



7 August 2023

Funding the future

Data Matters

- Venture Capital (VC) fuels transformative tech and business innovation
- Tracking VC trends gives useful information for investors in public markets
- We take a deep dive into VC performance, state of the VC world, and sectors the industry is focusing on today

Why VC is worth watching

Venture Capital (VC) is an important source of funding for potentially transformative technologies and businesses. Successful VC investments will become important competitors for public companies and may eventually enter the public markets themselves. As such, tracking broad trends in VC can provide useful information to investors in public markets – particularly given both the size of the VC industry and its focus on emerging and disruptive business models.

In this report, we explore some of the industry's key characteristics and recent developments:

- VC as an alternative asset class. For those investors with a flexible enough investment mandate, VC funds could bring a degree of diversification to their portfolio. We also look at potential advantages, risks, and drawbacks of VC investments, plus correlations with traditional asset classes.
- The state of the industry. We look at the remarkable growth of VC over the past 25 years and examine activity levels, valuations, and available capital today.
- HSBC Venture Investment Tracker (VenT). To track trends in the capital being invested by VC, we calculate the HSBC Venture Investment Tracker (VenT).
- Industry focus. Quantum computing, air taxis, gene therapies, and small satellites are among the innovative sectors VC funds are looking at now, while AI and sustainability are among the cross-cutting themes attracting their attention.
- Fintech deals. In Financials, FinTech has been attracting investment recently, with the focus on digitising credit market, consumer finance and cryptocurrencies.

This is a Free to View version of a report with the same title published on 7-Aug-23. Please contact your HSBC representative or email <u>AskResearch@hsbc.com</u> for more information.

Free to View Multi- Asset - Data Science

Shiva Joon Data Scientist HSBC Bank plc

Mark McDonald Head of Data Science and Analytics HSBC Bank plc

Kailesh Mistry*, CFA Global Head of Digital Finance Equity Research HSBC Bank plc

Max Kettner*, CFA Chief Multi-Asset Strategist HSBC Bank plc

Duncan Toms*, CFA Multi-Asset Strategist HSBC Bank plc

Chris Attfield

European Rates Strategist HSBC Bank plc

Charlotte Ong

European FX Strategist HSBC Bank plc

* Employed by a non-US affiliate of HSBC Securities (USA) Inc, and is not registered/ qualified pursuant to FINRA regulations

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: HSBC Bank plc

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



The AI fuelled tech rally

Venture Capital

mirrors recent interest from

Why Venture Capital is worth watching

Al-fuelled tech rally

2023 has seen global equities rebound strongly from last year's lows. The FTSE All World is up almost 15% YTD. Technology stocks, however, have rebounded even more strongly with Nasdaq up over 34% YTD. A big part of this boost in performance is the enthusiasm created by Artificial Intelligence and ChatGPT. Since the announcement of ChatGPT (end of November 2022), S&P 500 technology stocks have outperformed S&P 500 non tech stocks by 30% (chart 1). Generative AI has been at the forefront of this enthusiasm with many companies mentioning it in their earnings calls last quarter. Many corporations are looking at these new advancements as a potential productivity boost while big tech names like Google, Microsoft, and Apple have started integrating Generative AI into their product lines to take advantage of these new generation of AI models.



1. Al excitement has pushed tech stocks higher

Source: Bloomberg, HSBC

VC funds invested around USD4.5bn in Al start-ups over 2022 Private markets form a significant portion of tech investments and advancements in AI have fuelled investment in the Venture Capital (VC) activity as well. In 2018, when OpenAI's GPT model was first introduced, VC investment in AI startups was USD408.0 million. That number skyrocketed to USD4.5 billion in 2022. Big tech companies are now increasingly partnering with new start-ups to drive innovation and have established a successful pipeline for often acquiring said start-ups into their own products and services. For example, Alphabet's VC arm GV (formerly called Google Venture) has invested in start-ups within Healthcare, IT, and Fintech in over 40 deals worth USD2.2 billion YTD. In some cases, these larger backers may look to acquire said start-ups and/or integrate them into their own products and services.

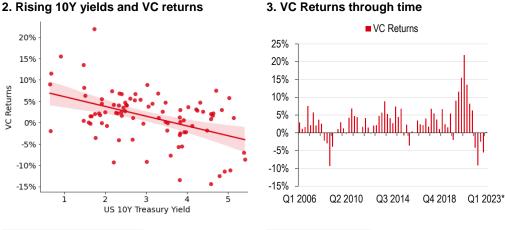


With such a dramatic acceleration in the industry we believe that tracking broad trends in VC activity can provide useful information to investors in public markets. As such in this piece we look at VC investments as an alternative asset class and further investigate the state of the VC world.

VC as an Alternative Asset class

VC returns show an inverse relationship with 10Y USTs

Tighter monetary policy from the Federal Reserve and other important central banks has seen the era of abundant low-cost capital come to an end. This has clearly been an important factor for the declining levels of VC and IPO capital investment. The rise in Treasury yields has also been associated with lower VC returns: chart 2 shows an inverse relationship with rising 10-year yields and VC investment returns.



Source: Bloomberg, PitchBook Data, Inc., HSBC Note: VC Returns are % change in NAV for VC funds Source: PitchBook Data, Inc., HSBC Note: VC Returns are % change in NAV for VC funds

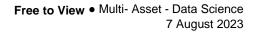
Last year was one the toughest for VC investors since the Global Financial Crisis (chart 3). With the AI fuelled technology boom, Q1 2023 saw slight positive returns for VC funds.

For those investors with a flexible enough investment mandate, investment in VC funds presents an opportunity as an alternative asset class to include in a portfolio. From a portfolio management perspective, investment in VC funds brings a degree of diversification and potential for higher returns, albeit maybe with higher risk. Furthermore, access to cutting-edge technology and market disruptors while they are in the nascent stage is something traditional asset classes cannot provide until much later in a company's lifecycle.

VC investment returns are often driven by the performance of a few companies. This makes it important to choose the right funds for investors. This is illustrated by the historical IRR¹ dispersion of VC funds over time (chart 4).

VC funds could bring a degree of diversification to investor portfolios

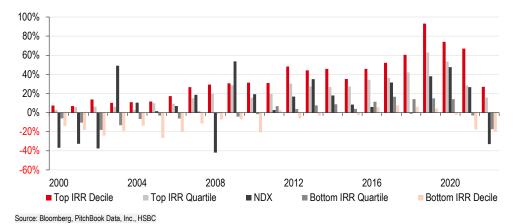
¹ IRR represents the rate at which an historical series of cash flows are discounted so that the net present value of the cash flows equals zero.





VC funds could be less exposed to sharp and painful drawdowns seen in public investments...

4. VC IRR by quartile and decile



Since the 2000s the top quartile funds have outperformed bottom quartile funds on average by 20% every year. The equivalent average return differential number is almost 45% for top and bottom decile funds. Interestingly, even the bottom decile and quartile funds performed better than the Nasdaq 100 during the painful sell-offs in the early 2000s, the GFC, and 2022. This raises the possibility that the returns from VC funds might be less exposed to sharp and painful drawdowns than investments in publically traded tech firms. Although some of this effect can be attributed to a lack of more frequent pricing for VC funds, it still could be an attractive prospect for multi-asset investors.

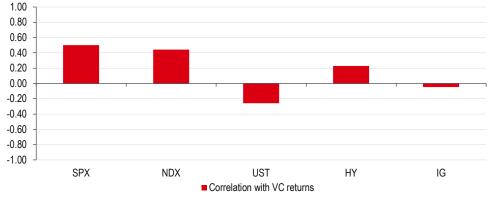
A notable drawback is of course the illiquidity and much longer time period that an investor's capital is locked-up compared to public equity markets.

We also assess the correlations between VC returns and other traditional asset classes. Although VC investments are affected by global macro trends (like inflation and interest rates), they are also significantly influenced by idiosyncratic factors like new technology, regulatory changes, and novel applications of new technology. This suggests VCs could provide a diversification benefit from a portfolio perspective.

In chart 5, we show the correlation between quarterly returns of VC funds and quarterly returns in traditional asset classes. VC investments show only moderate correlations to major asset classes. Unsurprisingly, VC returns are more highly correlated to equity returns than to fixed income; however, even these correlations with equity markets are lower than one might expect. As mentioned above, we can attribute some of this to lack of daily market pricing for VC funds, but these correlations likely also stem from the idiosyncratic nature of VC investments.

...although illiquidity and potentially higher risk remain a notable drawback





5. VC fund returns correlation with traditional asset classes

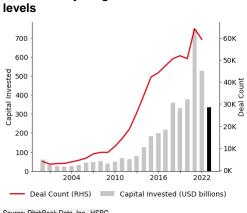
Source: Bloomberg, PitchBook Data, Inc., HSBC

State of the VC world

VC deals have slowed considerably since 2022

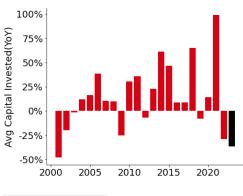
Venture capital has been an important funding source which has enabled many transformative technological breakthroughs to be commercialised. Over the past 25 years, the amount of capital available for VC investments has expanded massively. Chart 6 shows the number of deals from VC companies (red line) and total capital invested (grey bars) on an annual basis since 2000. 2021 saw a 27% surge in deal making activity globally. That subsided in 2022 by around 29%; however, despite this decline, last year was still the second highest year recorded in terms of both capital invested and number of deals globally.

2023 has also started slowly. VC investment activity has declined further and is still in a post-2021 hangover with average monthly capital invested decreasing by about 35% from 2022 levels (Chart 7).



6. VC Activity surged in 2021 to record

7. Average monthly capital invested



Source: PitchBook Data, Inc., HSBC Note: 2023 values (black bar) shows monthly average calculated from H1

Lower capital inflows have also been accompanied by lower valuations. Valuation multiples have fallen from their 2021 peaks. Chart 8 shows the median Valuation/Revenue multiple for global VC backed companies. It has now fallen to approximately 8x from the highs of over 16x during late 2021. This means that not only have VC investments been harder to come by, they are also being done at a lower valuation multiple.

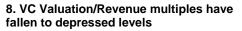
Source: PitchBook Data, Inc., HSBC

Note: 2023 values (black bar) are rescaled to provide an estimate of full-year numbers.

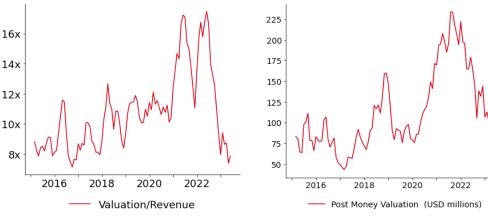


Valuation/Revenue multiples remain depressed

Lower multiples can make it more difficult for VC-backed companies to raise new capital: major investors in previous funding rounds may be resistant to the new funding round if the new valuation associated with the new capital raising would lead to them having to mark-down the valuation of their original investment. This can clearly have a big effect on company finances; it can also make it harder to retain talent since many VC-backed start-ups offer equity-based compensation to attract talented workforce.



9. Average Post Money Valuation

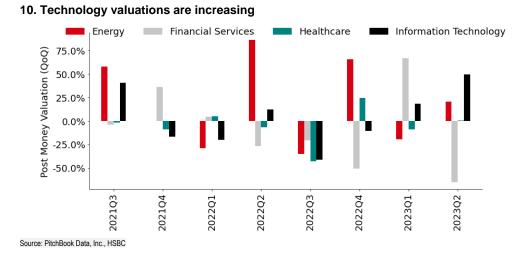


Source: PitchBook Data, Inc., HSBC

Source: PitchBook Data, Inc., HSBC

Chart 9 shows the average Post Money Valuation for Global VC deals; this measure tracks the average total value of companies which VC firms have invested in. In other words, this is not a measure of value; rather it is more akin to market cap for a group of public companies. This measure peaked in 2021 to early 2022 and then dropped throughout the remainder of last year. Although in 2023 the total value of companies receiving VC investment has gone up again, we find that this isn't true across the board.

VC backed Tech start-ups are attracting more capital than others Available capital is still low as we saw from chart 7 above, and as a result investors are favouring some sectors over others. One sector which has attracted more capital is Information Technology. With the current wave of excitement surrounding AI it's little surprise that VC-backed companies within IT have managed to raise more capital than other sectors in Q2 2023 (chart 10).

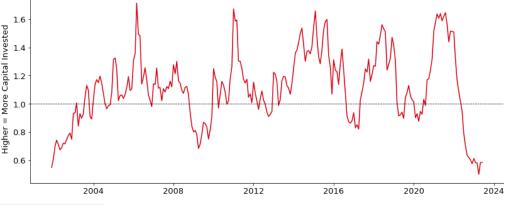




HSBC Venture Investment Tracker (VenT)

To track trends in the capital being invested by VC we calculate the HSBC Venture Investment Tracker (VenT). This measure compares recent levels of capital invested by VC funds to more typical levels. We show the time series of the VenT in chart 11.

11. HSBC Venture Investment Tracker (VenT)



Source: PitchBook Data, Inc., HSBC

HSBC VenT tracks VC activity over time The HSBC VenT is calculated by standardising the average VC capital invested over the past three months to the equivalent average over the past two years. As such, a VenT level of one should be interpreted as showing that recent levels of VC capital deployment have been "normal". VenT numbers greater than 1 indicate that recent levels of capital investment are above average and vice-versa. This measure helps to put the recent decline in VC capital investment relative to the levels which the market had become used to, the recent fall in funding activity levels is comparable to the early 2000s, even if overall levels remain comparable to pre-pandemic levels.

Emerging Spaces

As mentioned above, although the pace of VC capital investment has decreased, investors are still looking for opportunities, albeit in a more selective way. In this section we investigate the Emerging Spaces² in different sectors where VC backed companies across different sectors are attracting more capital. Chart 12 shows the Emerging Spaces for 2023.

Spaces can be considered as industry verticals within sectors. Although new trends within VC landscape pop up all the time, Emerging Spaces are nascent investment and technology trends which are have the potential for increased funding due to several factors like new technology, shifts in regulation, culture, or other externalities, etc. The numbers in Chart ES show the number of deals for each space.

Across different sectors, two trends that stand out are AI and Sustainability. Both of these spaces have applications that span across industries and are attracting investments in different sectors. Here are some of Emerging Spaces within each sector:

- IT Generative AI, IoT, Blockchain Gaming, Quantum Computing, Digital Twins, Lidar
- Finance NFT, Decentralised Finance, Real Estate Crowdfunding, Banking as a Service
- Energy EV Charging infrastructure, Hydrogen Energy, Fusion Energy, Smart Grid, Carbon Capture

² We utilise PitchBook's categorisation of Emerging Spaces. PitchBook defines Emerging Spaces using a set of criteria developed by their in-house team.



- B2C Sustainable Fashion, Clean Meat, Auto Commerce, Smart Clothing, Air Taxis
- B2B AI in food tech, Small Satellites, Sports Tech, Sustainable Packaging, Virtual Events
- Healthcare Al powered Drug Discovery, Neurotechnology, Assistive Tech, Gene Therapies, Spatial Biology, Fertility Tech
- Materials & Resources Indoor Farming, Cellular Agriculture, Reforestation

12. Emerging Spaces

п		B2B	Energy
Generative AI 2628	Digital Twins 1063	AI in Food Bustinable Packaging Food Tech 911	Electric Vehicle Charging Charging Infrastructure 2306
Blockchain Gaming 983 972	RabidE Proces Advantation Advantation 510	Small Satellites 647	Hydrogen Energy 535 209 Hydrogen Energy 84 Hydrogen Battery 86 Hydrogen Weither 87 Hydrogen Statery 87 Hydrogen Statery 10 Hydrogen Statery 10 Hyd
Quantum Computing 222	Silicon Photonics	Sports Tech 380	Carbon Capture 324 Fution Energy
429	335 192	Sustainable Fashion Beater Works Peeter 635 Simart Cloth	Materials & Resources
Finance		Consults, Brownper 233	R Frances and and a second sec
NFT 3895	Decentralized Finance 1864	Auto Commerce 582 Clean Meat 378 Air Taxis 231	arrent Maria
		Healthcare	
	Real Class Creativiting Doctored by Banking AS a 3 Service 287	Al-powered Drug Discovery Discovery 577	ventre V3. Health 300
	Block-thair Real Estats Excellent 346 Estate 146 Estata	672 Gene Therapies 23	atial Biology

Source: PitchBook Data, Inc., HSBC

AI and Sustainability are among the cross-cutting themes attracting attention in VC universe

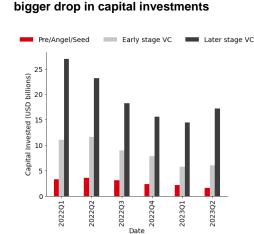


Late stage VC investments and exits

Late-stage VC investments are often more closely related to macro events than earlier stage investments. Late-stage start-ups are typically more established with products already in the market which makes them more sensitive to macroeconomic events that affect overall economic activity. Moreover, late-stage start-ups, which are perhaps eyeing an exit strategy such as an IPO, are also significantly influenced by macro events. Therefore, it's unsurprising that last year, amidst painful public market sell-offs late-stage VC investments experienced the most significant reduction in capital investment.

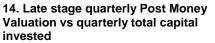
Late stage capital investment during Q4-2022 was down a staggering 51% YoY. 2023 has seen capital flows starting to increase in the Later stage projects again however it's still below 2021 and early 2022 levels (chart 13).

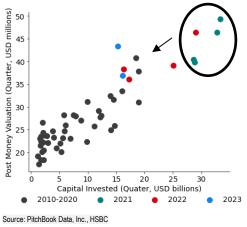
Chart 14 shows the relationship between capital invested and Post Money Valuation for each quarter since 2010. The green dots are the values for 2021, one for each quarter. 2021 saw huge capital inflows in later stage VCs which pushed valuations higher. We can see that 2022 and 2023 valuations (Red and Blue dots) have started to come closer to the values we have seen in the past (2010 to 2020, dark grey dots). As the abundance of low-cost capital available during 2021 becomes a thing of the past and the average valuation of VC start-ups start to decline, VC investors could potentially find attractive entry points to new investments.



Source: PitchBook Data, Inc., HSBC

13. Late stage VC Investments saw a





2022 also saw a significant decline in IPO activity: 2022 saw fewer "exits" and the end of the post-COVID-19 SPAC boom. In a similar manner to the HSBC VenT described earlier, we have created an ECM Capital Tracker (chart 15) to track IPO activity relative to normal levels.

We can see that, relative to the activity levels seen over the past two years, the recent level of IPO activity has been extremely low. Chart 16 shows the capital raised over time. We have estimated the end-of-2023 number³. It appears this year is tracking about 80% lower IPO activity than the peak of 2021, and 20% lower YoY.

³ We rescale the numbers from the first half of 2023 so as to estimate the end-of-year total for this year.

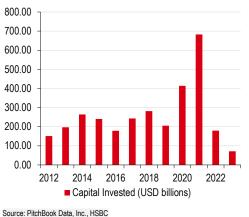
Capital invested in Late Stage VC backed companies has started increasing



IPO activity remains very low



16. Capital Invested through IPO



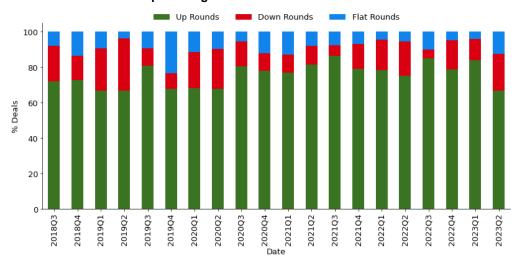
Financials leading the way in "Up Rounds"

Up, Down, Flat

Source: PitchBook Data, Inc., HSBC

With lower capital invested and depressed valuation multiples, VC-backed companies are not able to raise capital from VC investors at the same levels of 2021. Chart 17 shows the percentage of deals which were "Up" "Down", and "Flat" per quarter. Up Rounds refer to a company raising additional capital at a higher valuation than in its previous funding round, indicating positive growth and investor confidence. On the other hand, a Down Round occurs when a company raises capital at a lower valuation than in its previous funding round, perhaps signalling challenges or decreased investor confidence in a company's growth. A Flat Round occurs when a capital raise occurs at the same valuation as the previous funding round.

2022 saw a higher proportion of Down Rounds and a lower proportion of Up Rounds. The most recent quarter saw the proportion of Down Round deals increase by 8 percentage points and Up rounds decreased by 20 percentage points.



17. Down rounds are still prevailing

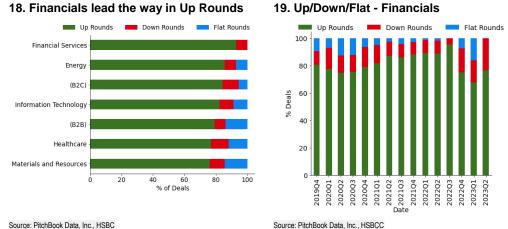
Source: PitchBook Data, Inc., HSBC



Financials Q2 2023 # Deals: 357 Capital Invested: USD3.29B **Post Money Valuation:** USD77.42M

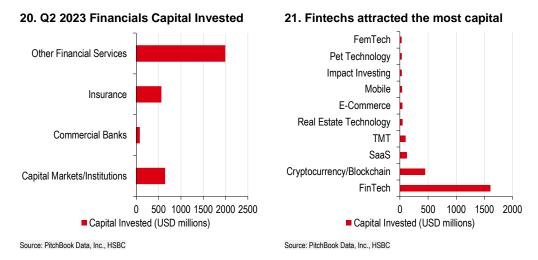
Financials lead the way in Up Rounds

Across different sectors, 2023 saw more Down Rounds. Nevertheless, the proportion of Up Rounds for Financials remain above other sectors in Q2-2023 (chart 18).



Source: PitchBook Data, Inc., HSBCC

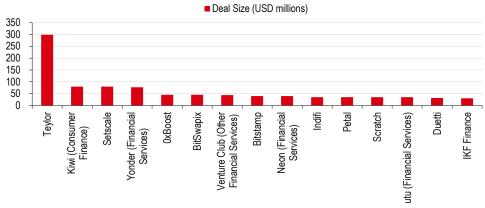
In 2Q23, there was almost USD3.29bn VC investment in the financials sector, with over a half of this in the "Other Financial Services" (these include disruptive tech like AI, cryptocurrencies, new fintechs, and B2B solutions) space and around about 20% in Insurance and Capital Markets/Institutions (chart 20). Chart 21 shows the industry verticals within Other Financial Services which received the biggest VC investments.



The largest fintech deal in 2Q 2023 was a USD299m fundraising for Teylor, which is a developer of an online lending platform intended to digitise credit processes to the benefit of banks and medium-sized borrowers. Further deals were each below cUSD80m for different fintech platforms which focused on consumer finance, cryptocurrency platforms as well as companies focused on applying technology solutions to individual product lines to improve products, services and risk sharing (chart 22).

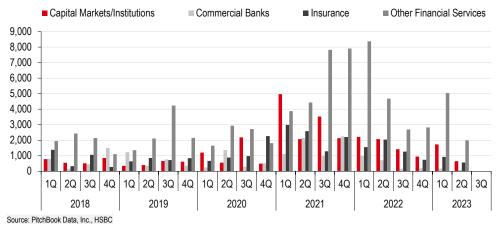


22. Biggest Fintech deals 2023 Q2



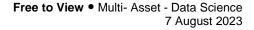
Source: PitchBook Data, Inc., HSBC

Over the longer-term, VC investments are more material in the capital markets and Other Financial Services sector while there are also a number of companies classified as AI technology companies developing services specifically for the financial services sector, which are not included above.

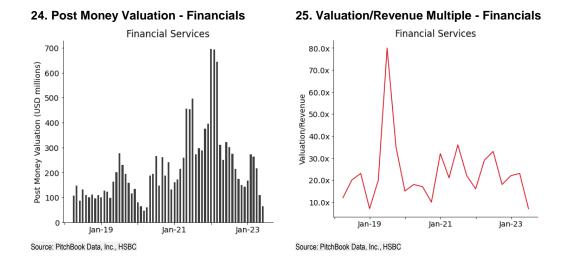


23. Financials - Capital Invested (USD millions)

In addition, chart 24 and 25 show the decline in post-money valuations and valuation multiples in the financial services VC space since Q2 2022; while the Price-to-Revenue multiple of established and listed fintechs re-rated over the same period (with only a few exceptions).







This is a Free to View version of a report with the same title published on 7-Aug-23. Please contact your HSBC representative or email <u>AskResearch@hsbc.com</u> for more information.

The full report discusses the Information Technology, Healthcare and Energy sectors in turn and provides an overview of some of the key metrics for VC investments for 2023 Q2. Additionally, it looks at what individual companies received the biggest VC funding.



Disclosure appendix

The following analyst(s), who is(are) primarily responsible for this document, certifies(y) that the opinion(s), views or forecasts expressed herein 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: Shiva Joon, Mark McDonald, Kailesh Mistry, CFA, Max Kettner, CFA, Duncan Toms, CFA, Chris Attfield and Charlotte Ong

This document has been issued by the Research Department of HSBC.

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 <u>www.hsbcnet.com/research</u>.

Additional disclosures

- 1 This report is dated as at 07 August 2023.
- 2 All market data included in this report are dated as at close 04 August 2023, 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.



Disclaimer

Issuer of report HSBC Bank plc

This document has been issued by HSBC Bank plc, which has based this document on information obtained from sources it believes to be reliable but which it has not independently verified. Neither HSBC Bank plc nor any member of its group companies ("HSBC") make any guarantee, representation or warranty nor accept any responsibility or liability as to the accuracy or completeness of this document and is not responsible for errors of transmission of factual or analytical data, nor is HSBC liable for damages arising out of any person's reliance on this information. The information and opinions contained within the report are based upon publicly available information at the time of publication, represent the present judgment of HSBC and are subject to change without notice.

This document is not and should not be construed as an offer to sell or solicitation of an offer to purchase or subscribe for any investment or other investment products mentioned in it and/or to participate in any trading strategy. It does not constitute a prospectus or other offering document. Information 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 it, consider the appropriateness of the information, having regard to their objectives, financial situation and needs. If necessary, seek professional investment and tax advice.

The decision and responsibility on whether or not to purchase, subscribe or sell (as applicable) must be taken by the investor. In no event will any member of the HSBC group be liable to the recipient for any direct or indirect or any other damages of any kind arising from or in connection with reliance on any information and materials herein.

Past performance is not necessarily a guide to future performance. The value of any investment or income may go down as well as up and you may not get back the full amount invested. Where an investment is denominated in a currency other than the local currency of the recipient of the research report, changes in the exchange rates may have an adverse effect on the value, price or income of that investment. In case of investments for which there is no recognised market it may be difficult for investors to sell their investments or to obtain reliable information about its value or the extent of the risk to which it is exposed. Some of the statements contained in this document may be considered forward looking statements which provide current expectations or forecasts of future events. Such forward looking statements are not guarantees of future performance or events and involve risks and uncertainties. Actual results may differ materially from those described in such forward-looking statements as a result of various factors.

This document is for information purposes only and may not be redistributed or passed on, directly or indirectly, to any other person, in whole or in part, for any purpose. The distribution of this document in other jurisdictions may be restricted by law, and persons into whose possession this document comes should inform themselves about, and observe, any such restrictions. By accepting this report, you agree to be bound by the foregoing instructions. If this report 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. The document is intended to be distributed in its entirety. Unless governing law permits otherwise, you must contact a HSBC Group member in your home jurisdiction if you wish to use HSBC Group services in effecting a transaction in any investment mentioned in this document.

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.

HSBC and/or its officers, directors and employees may have positions in any securities in companies mentioned in this document. HSBC may act as market maker or may have assumed an underwriting commitment in the securities of companies discussed in this document (or in related investments), may sell or buy securities and may also perform or seek to perform investment banking or underwriting services for or relating to those companies and may also be represented on the supervisory board or any other committee of those companies.

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.

HSBC Bank plc is registered in England No 14259, is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority and is a member of the London Stock Exchange. (070905)

© Copyright 2023, HSBC Bank plc, 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 insert issuing entity name. MCI (P) 017/01/2023, MCI (P) 027/10/2022

[1218862]