financial situation or particular needs of any recipient. This publication is distributed in New Zealand by The Hongkong and Shanghai Banking Corporation Limited, New Zealand Branch incorporated in Hong Kong SAR.

In the European Economic Area, this publication has been distributed by HSBC Continental Europe or by such other HSBC affiliate from which the recipient receives relevant services This material is distributed in Japan by HSBC Securities (Japan) Limited. HSBC Securities (USA) Inc. accepts responsibility for the content of this research report prepared by its non-US foreign affiliate. The information contained herein is under no circumstances to be construed as investment advice and is not tailored to the needs of the recipient. All US persons receiving and/or accessing this report and intending to effect transactions in any security discussed herein should do so with HSBC Securities (USA) Inc. in the United States and not with its non-US foreign affiliate, the issuer of this report. In Korea, this publication is distributed by either The Hongkong and Shanghai Banking Corporation Limited, Seoul Securities Branch ("HBAP SLS") or The Hongkong and Shanghai Banking Corporation Limited, Seoul Branch ("HBAP SEL") for the general information of professional investors specified in Article 9 of the Financial Investment Services and Capital Markets Act ("FSCMA"). This publication is not a prospectus as defined in the FSCMA. It may not be further distributed in whole or in part for any purpose. Both HBAP SLS and HBAP SEL are regulated by the Financial Services Commission and the Financial Supervisory Service of Korea. In Singapore, this publication is distributed by The Hongkong and Shanghai Banking Corporation Limited, Singapore Branch for the general information of institutional investors or other persons specified in Sections 274 and 304 of the Securities and Futures Act (Chapter 289) ("SFA") and accredited investors and other persons in accordance with the conditions specified in Sections 275 and 305 of the SFA. Only Economics or Currencies reports are intended for distribution to a person who is not an Accredited Investor, Expert Investor or Institutional Investor as defined in SFA. The Hongkong and Shanghai Banking Corporation Limited, Singapore Branch accepts legal responsibility for the contents of reports pursuant to Regulation 32C(1)(d) of the Financial Advisers Regulations. This publication is not a prospectus as defined in the SFA. This publication is not a prospectus as defined in the SFA. It may not be further distributed in whole or in part for any purpose. The Hongkong and Shanghai Banking Corporation Limited Singapore Branch is regulated by the Monetary Authority of Singapore. Recipients in Singapore should contact a "Hongkong and Shanghai Banking Corporation Limited, Singapore Branch" representative in respect of any matters arising from, or in connection with this report. Please refer to The Hongkong and Shanghai Banking Corporation Limited Singapore Branch's website at www.business.hsbc.com.sq for contact details. HSBC México, S.A., Institución de Banca Múltiple, Grupo Financiero HSBC is authorized and regulated by Secretaría de Hacienda y Crédito Público and Comisión Nacional Bancaria y de Valores (CNBV).

In Canada, this document has been distributed by HSBC Securities (Canada) Inc. (member IIROC), and/or its affiliates. The information contained herein is under no circumstances to be construed as investment advice in any province or territory of Canada and is not tailored to the needs of the recipient. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed judgment upon these materials, the information contained herein or the merits of the securities described herein, and any representation to the contrary is an offense. In Brazil, this document has been distributed by Banco HSBC S.A. ("HSBC Brazil"), and/or its affiliates. As required by Instruction No. 598/18 of the Securities and Exchange Commission of Brazil (Comissão de Valores Mobiliários), potential conflicts of interest concerning (i) HSBC Brazil and/or its affiliates; and (ii) the analyst(s) responsible for authoring this report are stated on the chart above labelled "HSBC & Analyst Disclosures".

Any recommendations contained in it are intended for the professional investors to whom it is distributed. This material is not and should not be construed as an offer to sell or the solicitation of an offer to purchase or subscribe for any investment. HSBC has based this document on information obtained from sources it believes to be reliable but which it has not independently verified; HSBC makes no guarantee, representation or warranty and accepts no responsibility or liability as to its accuracy or completeness. Expressions of opinion are those of HSBC only and are subject to change without notice. From time to time research analysts conduct site visits of covered issuers. HSBC policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits. The decision and responsibility on whether or not to invest must be taken by the reader. HSBC and its affiliates and/or their officers, directors and employees may have positions in any securities mentioned in this document (or in any related investment) and may from time to time add to or dispose of any such securities (or investment). HSBC and its affiliates may act as market maker or have assumed an underwriting commitment in the securities of any companies discussed in this document (or in related investments), may sell them to or buy them from customers on a principal basis and may also perform or seek to perform banking or underwriting services for or relating to those companies. This material may not be further distributed in whole or in part for any purpose. No consideration has been given to the particular investment objectives, financial situation or particular needs of any recipient. (070905) If you are an HSBC Private Banking ("PB") customer with approval for receipt of relevant research publications by an applicable HSBC legal entity, you are eligible to receive this publication. To be eligible to receive such publications, you must have agreed to the applicable HSBC entity's terms and conditions for accessing research and the terms and conditions of any other internet banking service offered by that HSBC entity through which you will access research publications ("the Terms"). Distribution of this publication is the sole responsibility of the HSBC entity with whom you have agreed the Terms. If you do not meet the aforementioned eligibility requirements please disregard this publication and, if you are a customer of PB, please notify your Relationship Manager. Receipt of research publications is strictly subject to the Terms and any other conditions or disclaimers applicable to the provision of the publications that may be advised by PB. © Copyright 2021, The Hongkong and Shanghai Banking Corporation Limited, ALL RIGHTS RESERVED. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, on any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of The Hongkong and Shanghai Banking Corporation Limited. MCI (P) 028/02/2021, MCI (P) 087/10/2020

[1180015]